State of New Mexico
Energy Minerals and Natural Resources
Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
Revised October 11, 2022

Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

Type of action:
- ☐ Below grade tank registration
- ☐ Permit of a pit or proposed alternative method
- ☑ Closure of a pit, below-grade tank, or proposed alternative method
- ☐ Modification to an existing permit/or registration
- ☐ Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.
Operator: Wapiti Operating, LLC OGRID #: 328741
Address: 1251 Lumpkin Rd., Houston TX 77043
Facility or well name: VPR D-312
API Number: 30-007-20997 OCD Permit Number:
U/L or Qtr/Qtr B Section 5 Township 30N Range 18E County: Colfax
Center of Proposed Design: Latitude 36.87019 Longitude 105.05105 NAD83
Surface Owner: ☐ Federal ☑ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.
☑ **Pit:** Subsection F, G or J of 19.15.17.11 NMAC
Temporary: ☑ Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☑ yes ☐ no
☑ Lined ☐ Unlined Liner type: Thickness 20 mil ☑ LLDPE ☐ HDPE ☐ PVC ☐ Other
☐ String-Reinforced
Liner Seams: ☑ Welded ☑ Factory ☐ Other Volume: 1709 bbl Dimensions: L 40' x W 30' x D 8'

3.
☐ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC
Volume: bbl Type of fluid:
Tank Construction material:
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other
Liner type: Thickness mil ☐ HDPE ☐ PVC ☐ Other

4.
☐ **Alternative Method:**
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

5.
Fencing: Subsection D of 19.15.17.11 NMAC *(Applies to permanent pits, temporary pits, and below-grade tanks)*
☐ Chain link, six feet in height, two strands of barbed wire at top *(Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)*
☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet
☐ Alternate. Please specify

6.
Netting: Subsection E of 19.15.17.11 NMAC *(Applies to permanent pits and permanent open top tanks)*

☐ Screen ☐ Netting ☐ Other_____

☐ Monthly inspections (If netting or screening is not physically feasible)

7.
Signs: Subsection C of 19.15.17.11 NMAC

☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

☐ Signed in compliance with 19.15.16.8 NMAC

8.
Variances and Exceptions:

Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

Please check a box if one or more of the following is requested, if not leave blank:

☐ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.

☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

9.
Siting Criteria (regarding permitting): 19.15.17.10 NMAC

Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. **Siting criteria does not apply to drying pads or above-grade tanks.**

General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - ☐ NM Office of the State Engineer - iWATERS database search; ☐ USGS; ☐ Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit . NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. **(Does not apply to below grade tanks)** - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. **(Does not apply to below grade tanks)** - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. **(Does not apply to below grade tanks)** - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain. **(Does not apply to below grade tanks)** - FEMA map	☐ Yes ☐ No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption:. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

10.
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

11.
Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ A List of wells with approved application for permit to drill associated with the pit.
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
☐ Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

12.
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Climatological Factors Assessment
- ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Quality Control/Quality Assurance Construction and Installation Plan
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Nuisance or Hazardous Odors, including H_2S, Prevention Plan
- ☐ Emergency Response Plan
- ☐ Oil Field Waste Stream Characterization
- ☐ Monitoring and Inspection Plan
- ☐ Erosion Control Plan
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

13.
Proposed Closure: 19.15.17.13 NMAC
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.

Type: ☐ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☐ Below-grade Tank ☐ Multi-well Fluid Management Pit ☐ Alternative

Proposed Closure Method: ☐ Waste Excavation and Removal
☐ Waste Removal (Closed-loop systems only)
☐ On-site Closure Method (Only for temporary pits and closed-loop systems)
☐ In-place Burial ☐ On-site Trench Burial
☐ Alternative Closure Method

14.
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC
- ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- ☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

15.
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC
Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map: Topographic map: Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	

adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design: NM Bureau of Geology & Mineral Resources: USGS: NM Geological Society: Topographic map	☐ Yes ☐ No
Within a 100-year floodplain. - FEMA map	☐ Yes ☐ No

16.
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC
- ☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.11 NMAC
- ☐ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
- ☐ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

17.
Operator Application Certification:

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

18.
OCD Approval: ☐ Permit Application (including closure plan) ☐ Closure Plan (only) ☐ OCD Conditions (see attachment)

OCD Representative Signature: _____ **Approval Date**: _____

Title: _____ **OCD Permit Number**: _____

19.
Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC

Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☑ **Closure Completion Date: 12/24/24**

20.
Closure Method:

☐ Waste Excavation and Removal ☑ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)
☐ If different from approved plan, please explain.

21.
Closure Report Attachment Checklist: ***Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.***

- ☑ Proof of Closure Notice (surface owner and division)
- ☑ Proof of Deed Notice (required for on-site closure for private land only)
- ☑ Plot Plan (for on-site closures and temporary pits)
- ☐ Confirmation Sampling Analytical Results (if applicable)
- ☑ Waste Material Sampling Analytical Results (required for on-site closure)
- ☐ Disposal Facility Name and Permit Number
- ☑ Soil Backfilling and Cover Installation
- ☑ Re-vegetation Application Rates and Seeding Technique
- ☑ Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude 36.87019 Longitude 105.05105 NAD: 1927 ☒ 1983 ☑

22.
Operator Closure Certification:

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): Randy L. Madison Title: HSE & Regulatory Specialist, Sr.

Signature: Randy L Madison Date: 6/3/25

e-mail address: rmadison@wapitienergy.com Telephone: 1-575-445-6706

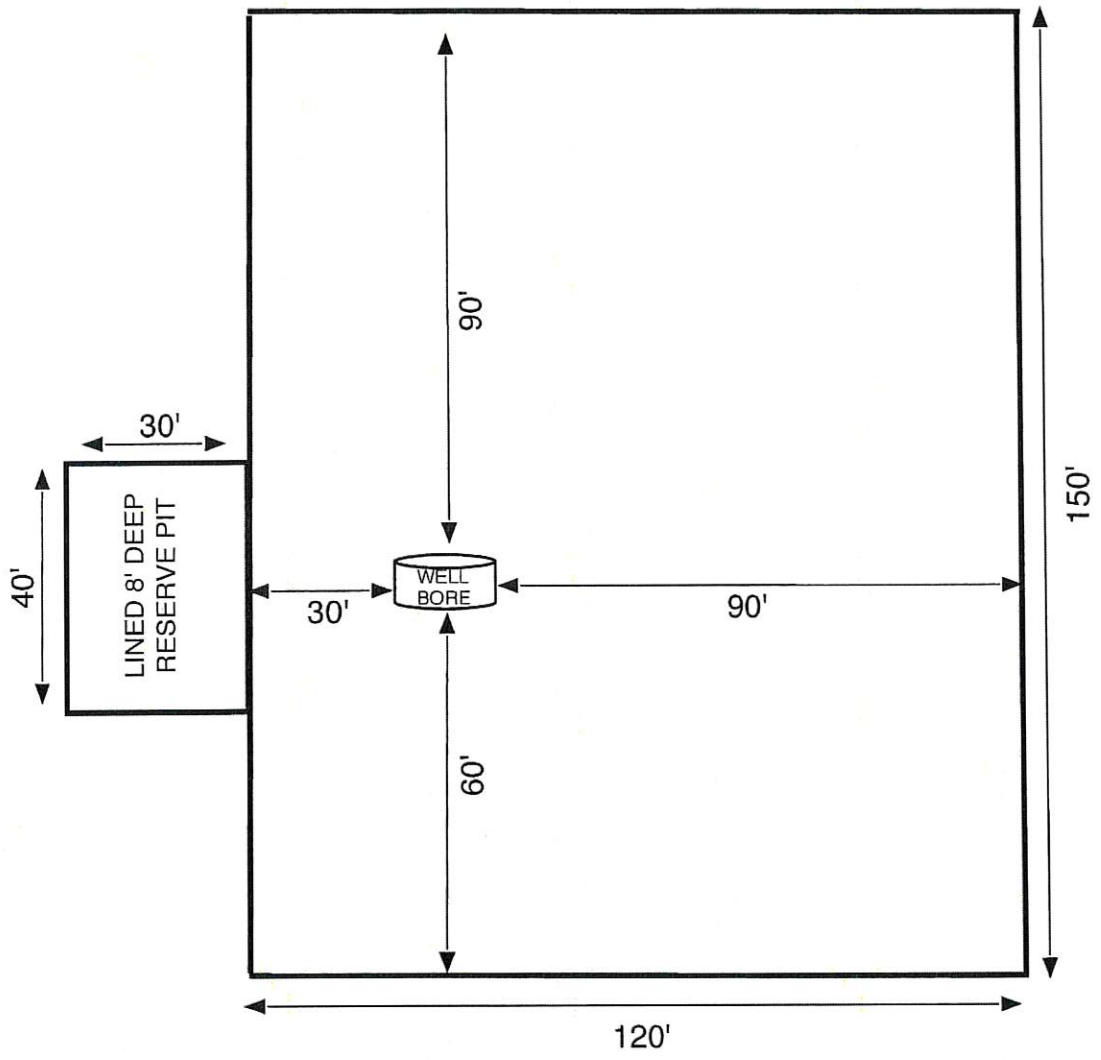
TOPO! map printed on 06/15/23 from "Untitled.tpo"

NATIONAL GEOGRAPHIC

0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 miles
0.0 0.5 1.0 km

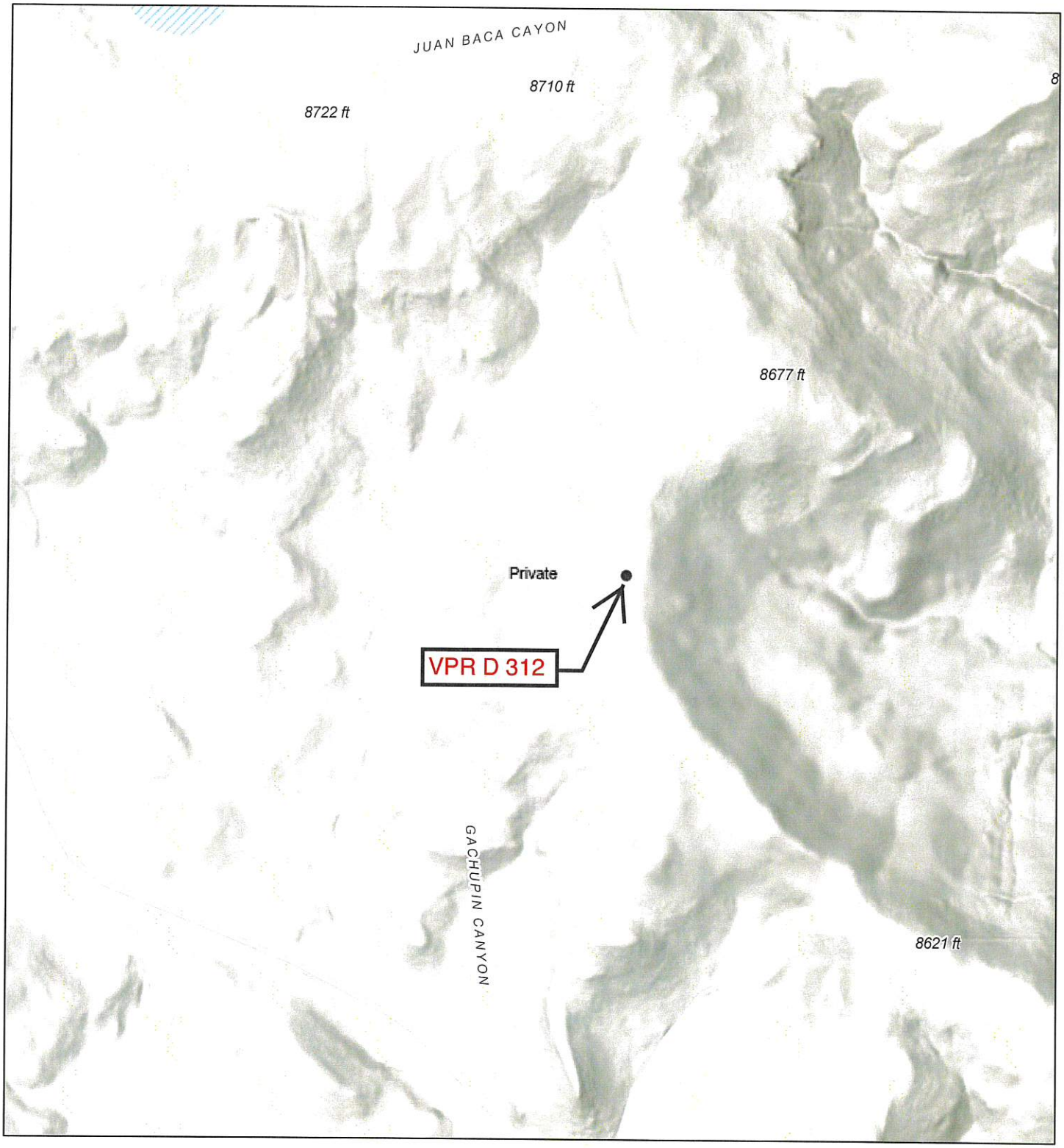
TN ★ MN
7°
06/15/23

Wapiti Operating, LLC
typical VPR pad & reserve pit
1" = 30'



PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS

VPR D 312



6/15/2023, 11:07:36 AM

Land Ownership

P

1:9,028

0 0.05 0.1 0.2 mi

0 0.07 0.15 0.3 km

U.S. BLM, Esri, NASA, NGA, USGS, FEMA, Esri Community Maps Contributors, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, BLM

Wapiti Operating, LLC
Pit Closure Plan

In accordance with Rule 19.15.17.12 NMAC, the following information describes the closure requirements of temporary pits on locations. This is Wapiti Operating, LLC's (Wapiti) standard procedure for all temporary pits. A separate plan will be submitted for any temporary pit which does not conform to this plan.

All closure activities will include proper documentation and be available for review upon request and will be submitted to NMOCD within 60 days of pit closure. Closure report will be filed on C-144 and incorporate the following:

- Details on Capping and Covering, where applicable
- Plot Plan (Pit Diagram)
- Inspection Reports
- Sampling Results

General Plan

1. Free standing liquids will be removed as soon as practical for recycle use in the drilling of other wells. Any free-standing liquids that are not recycled will be removed prior to pit closure and disposed of in a division approved facility or recycle, reuse or reclaim the liquids in a manner the appropriate division district office approves. Pit solids will be allowed to air dry as completely as possible prior to starting pit closing activities.
2. The preferred method of closure for all temporary pits will be on-site burial, assuming that all the criteria listed in sub-section (8) of 19.15.17.13 are met.
3. The surface owner will be notified of Wapiti's proposed closure plan using a means that provides proof of notice (i.e., certified mail, return receipt requested).
4. Within 6 months of the Rig Off status occurring, Wapiti will ensure that temporary pits are closed, re-contoured.
5. Notice of Closure will be given to the Santa Fe Division office between 72 hours and one week of closure, via email, or verbally. The notification of closure will include the following:
    - Operator's Name
    - Location by Section, Township, Range, Well Name and API Number
6. Liner of temporary pit shall be removed above "mud level" after stabilization. Removal of liner will consist of manually or mechanically cutting liner at mud level and removing all remaining liner. Care will be taken to remove "All" of the liner (i.e., edges of liner entrenched or buried). All excessive liner will be disposed of at a licensed disposal facility.
7. Pit contents shall be tested prior to mixing of any soils. Test results will be compared to NMOCD limits. If the test results are within the NMOCD limits, then no soil will be mixed with the pit contents. If the sample results exceed the NMOCD limits, thne the contents will be mixed with non-waste containing, earthen material in order to achieve the solidification process. The mixing ratio

Wapiti Operating, LLC
Pit Closure Plan Cont'd

will not exceed 3 parts clean soil to 1 part pit contents. The mixed contents will then be re-tested and the results will be compared to the NMOCD limits.

8. A 5-point composite sample will be taken of the pit using sampling tools and all samples tested per subsection B of 19.15.17.13(8)(1)(b). In the event that the criteria are not met, all contents will be handled per Subparagraph (a) of Paragraph (1) of Subsection B of 19.15.17.13 (i.e. dig, haul).

Composite	Tests Method	Limit (mg/kg)
Benzene	EPA SW-846 8021B or 8260B	10.0
BTEX	EPA SW-846 8021B or 8260B	50
TPH	EPA SW-846 418 1	2500
GRO/DRO	EPA SW-846 8015M	500
Chlorides	EPA 300 1	1000

9. Upon completion of testing, the pit area will be backfilled with compacted, non-waste containing, earthen material. A minimum of 4-feet of cover will be achieved. The cover will include 1-foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.
10. Re-contouring of location will match fit, shape, line, form, and texture of the surrounding as closely as possible. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainage will be unimpeded and water bars and/or silt traps will be placed in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.
11. Notification will be sent to NMOCD when the reclaimed area is seeded.
12. Wapiti will seed the disturbed areas upon abandonment of the pit and well site. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. Vegetation cover will be as per Vermejo Ranch requirements.
13. The temporary pit will be located with a steel marker, no less than 4-inches in diameter, cemented in a hole 3-feet deep in the center of the onsite burial upon the abandonment of all the wells on the pad. The marker will be flush with the ground to allow access of the active well pad and for safety concerns. The marker will include a threaded collar to be used for future abandonment. The top of the marker will contain a welded steel 12" square plate that indicates the onsite burial of the temporary pit. The plate will be easily removable and a 4-foot tall riser will be threaded into the top of the collar marker and welded around the base with the operator's information at the time of all wells on the pad are abandoned. The operator's information will include the following
    - Operator Name, Lease Name, Well Name and number, Section, Township, Range, and an indicator that the marker is an onsite burial location.

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 263527

CONDITIONS

Operator: Wapiti Operating, LLC 1251 Lumpkin Rd Houston, TX 77043	OGRID: 328741
	Action Number: 263527
	Action Type: [C-144] Temporary Pit Plan (C-144T)

CONDITIONS

Created By	Condition	Condition Date
vvenegas	NMOCD has reviewed and approved [328741] Wapiti Operating, LLC's, Application and Form C-144 received on 09/10/2023, for the proposed 30-007-20995 VPR A #585 TEMPORARY PIT NON-LOW CHLORIDE FLUIDS in J-28-32N-20E, Colfax County, New Mexico. Wapiti will comply with the conditions of approval. [328741] Wapiti Operating, LLC shall design, construct, operate, maintain, and close 30-007-20995 VPR A #585 TEMPORARY PIT NON-LOW CHLORIDE FLUIDS in compliance with 19.15.17 NMAC. [328741] Wapiti shall construct and operate the temporary pit in a safe manner to prevent contamination of fresh water and protect public health and the environment.	9/15/2023

State of New Mexico
Energy Minerals and Natural Resources
Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
Revised October 11, 2022

Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

Type of action:
- ☐ Below grade tank registration
- ☐ Permit of a pit or proposed alternative method
- ☑ Closure of a pit, below-grade tank, or proposed alternative method
- ☐ Modification to an existing permit/or registration
- ☐ Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.
Operator: Wapiti Operating, LLC OGRID #: 328741
Address: 1251 Lumpkin Rd., Houston TX 77043
Facility or well name: VPR D-312
API Number: 30-007-20997 OCD Permit Number:
U/L or Qtr/Qtr B Section 5 Township 30N Range 18E County: Colfax
Center of Proposed Design: Latitude 36.87019 Longitude 105.05105 NAD83
Surface Owner: ☐ Federal ☑ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.
☑ **Pit:** Subsection F, G or J of 19.15.17.11 NMAC
Temporary: ☑ Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☑ yes ☐ no
☑ Lined ☐ Unlined Liner type: Thickness 20 mil ☑ LLDPE ☐ HDPE ☐ PVC ☐ Other
☐ String-Reinforced
Liner Seams: ☑ Welded ☑ Factory ☐ Other Volume: 1709 bbl Dimensions: L 40' x W 30' x D 8'

3.
☐ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC
Volume: bbl Type of fluid:
Tank Construction material:
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other
Liner type: Thickness mil ☐ HDPE ☐ PVC ☐ Other

4.
☐ **Alternative Method:**
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

5.
Fencing: Subsection D of 19.15.17.11 NMAC *(Applies to permanent pits, temporary pits, and below-grade tanks)*
☐ Chain link, six feet in height, two strands of barbed wire at top *(Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)*
☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet
☐ Alternate. Please specify

6.
Netting: Subsection E of 19.15.17.11 NMAC *(Applies to permanent pits and permanent open top tanks)*

☐ Screen ☐ Netting ☐ Other_____

☐ Monthly inspections (If netting or screening is not physically feasible)

7.
Signs: Subsection C of 19.15.17.11 NMAC

☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

☐ Signed in compliance with 19.15.16.8 NMAC

8.
Variances and Exceptions:

Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

Please check a box if one or more of the following is requested, if not leave blank:

☐ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.

☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

9.
Siting Criteria (regarding permitting): 19.15.17.10 NMAC

Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. **Siting criteria does not apply to drying pads or above-grade tanks.**

General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - ☐ NM Office of the State Engineer - iWATERS database search; ☐ USGS; ☐ Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit . NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. **(Does not apply to below grade tanks)** - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. **(Does not apply to below grade tanks)** - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. **(Does not apply to below grade tanks)** - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain. **(Does not apply to below grade tanks)** - FEMA map	☐ Yes ☐ No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption:. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter) Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

10.
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

11.
Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ A List of wells with approved application for permit to drill associated with the pit.
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
☐ Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

12.
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Climatological Factors Assessment
- ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Quality Control/Quality Assurance Construction and Installation Plan
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Nuisance or Hazardous Odors, including H_2S, Prevention Plan
- ☐ Emergency Response Plan
- ☐ Oil Field Waste Stream Characterization
- ☐ Monitoring and Inspection Plan
- ☐ Erosion Control Plan
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

13.
Proposed Closure: 19.15.17.13 NMAC
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.

Type: ☐ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☐ Below-grade Tank ☐ Multi-well Fluid Management Pit ☐ Alternative

Proposed Closure Method: ☐ Waste Excavation and Removal
☐ Waste Removal (Closed-loop systems only)
☐ On-site Closure Method (Only for temporary pits and closed-loop systems)
☐ In-place Burial ☐ On-site Trench Burial
☐ Alternative Closure Method

14.
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC
- ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- ☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

15.
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC
Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map: Topographic map: Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	

adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design: NM Bureau of Geology & Mineral Resources: USGS: NM Geological Society: Topographic map	☐ Yes ☐ No
Within a 100-year floodplain. - FEMA map	☐ Yes ☐ No

16.
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC
- ☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.11 NMAC
- ☐ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
- ☐ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

17.
Operator Application Certification:

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

18.
OCD Approval: ☐ Permit Application (including closure plan) ☐ Closure Plan (only) ☐ OCD Conditions (see attachment)

OCD Representative Signature: _____ **Approval Date**: _____

Title: _____ **OCD Permit Number**: _____

19.
Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC

Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☑ **Closure Completion Date: 12/24/24**

20.
Closure Method:

☐ Waste Excavation and Removal ☑ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)
☐ If different from approved plan, please explain.

21.
Closure Report Attachment Checklist: ***Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.***

- ☑ Proof of Closure Notice (surface owner and division)
- ☑ Proof of Deed Notice (required for on-site closure for private land only)
- ☑ Plot Plan (for on-site closures and temporary pits)
- ☐ Confirmation Sampling Analytical Results (if applicable)
- ☑ Waste Material Sampling Analytical Results (required for on-site closure)
- ☐ Disposal Facility Name and Permit Number
- ☑ Soil Backfilling and Cover Installation
- ☑ Re-vegetation Application Rates and Seeding Technique
- ☑ Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude 36.87019 Longitude 105.05105 NAD: 1927 ☒ 1983 ☑

22.
Operator Closure Certification:

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): Randy L. Madison Title: HSE & Regulatory Specialist, Sr.

Signature: Randy L Madison Date: 6/3/25

e-mail address: rmadison@wapitienergy.com Telephone: 1-575-445-6706

WAPITI OPERATING LLC

June 3, 2025

TO: State of NM Oil Conservation Division
1220 S. St. Frances Dr.
Santa Fe, NM 87505

FR: Randy L. Madison, HSE & Reg. Specialist, Sr.

REF: Final Pit Closure report on VPR D-312, API# 30-007-20997

To Whom it May Concern,

Wapiti Operating, LLC is submitting this final report for closure of a Temporary Pit. Please find all the required documents included in the submittal. All the requirements stated in the Pit Closure Plan have been met. See supporting Documentation.

If any additional information is need, please reach out to me at 1-575-445-6706 or by email at rmadison@wapitienergy.com

Sincerely,

Randy L. Madison

9589 0710 5270 0644 8067 68

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- ☐ Adult Signature Required $
- ☐ Adult Signature Restricted Delivery $

Postage
$

Total Postage and Fees

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NOV - 4 2024

FINANCE #4

Vermejo Park Ranch
Attn: Gus Holm
PO Box Drawer E
Raton NM 87740

Pit Closure

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 0644 8067 68

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Extra Services & Fees *(check box, add fee as appropriate)*
- ☐ Return Receipt (hardcopy) $
- ☐ Return Receipt (electronic) $
- ☐ Certified Mail Restricted Delivery $
- ☐ Adult Signature Required $
- ☐ Adult Signature Restricted Delivery $

Postage
$

Total Postage and Fees

NOV – 4 2024
Postmark Here

Vermejo Park Ranch
Attn: Gus Holm
PO Box Drawer E
Raton NM 87740

Pit Closure

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

WAPITI OPERATING LLC

November 4, 2024

Vermejo Park Ranch
ATTN: Gus Holm
P.O. Box Drawer E
Raton, NM 87740

Dear Mr. Holm,

I am writing this letter to inform you that we will begin the drilling pit closure operations on the following wells:

VPR A-611 (API #: 30-007-20994, STR 29-31N-21E)
VPR A-585 (API #: 30-007-20995, STR 28-32N-20E)
VPR B-344 (API #: 30-007-20996, STR 7-29N-19E)
VPR D-312 (API #: 30-007-20997, STR 5-30N-18E)

Each pit will take two days to fully close. Attached is the general pit closure plan that we will follow for each well. If you should have any questions, please feel free to contact me at (713) 365-8506.

Sincerely,

Ed Skrljac
Raton Operations Manager

Outlook

FW: Pit clsoures

From Ed Skrljac <ESkrljac@wapitienergy.com>
Date Mon 1/27/2025 11:42 AM
To Randy Madison <RMadison@WapitiEnergy.com>

Thanks,

Ed Skrljac
Wapiti Energy
O: (713) 365-8506
C: (281) 635-0215
eskrljac@wapitienergy.com

From: Ed Skrljac
Sent: Monday, December 9, 2024 8:40 AM
To: Venegas, Victoria, EMNRD <Victoria.Venegas@emnrd.nm.gov>
Subject: Pit clsoures

Victoria, we have confirmation of the certified letter sent to the landowner (Vermejo Park Ranch). We will begin pit closure operations this week. We were attempting to start earlier but the snowfall set us back.

We will start with the VPR B-344 first then D-312, A-585 and A-611 in that order.

Thanks,

Ed Skrljac
Wapiti Energy
O: (713) 365-8506
C: (281) 635-0215
eskrljac@wapitienergy.com

From: Ed Skrljac
Sent: Monday, November 4, 2024 9:50 AM
To: Venegas, Victoria, EMNRD <Victoria.Venegas@emnrd.nm.gov>
Subject: pit sample results

Victoria, wanted to send you a copy of the pit sample results for the following pits we plan on closing as soon as we get the land owner notification squared away. The wells we sampled are as follows:

VPR A-611 (API #: 30-007-20994, STR 29-31N-21E)
VPR A-585 (API #: 30-007-20995, STR 28-32N-20E)
VPR B-344 (API #: 30-007-20996, STR 7-29N-19E)
VPR D-312 (API #: 30-007-20997, STR 5-30N-18E)

Thanks,

Ed Skrljac

From: Ed Skrljac
Sent: Monday, December 9, 2024 8:40 AM
To: Venegas, Victoria, EMNRD <Victoria.Venegas@emnrd.nm.gov>
Subject: Pit clsoures

Victoria, we have confirmation of the certified letter sent to the landowner (Vermejo Park Ranch). We will begin pit closure operations this week. We were attempting to start earlier but the snowfall set us back.

We will start with the VPR B-344 first then D-312, A-585 and A-611 in that order.

Thanks,

Ed Skrljac
Wapiti Energy
O: (713) 365-8506
C: (281) 635-0215
eskrljac@wapitienergy.com

Organization	Reporting Organization
	4491
Sample	COGCC Facility No.
	Sample B-344
Batch	LabID
	126
Result	CAS Number
	%Moist
	10-02-6
QC	Lab QC ID
Batch	LabID
	126
Result	CAS Number
	71-43-2
	100-41-4
	179601-23-1
	95-47-6
	108-88-3
	1330-20-7
QC	Lab QC ID
	LCS 280-669836/2-A
	LCS 280-669836/2-A
	LCS 280-669836/2-A
	LCS 280-669836/2-A
	LCS 280-669836/2-A
	LCS 280-669836/2-A
	LCS 280-669836/2-A
	LCS 280-669836/2-A
	LCS 280-669836/2-A
	LCS 280-669836/2-A
	LCSD 280-669836/3-A
	LCSD 280-669836/3-A
	LCSD 280-669836/3-A
	LCSD 280-669836/3-A
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	MB 280-669836/1-A
	MB 280-669836/1-A
	MB 280-669836/1-A
	MB 280-669836/1-A
	MB 280-669836/1-A
	MB 280-669836/1-A
Batch	LabID
	126
Result	CAS Number
	68334-30-5
QC	Lab QC ID
	LCS 280-669596/2-A
	LCS 280-669596/2-A
	MB 280-669596/1-A
	MB 280-669596/1-A
	280-197430-1 MS
	280-197430-1 MS
	280-197430-1 MSD
	280-197430-1 MSD
Batch	LabID
	126
Result	CAS Number
	TEPH-MRO
QC	Lab QC ID
	LCS 280-669596/3-A
	LCS 280-669596/3-A
	MB 280-669596/1-A
	MB 280-669596/1-A

	280-197430-1 MS
	280-197430-1 MS
	280-197430-1 MSD
	280-197430-1 MSD
Batch	LabID
	126
Result	CAS Number
	16887-00-6
QC	Lab QC ID
	280-197430-2 DU
	LCS 280-670194/1-A
	LCSD 280-670194/2-A
	MB 280-670194/3-A
	280-197430-2 MS
	280-197430-2 MSD
Batch	LabID
	126
Result	CAS Number
	8006-61-9
QC	Lab QC ID
	LCS 280-670982/1-A
	LCS 280-670982/1-A
	LCSD 280-670982/2-A
	LCSD 280-670982/2-A
	MB 280-670982/3-A
	MB 280-670982/3-A
Sample	COGCC Facility No.
	Sample D-312
Batch	LabID
	126
Result	CAS Number
	%Moist
	10-02-6

QC	Lab QC ID
Batch	LabID
	126
Result	CAS Number
	71-43-2
	100-41-4
	179601-23-1
	95-47-6
	108-88-3
	1330-20-7
QC	Lab QC ID
	LCS 280-669836/2-A
	LCS 280-669836/2-A
	LCS 280-669836/2-A
	LCS 280-669836/2-A
	LCS 280-669836/2-A
	LCS 280-669836/2-A
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	LCS 280-669836/2-A
	LCS 280-669836/2-A
	LCS 280-669836/2-A
	LCSD 280-669836/3-A
	LCSD 280-669836/3-A
	LCSD 280-669836/3-A
	LCSD 280-669836/3-A
	LCSD 280-669836/3-A
	LCSD 280-669836/3-A
	LCSD 280-669836/3-A
	LCSD 280-669836/3-A
	LCSD 280-669836/3-A
	MB 280-669836/1-A
	MB 280-669836/1-A
	MB 280-669836/1-A
	MB 280-669836/1-A
	MB 280-669836/1-A
	MB 280-669836/1-A
	MB 280-669836/1-A

	MB 280-669836/1-A
	MB 280-669836/1-A
	MB 280-669836/1-A
Batch	LabID
	126
Result	CAS Number
	68334-30-5
QC	Lab QC ID
	LCS 280-669596/2-A
	LCS 280-669596/2-A
	MB 280-669596/1-A
	MB 280-669596/1-A
	280-197430-1 MS
	280-197430-1 MS
	280-197430-1 MSD
	280-197430-1 MSD
Batch	LabID
	126
Result	CAS Number
	TEPH-MRO
QC	Lab QC ID
	LCS 280-669596/3-A
	LCS 280-669596/3-A
	MB 280-669596/1-A
	MB 280-669596/1-A
	280-197430-1 MS
	280-197430-1 MS
	280-197430-1 MSD
	280-197430-1 MSD
Batch	LabID
	126
Result	CAS Number
	16887-00-6

QC	Lab QC ID
	280-197430-2 DU *LCS 280-670194/1-A* *LCSD 280-670194/2-A* *MB 280-670194/3-A* *280-197430-2 MS* *280-197430-2 MSD*
Batch	LabID
	126
Result	CAS Number
	8006-61-9
QC	Lab QC ID
	LCS 280-670982/1-A *LCS 280-670982/1-A* *LCSD 280-670982/2-A* *LCSD 280-670982/2-A* *MB 280-670982/3-A* *MB 280-670982/3-A*
Sample	COGCC Facility No.
	Sample A-585
Batch	LabID
	126
Result	CAS Number
	%Moist *10-02-6*
QC	Lab QC ID
Batch	LabID
	126
Result	CAS Number
	71-43-2 *100-41-4* *179601-23-1* *95-47-6*

	108-88-3
	1330-20-7
QC	Lab QC ID
	LCS 280-669836/2-A
	LCS 280-669836/2-A
	LCS 280-669836/2-A
	LCS 280-669836/2-A
	LCS 280-669836/2-A
	LCS 280-669836/2-A
	LCS 280-669836/2-A
	LCS 280-669836/2-A
	LCS 280-669836/2-A
	LCS 280-669836/2-A
	LCSD 280-669836/3-A
	LCSD 280-669836/3-A
	LCSD 280-669836/3-A
	LCSD 280-669836/3-A
	LCSD 280-669836/3-A
	LCSD 280-669836/3-A
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	LCSD 280-669836/3-A
	LCSD 280-669836/3-A
	MB 280-669836/1-A
	MB 280-669836/1-A
	MB 280-669836/1-A
	MB 280-669836/1-A
	MB 280-669836/1-A
	MB 280-669836/1-A
	MB 280-669836/1-A
	MB 280-669836/1-A
	MB 280-669836/1-A
	MB 280-669836/1-A
Batch	LabID
	126
Result	CAS Number
	68334-30-5
QC	Lab QC ID

	LCS 280-669596/2-A
	LCS 280-669596/2-A
	MB 280-669596/1-A
	MB 280-669596/1-A
	280-197430-1 MS
	280-197430-1 MS
	280-197430-1 MSD
	280-197430-1 MSD
Batch	LabID
	126
Result	CAS Number
	TEPH-MRO
QC	Lab QC ID
	LCS 280-669596/3-A
	LCS 280-669596/3-A
	MB 280-669596/1-A
	MB 280-669596/1-A
	280-197430-1 MS
	280-197430-1 MS
	280-197430-1 MSD
	280-197430-1 MSD
Batch	LabID
	126
Result	CAS Number
	16887-00-6
QC	Lab QC ID
	280-197430-2 DU
	LCS 280-670194/1-A
	LCSD 280-670194/2-A
	MB 280-670194/3-A
	280-197430-2 MS
	280-197430-2 MSD
Batch	LabID
	126

Result	CAS Number
	8006-61-9
QC	Lab QC ID
	LCS 280-670982/1-A *LCS 280-670982/1-A* *LCSD 280-670982/2-A* *LCSD 280-670982/2-A* *MB 280-670982/3-A* *MB 280-670982/3-A*
Sample	COGCC Facility No.
	Sample A-611
Batch	LabID
	126
Result	CAS Number
	%Moist *10-02-6*
QC	Lab QC ID
Batch	LabID
	126
Result	CAS Number
	68334-30-5
QC	Lab QC ID
	LCS 280-669596/2-A *LCS 280-669596/2-A* *MB 280-669596/1-A* *MB 280-669596/1-A* *280-197430-1 MS* *280-197430-1 MS* *280-197430-1 MSD* *280-197430-1 MSD*
Batch	LabID
	126

Result	CAS Number
	TEPH-MRO
QC	Lab QC ID
	LCS 280-669596/3-A
	LCS 280-669596/3-A
	MB 280-669596/1-A
	MB 280-669596/1-A
	280-197430-1 MS
	280-197430-1 MS
	280-197430-1 MSD
	280-197430-1 MSD
Batch	LabID
	126
Result	CAS Number
	71-43-2
	100-41-4
	179601-23-1
	95-47-6
	108-88-3
	1330-20-7
QC	Lab QC ID
	LCS 280-670146/2-A
	LCS 280-670146/2-A
	LCS 280-670146/2-A
	LCS 280-670146/2-A
	LCS 280-670146/2-A
	LCS 280-670146/2-A
	LCS 280-670146/2-A
	LCS 280-670146/2-A
	LCS 280-670146/2-A
	LCS 280-670146/2-A
	LCS 280-670146/2-A
	LCSD 280-670146/3-A
	LCSD 280-670146/3-A
	LCSD 280-670146/3-A
	LCSD 280-670146/3-A
	LCSD 280-670146/3-A
	LCSD 280-670146/3-A

	LCSD 280-670146/3-A
	LCSD 280-670146/3-A
	LCSD 280-670146/3-A
	LCSD 280-670146/3-A
	MB 280-670146/1-A
	MB 280-670146/1-A
	MB 280-670146/1-A
	MB 280-670146/1-A
	MB 280-670146/1-A
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	MB 280-670146/1-A
	MB 280-670146/1-A
	MB 280-670146/1-A
	MB 280-670146/1-A
Batch	LabID
	126
Result	CAS Number
	16887-00-6
QC	Lab QC ID
	280-197430-2 DU
	LCS 280-670194/1-A
	LCSD 280-670194/2-A
	MB 280-670194/3-A
	280-197430-2 MS
	280-197430-2 MSD
Batch	LabID
	126
Result	CAS Number
	8006-61-9
QC	Lab QC ID

Reporting Organization Name
Eurofins Denver
Sample Date and Time
10/01/2024 12:00
Lab Batch Identifie
669737
Analysis Name
% MOISTURE
% SOLIDS
QC Type
Lab Batch Identifie
669781
Analysis Name
BENZENE
ETHYLBENZENE
M-+P-XYLENE
O-XYLENE
TOLUENE
TOTAL XYLENES
QC Type
LCS
LCS
LCS
LCS
LCS
LCS
LCS
LCS
LCS
LCS
LCSD
LCSD
LCSD
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LCSD

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MB
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MB
MB

Lab Batch Identifie

669844

Analysis Name

TEPH DIESEL RANGE ORGANICS

QC Type

LCS
LCS
MB
MB
MS
MS
MSD
MSD

Lab Batch Identifie

669997

Analysis Name

TEPH MOTOR OIL RANGE ORGANICS

QC Type

LCS
LCS
MB
MB

MS
MS
MSD
MSD

Lab Batch Identifie
670295

Analysis Name
CHLORIDE

QC Type
DUP
LCS
LCSD
MB
MS
MSD

Lab Batch Identifie
670980

Analysis Name
TVPH - Gasoline Range Organics

QC Type
LCS
LCS
LCSD
LCSD
MB
MB

Sample Date and Time
10/01/2024 13:00

Lab Batch Identifie
669737

Analysis Name
% MOISTURE
% SOLIDS

QC Type
Lab Batch Identifie
669781
Analysis Name
BENZENE
ETHYLBENZENE
M-+P-XYLENE
O-XYLENE
TOLUENE
TOTAL XYLENES
QC Type
LCS
LCS
LCS
LCS
LCS
LCS
LCS
LCS
LCS
LCS
LCSD
LCSD
LCSD
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MB
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MB

Lab Batch Identifie
669844

Analysis Name
TEPH DIESEL RANGE ORGANICS

QC Type
LCS
LCS
MB
MB
MS
MS
MSD
MSD

Lab Batch Identifie
669997

Analysis Name
TEPH MOTOR OIL RANGE ORGANICS

QC Type
LCS
LCS
MB
MB
MS
MS
MSD
MSD

Lab Batch Identifie
670295

Analysis Name
CHLORIDE

QC Type
DUP
LCS
LCSD
MB
MS
MSD

Lab Batch Identifie
670980

Analysis Name
TVPH - Gasoline Range Organics

QC Type
LCS
LCS
LCSD
LCSD
MB
MB

Sample Date and Time
10/01/2024 14:00

Lab Batch Identifie
669737

Analysis Name
% MOISTURE
% SOLIDS

QC Type

Lab Batch Identifie
669781

Analysis Name
BENZENE
ETHYLBENZENE
M-+P-XYLENE
O-XYLENE

TOLUENE
TOTAL XYLENES
QC Type
LCS
LCS
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LCSD
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Lab Batch Identifie
669844
Analysis Name
TEPH DIESEL RANGE ORGANICS
QC Type

LCS
LCS
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MSD

Lab Batch Identifie
669997

Analysis Name
TEPH MOTOR OIL RANGE ORGANICS

QC Type
LCS
LCS
MB
MB
MS
MS
MSD
MSD

Lab Batch Identifie
670295

Analysis Name
CHLORIDE

QC Type
DUP
LCS
LCSD
MB
MS
MSD

Lab Batch Identifie
670980

Analysis Name
TVPH - Gasoline Range Organics
QC Type
LCS
LCS
LCSD
LCSD
MB
MB
Sample Date and Time
10/01/2024 15:00
Lab Batch Identifie
669737
Analysis Name
% MOISTURE
% SOLIDS
QC Type
Lab Batch Identifie
669844
Analysis Name
TEPH DIESEL RANGE ORGANICS
QC Type
LCS
LCS
MB
MB
MS
MS
MSD
MSD
Lab Batch Identifie
669997

Analysis Name
TEPH MOTOR OIL RANGE ORGANICS
QC Type
LCS
LCS
MB
MB
MS
MS
MSD
MSD
Lab Batch Identifie
670180
Analysis Name
BENZENE
ETHYLBENZENE
M-+P-XYLENE
O-XYLENE
TOLUENE
TOTAL XYLENES
QC Type
LCS
LCS
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LCSD
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Lab Batch Identifie

670295

Analysis Name

CHLORIDE

QC Type

DUP
LCS
LCSD
MB
MS
MSD

Lab Batch Identifie

671136

Analysis Name

TVPH - Gasoline Range Organics

QC Type

Order Number
280-197430-1
API #
Leach Date
Analysis Method
E160.3
E160.3
CAS Number
Leach Date
Analysis Method
SW8260
SW8260
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SW8260
CAS Number
17060-07-0
460-00-4
71-43-2
1868-53-7
100-41-4
179601-23-1
95-47-6
108-88-3
2037-26-5
1330-20-7
17060-07-0
460-00-4
71-43-2
1868-53-7
100-41-4
179601-23-1

95-47-6
108-88-3
2037-26-5
1330-20-7
17060-07-0
460-00-4
71-43-2
1868-53-7
100-41-4
179601-23-1
95-47-6
108-88-3
2037-26-5
1330-20-7

Leach Date

Analysis Method
SW8015

CAS Number
84-15-1
68334-30-5
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Leach Date

Analysis Method
SW8015

CAS Number
84-15-1
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TEPH-MRO

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TEPH-MRO

Leach Date

Analysis Method
SW9056

CAS Number
16887-00-6
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16887-00-6

Leach Date

Analysis Method
SW8015

CAS Number
98-08-8
8006-61-9
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8006-61-9

API #

Leach Date

Analysis Method
E160.3
E160.3

CAS Number
Leach Date

Analysis Method
SW8260
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SW8260

CAS Number
17060-07-0
460-00-4
71-43-2
1868-53-7
100-41-4
179601-23-1
95-47-6
108-88-3
2037-26-5
1330-20-7
17060-07-0
460-00-4
71-43-2
1868-53-7
100-41-4
179601-23-1
95-47-6
108-88-3
2037-26-5
1330-20-7
17060-07-0
460-00-4
71-43-2
1868-53-7
100-41-4
179601-23-1
95-47-6

108-88-3
2037-26-5
1330-20-7

Leach Date

Analysis Method
SW8015

CAS Number
84-15-1
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Leach Date

Analysis Method
SW8015

CAS Number
84-15-1
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TEPH-MRO

Leach Date

Analysis Method
SW9056

CAS Number
16887-00-6
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Analysis Method
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API #
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Analysis Method
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CAS Number
Leach Date
Analysis Method
SW8260
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CAS Number
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95-47-6
108-88-3
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71-43-2
1868-53-7
100-41-4
179601-23-1
95-47-6
108-88-3
2037-26-5
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17060-07-0
460-00-4
71-43-2
1868-53-7
100-41-4
179601-23-1
95-47-6
108-88-3
2037-26-5
1330-20-7

Leach Date

Analysis Method
SW8015

CAS Number

84-15-1
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Leach Date

Analysis Method
SW8015

CAS Number
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TEPH-MRO

Leach Date

Analysis Method
SW9056

CAS Number
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Leach Date

Analysis Method
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CAS Number
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API #
Leach Date
Analysis Method
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CAS Number
Leach Date
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CAS Number
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Leach Date

Analysis Method
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CAS Number
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CAS Number
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460-00-4
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95-47-6
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460-00-4
71-43-2
1868-53-7
100-41-4
179601-23-1

95-47-6
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2037-26-5
1330-20-7
17060-07-0
460-00-4
71-43-2
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179601-23-1
95-47-6
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2037-26-5
1330-20-7

Leach Date

Analysis Method
SW9056

CAS Number
16887-00-6
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16887-00-6
16887-00-6

Leach Date

Analysis Method
SW8015

CAS Number

Entity Requesting Analysis
4491
Lab Sample ID
280-197430-1
Extract Date and Time
Analytical Method Modifier
Analysis Method
Extract Date and Time
10/04/2024 07:02
Analytical Method Modifier
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Analysis Method
SW8260
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Extract Date and Time
10/03/2024 09:08

Analytical Method Modifier
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Analysis Method
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Extract Date and Time
10/03/2024 09:08

Analytical Method Modifier
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Analysis Method
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Extract Date and Time

Analytical Method Modifier
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Analysis Method
SW9056
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Extract Date and Time
10/14/2024 18:53

Analytical Method Modifier
D

Analysis Method
SW8015
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Lab Sample ID
280-197430-2

Extract Date and Time

Analytical Method Modifier

Analysis Method
Extract Date and Time
10/04/2024 07:02
Analytical Method Modifier
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Analysis Method
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Extract Date and Time
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Analytical Method Modifier
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Analysis Method
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Extract Date and Time
10/03/2024 09:08

Analytical Method Modifier
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Analysis Method
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Extract Date and Time

Analytical Method Modifier
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Analysis Method
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10/14/2024 18:53
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Lab Sample ID
280-197430-3
Extract Date and Time
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Analysis Method
Extract Date and Time
10/04/2024 07:02
Analytical Method Modifier
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Analysis Method
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Extract Date and Time
10/03/2024 09:08

Analytical Method Modifier
D

Analysis Method

SW8015
SW8015
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SW8015

Extract Date and Time
10/03/2024 09:08

Analytical Method Modifier
D

Analysis Method
SW8015
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Extract Date and Time

Analytical Method Modifier
A

Analysis Method
SW9056
SW9056
SW9056
SW9056
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SW9056

Extract Date and Time
10/14/2024 18:53

Analytical Method Modifier
D
Analysis Method
SW8015
SW8015
SW8015
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SW8015
SW8015
Lab Sample ID
280-197430-4
Extract Date and Time

Analytical Method Modifier

Analysis Method
Extract Date and Time
10/03/2024 09:08
Analytical Method Modifier
D
Analysis Method
SW8015
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SW8015
Extract Date and Time
10/03/2024 09:08

Analytical Method Modifier
D
Analysis Method
SW8015
SW8015
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SW8015
Extract Date and Time
10/08/2024 07:02
Analytical Method Modifier
D
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Analysis Method
SW8260
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Extract Date and Time

Analytical Method Modifier
A

Analysis Method
SW9056
SW9056
SW9056
SW9056
SW9056
SW9056

Extract Date and Time
10/14/2024 13:10

Analytical Method Modifier
D

Analysis Method

Purpose
Sample Type
SOIL
Extract Method
Unit
%
%
Analytical Method Modifier
Extract Method
SW5035
Unit
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
Analytical Method Modifier
D
D
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Extract Method
SW3546
Unit
mg/Kg
Analytical Method Modifier
D
D
D
D
D
D
D
D

Extract Method
SW3546
Unit
mg/Kg
Analytical Method Modifier
D
D
D
D

D
D
D
D

Extract Method

Unit
mg/Kg

Analytical Method Modifier
A
A
A
A
A
A

Extract Method
SW5035

Unit
mg/Kg

Analytical Method Modifier
D
D
D
D
D
D

Sample Type
SOIL

Extract Method

Unit
%
%

Analytical Method Modifier
Extract Method
SW5035
Unit
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
Analytical Method Modifier
D
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Extract Method
SW3546

Unit
mg/Kg

Analytical Method Modifier
D
D
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Extract Method
SW3546

Unit
mg/Kg

Analytical Method Modifier
D
D
D
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Extract Method

Unit
mg/Kg

Analytical Method Modifier
A
A
A
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Extract Method
SW5035
Unit
mg/Kg
Analytical Method Modifier
D
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Sample Type
SOIL
Extract Method
Unit
%
%
Analytical Method Modifier
Extract Method
SW5035
Unit
mg/Kg
mg/Kg
mg/Kg
mg/Kg

mg/Kg
mg/Kg

Analytical Method Modifier

D
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Extract Method

SW3546

Unit

mg/Kg

Analytical Method Modifier

D
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Extract Method
SW3546

Unit
mg/Kg

Analytical Method Modifier
D
D
D
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D

Extract Method

Unit
mg/Kg

Analytical Method Modifier
A
A
A
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A

Extract Method
SW5035

Unit
mg/Kg
Analytical Method Modifier
D
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Sample Type
SOIL
Extract Method

Unit
%
%
Analytical Method Modifier
Extract Method
SW3546
Unit
mg/Kg
Analytical Method Modifier
D
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Extract Method
SW3546

Unit
mg/Kg
Analytical Method Modifier
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Extract Method
SW5035
Unit
mg/Kg
mg/Kg
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mg/Kg
Analytical Method Modifier
D
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Extract Method

Unit
mg/Kg
Analytical Method Modifier
A
A
A
A
A
A

Extract Method
SW5035
Unit
mg/Kg
Analytical Method Modifier

Project
Matrix
SOIL
Start Date and Time
Result Value
10.6
89.4
Unit
Start Date and Time
Result Value
0.0038
0.0038
0.0019
0.0019
0.0038
0.0038
Unit
mg/Kg
mg/Kg
mg/Kg
mg/Kg
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mg/Kg

Start Date and Time

Result Value
170

Unit
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg

Start Date and Time

Result Value
74

Unit
mg/Kg
mg/Kg
mg/Kg
mg/Kg

mg/Kg
mg/Kg
mg/Kg
mg/Kg

Start Date and Time
10/08/2024 15:04

Result Value
35

Unit
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg

Start Date and Time

Result Value
20

Unit
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg

Matrix
SOIL

Start Date and Time

Result Value
7.4
92.6

Unit
Start Date and Time

Result Value
0.0041
0.0041
0.0020
0.0020
0.0041
0.0041

Unit
mg/Kg
mg/Kg
mg/Kg
mg/Kg
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Start Date and Time

Result Value
250

Unit
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg

Start Date and Time

Result Value
120

Unit
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg

Start Date and Time
10/08/2024 15:04

Result Value
37

Unit
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg

Start Date and Time

Result Value
33

Unit
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg

Matrix
SOIL

Start Date and Time

Result Value
10.8
89.2

Unit

Start Date and Time

Result Value
0.0047
0.0047
0.0024
0.0024

0.0047
0.0047

Unit
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
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Start Date and Time

Result Value
200

Unit

mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg

Start Date and Time

Result Value
130

Unit
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg

Start Date and Time
10/08/2024 15:04

Result Value
750

Unit
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg

Start Date and Time

Result Value
31
Unit
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
Matrix
SOIL
Start Date and Time

Result Value
9.1
90.9
Unit
Start Date and Time

Result Value
120
Unit
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
Start Date and Time

Result Value
61

Unit
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg

Start Date and Time

Result Value
0.20
0.20
0.79
0.22
0.52
1.0

Unit
mg/Kg
mg/Kg
mg/Kg
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Start Date and Time
10/08/2024 15:04

Result Value
140

Unit
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg
mg/Kg

Start Date and Time

Result Value
2.2

Unit

Comments
End Date
Qualifier
Test Type
End Date
Qualifier
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Test Type
SU
SU
TA
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End Date

Qualifier

Test Type

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Comments

End Date

Qualifier

Test Type End Date

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Test Type
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End Date

Qualifier

Test Type
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Comments

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Test Type
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End Date

Qualifier

Test Type

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End Date

Qualifier

Test Type

Project Number
Conc Method
Test Type
TA
TA
Result Value1
Conc Method
Test Type
TA
TA
TA
TA
TA
TA
Result Value1
0.0506
0.0532
0.0555
0.0510
0.0594
0.0607
0.0564
0.0551
0.0500
0.117
0.0519
0.0531
0.0510
0.0497
0.0520
0.0532

0.0504
0.0506
0.0493
0.104
0.0510
0.0498
0.0050
0.0499
0.0050
0.0025
0.0025
0.0050
0.0481
0.0050

Conc Method

Test Type
TA

Result Value1
1.42
93.4
1.48
8.0
4.89
325
4.34
314

Conc Method

Test Type
TA

Result Value1
2.09
194
2.17
24

5.45
659
5.46
613

Conc Method

Test Type
TA

Result Value1
37.5
965
967
30
539
540

Conc Method

Test Type
TA

Result Value1
2.91
8.65
3.01
9.66
2.84
2.0

Project Number

Conc Method

Test Type
TA
TA

Result Value1 Conc Method

Test Type
TA
TA
TA
TA
TA
TA

Result Value1
0.0506
0.0532
0.0555
0.0510
0.0594
0.0607
0.0564
0.0551
0.0500
0.117
0.0519
0.0531
0.0510
0.0497
0.0520
0.0532
0.0504
0.0506
0.0493
0.104
0.0510
0.0498
0.0050
0.0499
0.0050
0.0025
0.0025

0.0050
0.0481
0.0050

Conc Method

Test Type
TA

Result Value1
1.42
93.4
1.48
8.0
4.89
325
4.34
314

Conc Method

Test Type
TA

Result Value1
2.09
194
2.17
24
5.45
659
5.46
613

Conc Method

Test Type
TA

Result Value1
37.5
965
967
30
539
540

Conc Method

Test Type
TA

Result Value1
2.91
8.65
3.01
9.66
2.84
2.0

Project Number

Conc Method

Test Type
TA
TA

Result Value1 Conc Method

Test Type
TA
TA
TA
TA

TA
TA

Result Value1
0.0506
0.0532
0.0555
0.0510
0.0594
0.0607
0.0564
0.0551
0.0500
0.117
0.0519
0.0531
0.0510
0.0497
0.0520
0.0532
0.0504
0.0506
0.0493
0.104
0.0510
0.0498
0.0050
0.0499
0.0050
0.0025
0.0025
0.0050
0.0481
0.0050

Conc Method

Test Type
TA

Result Value1

1.42
93.4
1.48
8.0
4.89
325
4.34
314

Conc Method

Test Type
TA

Result Value1
2.09
194
2.17
24
5.45
659
5.46
613

Conc Method

Test Type
TA

Result Value1
37.5
965
967
30
539
540

Conc Method

Test Type
TA

Result Value1
2.91
8.65
3.01
9.66
2.84
2.0

Project Number

Conc Method

Test Type
TA
TA

Result Value1 Conc Method

Test Type
TA

Result Value1
1.42
93.4
1.48
8.0
4.89
325
4.34
314

Conc Method

Test Type
TA

Result Value1
2.09
194
2.17
24
5.45
659
5.46
613

Conc Method

Test Type
TA
TA
TA
TA
TA
TA

Result Value1
2.48
2.67
2.52
2.48
2.60
2.65
2.44
2.50
2.44
5.09
2.61
2.57
2.73
2.44
2.74
2.82

2.62
2.61
2.51
5.44
2.54
2.48
0.25
2.44
0.25
0.25
0.13
0.25
2.55
0.25

Conc Method

Test Type

TA

Result Value1

37.5
965
967
30
539
540

Conc Method

Test Type

TA

Result Value1

Chain of Custody ID

Init Vol

Result Text

Qualifier1

Init Vol

6.608

Result Text

Qualifier1

<

<
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<

Init Vol

5.0

Result Text

Qualifier1

<

Init Vol

5.0

Result Text

Qualifier1

<

Init Vol
10
Result Text

Qualifier1

<

Init Vol
5.569
Result Text

Qualifier1

<
Chain of Custody ID

Init Vol

Result Text

Qualifier1
Init Vol
6.149
Result Text

Qualifier1

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Init Vol
3.1
Result Text

Qualifier1

<

Init Vol
3.1
Result Text

Qualifier1

<

Init Vol
10
Result Text

Qualifier1

<

Init Vol

5.739

Result Text

Qualifier1

<

Chain of Custody ID

Init Vol

Result Text

Qualifier1

Init Vol

5.282

Result Text

Qualifier1

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Init Vol

5.8

Result Text

Qualifier1

<

Init Vol
5.8
Result Text

Qualifier1

<

Init Vol
10
Result Text

Qualifier1

<

Init Vol
5.445

Result Text

Qualifier1

<

Chain of Custody ID

Init Vol

Result Text

Qualifier1

Init Vol

5.9

Result Text

Qualifier1

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Init Vol

5.9

Result Text

Qualifier1

<

Init Vol
6.201

Result Text

Qualifier1

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Init Vol

10

Result Text

Qualifier1

<

Init Vol

4.885

Result Text

Qualifier1

Date Received by Lab	
10/02/2024	
Final Vol	Init Vol Units
Data Flag	Dilution
	1
	1
Result Value2	Qualifier2
Final Vol	Init Vol Units
5	*g*
Data Flag	Dilution
	1
	1
	1
	1
	1
	1
Result Value2	Qualifier2

Final Vol	Init Vol Units
1	*g*
Data Flag	Dilution
F1	*1*
Result Value2	Qualifier2

Final Vol	Init Vol Units
1	*g*
Data Flag	Dilution
	1
Result Value2	Qualifier2

Final Vol	Init Vol Units
10	*mL*
Data Flag	Dilution
	1
Result Value2	Qualifier2

Final Vol	Init Vol Units
5	*g*
Data Flag	Dilution
	1
Result Value2	Qualifier2

Date Received by Lab
10/02/2024

Final Vol	Init Vol Units
Data Flag	Dilution
	1
	1

Result Value2	Qualifier2
Final Vol	Init Vol Units
5	*g*
Data Flag	Dilution
	1
	1
	1
	1
	1
	1
Result Value2	Qualifier2

Final Vol	Init Vol Units
1	*g*
Data Flag	Dilution
	1
Result Value2	Qualifier2

Final Vol	Init Vol Units
1	*g*
Data Flag	Dilution
	1
Result Value2	Qualifier2

Final Vol	Init Vol Units
10	*mL*
Data Flag	Dilution
	1

Result Value2	Qualifier2

Final Vol	Init Vol Units
5	*g*
Data Flag	Dilution
	1
Result Value2	Qualifier2

Date Received by Lab
10/02/2024

Final Vol	Init Vol Units
Data Flag	Dilution
	1
	1
Result Value2	Qualifier2
Final Vol	Init Vol Units
5	*g*
Data Flag	Dilution
	1
	1
	1
	1

	1
	1
Result Value2	Qualifier2

Final Vol	Init Vol Units
1	*g*
Data Flag	Dilution
	1
Result Value2	Qualifier2

Final Vol	Init Vol Units
1	*g*
Data Flag	Dilution
	1
Result Value2	Qualifier2

Final Vol	Init Vol Units
10	*mL*
Data Flag	Dilution
	1
Result Value2	Qualifier2

Final Vol	Init Vol Units
5	*g*

Data Flag	Dilution
	1
Result Value2	Qualifier2

Date Received by Lab
10/02/2024

Final Vol	Init Vol Units

Data Flag	Dilution
	1
	1
Result Value2	Qualifier2
Final Vol	Init Vol Units
1	*g*

Data Flag	Dilution
	1
Result Value2	Qualifier2

Final Vol	Init Vol Units
1	*g*

Data Flag	Dilution
	1
Result Value2	Qualifier2

Final Vol	Init Vol Units
5	*g*
Data Flag	Dilution
	1
	1
	1
	1
	1
	1
Result Value2	Qualifier2

Final Vol	Init Vol Units
10	*mL*
Data Flag	Dilution
	1
Result Value2	Qualifier2

Final Vol	Init Vol Units
5	*g*
Data Flag	Dilution
	1
Result Value2	Qualifier2

Final Vol Units	Analysis Date and Time	Report Basis
	10/03/2024 17:19	*Total/NA*

Fraction Type	MDC	Reported MDC
total		
total		

Spike Amount	Percent Recovery	Upper Limit

Final Vol Units	Analysis Date and Time	Report Basis
mL	*10/04/2024 16:17*	*Total/NA*

Fraction Type	MDC	Reported MDC
total		
total		
total		
total		
total		
total		

Spike Amount	Percent Recovery	Upper Limit
0.0500	*101*	*58*
0.0500	*106*	*76*
0.0500	*111*	*75*
0.0500	*102*	*75*
0.0500	*119*	*73*
0.0500	*121*	*77*
0.0500	*113*	*75*
0.0500	*110*	*77*
0.0500	*100*	*80*
0.100	*117*	*76*
0.0500	*104*	*58*
0.0500	*106*	*76*
		75
0.0500	*99*	*75*
		73
		77

		75
		77
0.0500	*99*	*80*
		76
0.0500	*102*	*58*
0.0500	*100*	*76*
0.0500	*100*	*75*
0.0500	*96*	*80*

Final Vol Units	Analysis Date and Time	Report Basis
mL	*10/04/2024 23:07*	*Total/NA*

Fraction Type	MDC	Reported MDC
total		

Spike Amount	Percent Recovery	Upper Limit
2.33	*61*	*40*
133	*70*	*40*
2.33	*64*	*40*
6.86	*71*	*40*
392	*39*	*40*
6.14	*71*	*40*
		40

Final Vol Units	Analysis Date and Time	Report Basis
mL	*10/08/2024 00:57*	*Total/NA*

Fraction Type	MDC	Reported MDC
total		

Spike Amount	Percent Recovery	Upper Limit
2.33	*90*	*40*
334	*58*	*48*
2.33	*93*	*40*

6.03	*90*	*40*
865	*68*	*48*
6.03	*90*	*40*
		48

Final Vol Units	Analysis Date and Time	Report Basis
mL	*10/09/2024 14:12*	*Soluble*

Fraction Type	MDC	Reported MDC
dissolved		

Spike Amount	Percent Recovery	Upper Limit
1000	*96*	*90*
		90
498	*101*	*80*
		80

Final Vol Units	Analysis Date and Time	Report Basis
mL	*10/15/2024 02:55*	*Total/NA*

Fraction Type	MDC	Reported MDC
total		

Spike Amount	Percent Recovery	Upper Limit
3.00	*97*	*77*
9.99	*87*	*75*
3.00	*100*	*77*
		75
3.00	*95*	*77*

Final Vol Units	Analysis Date and Time	Report Basis
	10/03/2024 17:19	*Total/NA*

Fraction Type	MDC	Reported MDC
total		
total		

Spike Amount	Percent Recovery	Upper Limit
Final Vol Units	Analysis Date and Time	Report Basis
mL	*10/04/2024 16:17*	*Total/NA*

Fraction Type	MDC	Reported MDC
total		
total		
total		
total		
total		
total		

Spike Amount	Percent Recovery	Upper Limit
0.0500	*101*	*58*
0.0500	*106*	*76*
0.0500	*111*	*75*
0.0500	*102*	*75*
0.0500	*119*	*73*
0.0500	*121*	*77*
0.0500	*113*	*75*
0.0500	*110*	*77*
0.0500	*100*	*80*
0.100	*117*	*76*
0.0500	*104*	*58*
0.0500	*106*	*76*
		75
0.0500	*99*	*75*
		73
		77
		75
		77
0.0500	*99*	*80*
		76
0.0500	*102*	*58*
0.0500	*100*	*76*
0.0500	*100*	*75*

0.0500	*96*	*80*

Final Vol Units	Analysis Date and Time	Report Basis
mL	*10/04/2024 23:07*	*Total/NA*

Fraction Type	MDC	Reported MDC
total		

Spike Amount	Percent Recovery	Upper Limit
2.33	*61*	*40*
133	*70*	*40*
2.33	*64*	*40*
6.86	*71*	*40*
392	*39*	*40*
6.14	*71*	*40*
		40

Final Vol Units	Analysis Date and Time	Report Basis
mL	*10/08/2024 00:57*	*Total/NA*

Fraction Type	MDC	Reported MDC
total		

Spike Amount	Percent Recovery	Upper Limit
2.33	*90*	*40*
334	*58*	*48*
2.33	*93*	*40*
6.03	*90*	*40*
865	*68*	*48*
6.03	*90*	*40*
		48

Final Vol Units	Analysis Date and Time	Report Basis
mL	*10/09/2024 14:12*	*Soluble*

Fraction Type	MDC	Reported MDC
dissolved		

Spike Amount	Percent Recovery	Upper Limit
1000	*96*	*90*
		90
498	*101*	*80*
		80

Final Vol Units	Analysis Date and Time	Report Basis
mL	*10/15/2024 02:55*	*Total/NA*

Fraction Type	MDC	Reported MDC
total		

Spike Amount	Percent Recovery	Upper Limit
3.00	*97*	*77*
9.99	*87*	*75*
3.00	*100*	*77*
		75
3.00	*95*	*77*

Final Vol Units	Analysis Date and Time	Report Basis
	10/03/2024 17:19	*Total/NA*

Fraction Type	MDC	Reported MDC
total		
total		

Spike Amount	Percent Recovery	Upper Limit

Final Vol Units	Analysis Date and Time	Report Basis
mL	*10/04/2024 16:17*	*Total/NA*

Fraction Type	MDC	Reported MDC
total		
total		
total		
total		

total
total

Spike Amount	Percent Recovery	Upper Limit
0.0500	*101*	*58*
0.0500	*106*	*76*
0.0500	*111*	*75*
0.0500	*102*	*75*
0.0500	*119*	*73*
0.0500	*121*	*77*
0.0500	*113*	*75*
0.0500	*110*	*77*
0.0500	*100*	*80*
0.100	*117*	*76*
0.0500	*104*	*58*
0.0500	*106*	*76*
		75
0.0500	*99*	*75*
		73
		77
		75
		77
0.0500	*99*	*80*
		76
0.0500	*102*	*58*
0.0500	*100*	*76*
0.0500	*100*	*75*
0.0500	*96*	*80*

Final Vol Units	Analysis Date and Time	Report Basis
mL	*10/04/2024 23:07*	*Total/NA*

Fraction Type	MDC	Reported MDC
total		

Spike Amount	Percent Recovery	Upper Limit

2.33	*61*	*40*
133	*70*	*40*
2.33	*64*	*40*
6.86	*71*	*40*
392	*39*	*40*
6.14	*71*	*40*
		40

Final Vol Units	Analysis Date and Time	Report Basis
mL	*10/08/2024 00:57*	*Total/NA*

Fraction Type	MDC	Reported MDC
total		

Spike Amount	Percent Recovery	Upper Limit
2.33	*90*	*40*
334	*58*	*48*
2.33	*93*	*40*
6.03	*90*	*40*
865	*68*	*48*
6.03	*90*	*40*
		48

Final Vol Units	Analysis Date and Time	Report Basis
mL	*10/09/2024 14:12*	*Soluble*

Fraction Type	MDC	Reported MDC
dissolved		

Spike Amount	Percent Recovery	Upper Limit
1000	*96*	*90*
		90
498	*101*	*80*
		80

Final Vol Units	Analysis Date and Time	Report Basis
mL	*10/15/2024 02:55*	*Total/NA*

Fraction Type	MDC	Reported MDC
total		

Spike Amount	Percent Recovery	Upper Limit
3.00	*97*	*77*
9.99	*87*	*75*
3.00	*100*	*77*
		75
3.00	*95*	*77*

Final Vol Units	Analysis Date and Time	Report Basis
	10/03/2024 17:19	*Total/NA*

Fraction Type	MDC	Reported MDC
total		
total		

Spike Amount	Percent Recovery	Upper Limit

Final Vol Units	Analysis Date and Time	Report Basis
mL	*10/04/2024 23:07*	*Total/NA*

Fraction Type	MDC	Reported MDC
total		

Spike Amount	Percent Recovery	Upper Limit
2.33	*61*	*40*
133	*70*	*40*
2.33	*64*	*40*
6.86	*71*	*40*
392	*39*	*40*
6.14	*71*	*40*
		40

Final Vol Units	Analysis Date and Time	Report Basis
mL	*10/08/2024 00:57*	*Total/NA*

Fraction Type	MDC	Reported MDC
total		
Spike Amount	Percent Recovery	Upper Limit
2.33	*90*	*40*
334	*58*	*48*
2.33	*93*	*40*
6.03	*90*	*40*
865	*68*	*48*
6.03	*90*	*40*
		48
Final Vol Units	Analysis Date and Time	Report Basis
mL	*10/08/2024 17:58*	*Total/NA*
Fraction Type	MDC	Reported MDC
total		
total		
total		
total		
total		
total		
Spike Amount	Percent Recovery	Upper Limit
2.50	*99*	*52*
2.50	*107*	*65*
2.50	*101*	*65*
2.50	*99*	*65*
2.50	*104*	*65*
2.50	*106*	*65*
2.50	*98*	*65*
2.50	*100*	*65*
2.50	*97*	*65*
5.00	*102*	*65*
2.50	*104*	*52*
2.50	*103*	*65*
		65
2.50	*98*	*65*
		65
		65

		65
		65
2.50	100	65
		65
2.50	102	52
2.50	99	65
2.50	98	65
2.50	102	65

Final Vol Units	Analysis Date and Time	Report Basis
mL	10/09/2024 14:12	Soluble

Fraction Type	MDC	Reported MDC
dissolved		

Spike Amount	Percent Recovery	Upper Limit
1000	96	90
		90
498	101	80
		80

Final Vol Units	Analysis Date and Time	Report Basis
mL	10/15/2024 16:20	Total/NA

Fraction Type	MDC	Reported MDC
total		

Spike Amount	Percent Recovery	Upper Limit

Comments	File Name

Detection Limit	Instrument Detection Limit
0.1	
0.1	

Lower Limit	RPD
Comments	File Name

Detection Limit	Instrument Detection Limit
0.0038	
0.0038	
0.0019	
0.0019	
0.0038	
0.0038	

Lower Limit	RPD
140	
127	
135	*8*
121	
125	*13*
135	*13*
135	*11*
122	*8*
126	
135	*12*
140	
127	
135	*8*
121	
125	*13*
135	*13*

135	*11*
122	*8*
126	
135	*12*
140	
127	
121	
126	

Comments	File Name
Detection Limit	Instrument Detection Limit
24	
Lower Limit	RPD
122	
120	
122	
122	
120	*4*
122	
120	*4*

Comments	File Name
Detection Limit	Instrument Detection Limit
72	
Lower Limit	RPD
122	
122	
122	

122	
122	*7*
122	
122	*7*

Comments	File Name

Detection Limit	Instrument Detection Limit
30	

Lower Limit	RPD
	0.2
110	*0*
110	*0*
120	*0*
120	*0*

Comments	File Name

Detection Limit	Instrument Detection Limit
1.8	

Lower Limit	RPD
123	
135	*11*
123	
135	*11*
123	

Comments	File Name

Detection Limit	Instrument Detection Limit
0.1	
0.1	

Lower Limit	RPD	Comments	File Name

Detection Limit	Instrument Detection Limit
0.0041	
0.0041	
0.0020	
0.0020	
0.0041	
0.0041	

Lower Limit	RPD
140	
127	
135	*8*
121	
125	*13*
135	*13*
135	*11*
122	*8*
126	
135	*12*
140	
127	
135	*8*
121	
125	*13*
135	*13*
135	*11*
122	*8*
126	
135	*12*
140	
127	
121	

126

Comments	File Name
Detection Limit	Instrument Detection Limit
39	
Lower Limit	RPD
122	
120	
122	
122	
120	*4*
122	
120	*4*
Comments	File Name
Detection Limit	Instrument Detection Limit
120	
Lower Limit	RPD
122	
122	
122	
122	
122	*7*
122	
122	*7*
Comments	File Name
Detection Limit	Instrument Detection Limit
30	

Lower Limit	RPD
	0.2
110	*0*
110	*0*
120	*0*
120	*0*

Comments	File Name

Detection Limit	Instrument Detection Limit
1.7	

Lower Limit	RPD
123	
135	*11*
123	
135	*11*
123	

Comments	File Name

Detection Limit	Instrument Detection Limit
0.1	
0.1	

Lower Limit	RPD

Comments	File Name

Detection Limit	Instrument Detection Limit
0.0047	
0.0047	
0.0024	
0.0024	

0.0047
0.0047

Lower Limit	RPD
140	
127	
135	*8*
121	
125	*13*
135	*13*
135	*11*
122	*8*
126	
135	*12*
140	
127	
135	*8*
121	
125	*13*
135	*13*
135	*11*
122	*8*
126	
135	*12*
140	
127	
121	
126	

Comments	File Name

Detection Limit	Instrument Detection Limit
21	

Lower Limit	RPD

122	
120	
122	
122	
120	*4*
122	
120	*4*
Comments	File Name

Detection Limit	Instrument Detection Limit
62	
Lower Limit	RPD
122	
122	
122	
122	
122	*7*
122	
122	*7*
Comments	File Name

Detection Limit	Instrument Detection Limit
30	
Lower Limit	RPD
	0.2
110	*0*
110	*0*
120	*0*
120	*0*
Comments	File Name

Detection Limit	Instrument Detection Limit
1.8	
Lower Limit	RPD
123	
135	*11*
123	
135	*11*
123	

Comments	File Name

Detection Limit	Instrument Detection Limit
0.1	
0.1	
Lower Limit	RPD
Comments	File Name

Detection Limit	Instrument Detection Limit
20	
Lower Limit	RPD
122	
120	
122	
122	
120	*4*
122	
120	*4*
Comments	File Name

Detection Limit	Instrument Detection Limit
61	
Lower Limit	RPD
122	
122	
122	
122	
122	*7*
122	
122	*7*
Comments	File Name

Detection Limit	Instrument Detection Limit
0.20	
0.20	
0.20	
0.10	
0.20	
0.20	
Lower Limit	RPD
135	
135	
135	*8*
135	
135	*5*
135	*6*
135	*7*
135	*4*
135	
135	*7*
135	
135	
135	*8*
135	
135	*5*
135	*6*

135	*7*
135	*4*
135	
135	*7*
135	
135	
135	
135	

Comments	File Name
Detection Limit	Instrument Detection Limit
30	
Lower Limit	RPD
	0.2
110	*0*
110	*0*
120	*0*
120	*0*
Comments	File Name
Detection Limit	Instrument Detection Limit
2.0	
Lower Limit	RPD

Column #
NA
Method Detection Limit
0.1
0.1
RPD Limit
Column #
NA
Method Detection Limit
0.00014
0.00035
0.00038
0.00044
0.00048
0.00038
RPD Limit
20
20
20
20
20
20
20
20

20
20

20

Column #
NA
Method Detection Limit
11
RPD Limit

23

23
Column #
NA
Method Detection Limit
23
RPD Limit

30

30

Column #

NA

Method Detection Limit

12

RPD Limit

10
10
10

20
20

Column #

1C

Method Detection Limit

0.68

RPD Limit

30

30

Column #

NA

Method Detection Limit

0.1
0.1

RPD Limit Column #
NA
Method Detection Limit
0.00015
0.00037
0.00041
0.00047
0.00052
0.00041
RPD Limit
20
20
20
20
20
20
20
20
20
20
20
20

Column #
NA
Method Detection Limit
18
RPD Limit

23

23
Column #
NA
Method Detection Limit
38
RPD Limit

30

30
Column #
NA
Method Detection Limit
12

RPD Limit
10
10
10
20
20

Column #
1C

Method Detection Limit
0.66

RPD Limit
30
30

Column #
NA

Method Detection Limit
0.1
0.1

RPD Limit

Column #
NA

Method Detection Limit
0.00017
0.00043
0.00048
0.00054

0.00061
0.00048

RPD Limit

20

20
20
20
20

20

20

20
20
20
20

20

Column #
NA

Method Detection Limit
9.4

RPD Limit

23

23

Column #

NA

Method Detection Limit

20

RPD Limit

30

30

Column #

NA

Method Detection Limit

11

RPD Limit

10

10

10

20

20

Column #

1C

Method Detection Limit	
0.70	
RPD Limit	
30	
30	

Column #	
NA	
Method Detection Limit	
0.1	
0.1	
RPD Limit	
Column #	
NA	
Method Detection Limit	
9.3	
RPD Limit	
23	
23	
Column #	
NA	

Method Detection Limit
20
RPD Limit
30
30
Column #
NA
Method Detection Limit
0.036
0.027
0.063
0.028
0.031
0.028
RPD Limit
20
20
23
20
20
20
20
20
23

20
20

20

Column #
NA
Method Detection Limit
11
RPD Limit
10
10
10

20
20

Column #
1C
Method Detection Limit
0.78
RPD Limit

Comments

TPU

Comments

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Comments
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AnalyticalBatchID
669737
669737

DER	DER Limit

AnalyticalBatchID
669781
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669781
669781
669781
669781

DER	DER Limit

AnalyticalBatchID
669844

DER	DER Limit

AnalyticalBatchID
669997

DER	DER Limit

AnalyticalBatchID
670295

DER	DER Limit

AnalyticalBatchID
670980

DER	DER Limit

AnalyticalBatchID
669737
669737

DER	DER Limit

AnalyticalBatchID
669781
669781
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669781

DER	DER Limit

AnalyticalBatchID
669844

DER	DER Limit

AnalyticalBatchID
669997

DER	DER Limit

AnalyticalBatchID
670295

DER	DER Limit

AnalyticalBatchID
670980

DER	DER Limit

AnalyticalBatchID
669737
669737

DER	DER Limit

AnalyticalBatchID
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DER	DER Limit

AnalyticalBatchID
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DER	DER Limit

AnalyticalBatchID
669997

DER	DER Limit

AnalyticalBatchID
670295

DER	DER Limit

AnalyticalBatchID
670980

DER	DER Limit

AnalyticalBatchID
669737
669737

DER	DER Limit

AnalyticalBatchID
669844

DER	DER Limit

AnalyticalBatchID
669997

DER	DER Limit

AnalyticalBatchID
670180
670180
670180
670180
670180
670180

DER	DER Limit

AnalyticalBatchID
670295

DER	DER Limit

AnalyticalBatchID
671136

DER	DER Limit

Rerun Number	QCBatchID

Rerun Number	QCBatchID
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	669781
	669781
	669781
	669781
	669781
	669781
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Rerun Number	QCBatchID
	669844
	669844
	669844
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	669844
	669844
	669844

Rerun Number	QCBatchID
	669997
	669997
	669997
	669997

	669997
	669997
	669997
	669997

Rerun Number	QCBatchID
	670295
	670295
	670295
	670295
	670295
	670295

Rerun Number	QCBatchID
	670980
	670980
	670980
	670980
	670980
	670980

Rerun Number	QCBatchID

Rerun Number	QCBatchID
	669781
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Rerun Number	QCBatchID
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	669844
	669844
	669844

Rerun Number	QCBatchID
	669997
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	669997
	669997
	669997
	669997
	669997
	669997

Rerun Number	QCBatchID
	670295
	670295
	670295
	670295
	670295
	670295

Rerun Number	QCBatchID
	670980
	670980
	670980
	670980
	670980
	670980

Rerun Number	QCBatchID

Rerun Number	QCBatchID
	669781
	669781
	669781
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Rerun Number	QCBatchID

	669844
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	669844

Rerun Number	QCBatchID
	669997
	669997
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	669997
	669997
	669997
	669997
	669997

Rerun Number	QCBatchID
	670295
	670295
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	670295
	670295

Rerun Number	QCBatchID
	670980
	670980
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	670980
	670980

Rerun Number	QCBatchID

Rerun Number	QCBatchID
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	669844
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	669844
	669844

Rerun Number	QCBatchID
	669997
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	669997
	669997

Rerun Number	QCBatchID
	670180
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Rerun Number	QCBatchID
	670295
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	670295
	670295

Rerun Number	QCBatchID

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Randy Madison
Wapiti Operating LLC
309 Silver Street
PO BOX 190
Raton, New Mexico 87740

Generated 10/17/2024 1:58:21 PM

JOB DESCRIPTION

Pit Samples

JOB NUMBER

280-197430-1

Eurofins Denver
4955 Yarrow Street
Arvada CO 80002

See page two for job notes and contact information.

Eurofins Denver

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization

Shelby McCabe

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Authorized for release by
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(303)736-0165

Client: Wapiti Operating LLC
Project/Site: Pit Samples

Laboratory Job ID: 280-197430-1

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Definitions/Glossary

Client: Wapiti Operating LLC
Project/Site: Pit Samples

Job ID: 280-197430-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Wapiti Operating LLC
Project: Pit Samples

Job ID: 280-197430-1

Job ID: 280-197430-1 Eurofins Denver

Job Narrative
280-197430-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 10/2/2024 10:11 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.4°C.

Receipt Exceptions
The following samples were received with labels affixed to their pre-tared MeOH preserved Terracore containers: Sample B-344 (280-197430-1), Sample D-312 (280-197430-2), Sample A-585 (280-197430-3) and Sample A-611 (280-197430-4). Results could potentially be biased low due to the elevated measurement of sample weight; therefore, pre-tared Terracore containers should not get labels affixed on them. The analysts will attempt to remove the labels prior to analysis where possible, however, this cannot be guaranteed.

The container labels for the following samples did not match the information listed on the Chain-of-Custody (COC): AllSample B-344 (280-197430-1), Sample D-312 (280-197430-2), Sample A-585 (280-197430-3) and Sample A-611 (280-197430-4). The COC lists "Sample ID then an indicating number". Ex.(Sample-312D). Container labels list "Indicating number, Pit Sample ID." Ex.(D-312-PitSample). The samples were logged per the COC.

Method 8260D - Volatile Organic Compounds by GC/MS
Samples Sample B-344 (280-197430-1), Sample D-312 (280-197430-2), Sample A-585 (280-197430-3) and Sample A-611 (280-197430-4) were analyzed for Volatile Organic Compounds by GC/MS. The samples were prepared on 10/1/2024 and analyzed on 10/4/2024 and 10/8/2024.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 280-669836 and analytical batch 280-669781. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 280-670146 and analytical batch 280-670180. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8015D - Gasoline Range Organics (GRO) (GC)
Samples Sample B-344 (280-197430-1), Sample D-312 (280-197430-2), Sample A-585 (280-197430-3) and Sample A-611 (280-197430-4) were analyzed for Gasoline Range Organics (GRO) (GC). The samples were prepared on 10/1/2024 and 10/14/2024 and analyzed on 10/15/2024.

Surrogate recovery for the following samples was outside control limits: Sample B-344 (280-197430-1), Sample D-312 (280-197430-2) and Sample A-585 (280-197430-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Insufficient sample volume was available to perform a matrix spike and matrix spike duplicate (MS/MSD) associated with preparation batch 280-670982 and analytical batch 280-670980. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8015D - Diesel Range Organics (DRO) (GC)
Samples Sample B-344 (280-197430-1), Sample D-312 (280-197430-2), Sample A-585 (280-197430-3) and Sample A-611 (280-197430-4) were analyzed for Diesel Range Organics (DRO) (GC). The samples were prepared on 10/3/2024 and analyzed

Case Narrative

Client: Wapiti Operating LLC Job ID: 280-197430-1
Project: Pit Samples

Job ID: 280-197430-1 (Continued) Eurofins Denver

on 10/4/2024, 10/7/2024 and 10/8/2024.

Due to the matrix being dark, damp, rocky, and sandy, an initial volume of five grams instead of fifteen grams was used for the following samples, which deviated from the standard procedure in order to prevent venting and microwave equipment damage in preparation batch 280-669596: Sample B-344 (280-197430-1), Sample A-585 (280-197430-3), Sample A-611 (280-197430-4), (280-197430-A-1 MS) and (280-197430-A-1 MSD). The reporting limits (RLs) have been adjusted proportionately.

Due to the matrix being a low density rocky powder, an initial volume of three grams instead of fifteen grams was used for the following samples, which deviated from the standard procedure in order to prevent venting and microwave equipment damage in preparation batch 280-669596: Sample D-312 (280-197430-2). The reporting limits (RLs) have been adjusted proportionately.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 280-669596 and analytical batch 280-669844 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The surrogate o-Terphenyl in the CCV for analytical batch 280-669997 recovered high outside of acceptance limits. The recovery is within acceptance criteria for the associated samples; therefore, data is being reported.

Method 9056A - Anions, Ion Chromatography - Soluble
Samples Sample B-344 (280-197430-1), Sample D-312 (280-197430-2), Sample A-585 (280-197430-3) and Sample A-611 (280-197430-4) were analyzed for Anions, Ion Chromatography - Soluble. The samples were leached on 10/8/2024 and analyzed on 10/9/2024.

Method Moisture - Percent Moisture
Samples Sample B-344 (280-197430-1), Sample D-312 (280-197430-2), Sample A-585 (280-197430-3) and Sample A-611 (280-197430-4) were analyzed for Percent Moisture. The samples were analyzed on 10/3/2024.

Detection Summary

Client: Wapiti Operating LLC
Project/Site: Pit Samples

Job ID: 280-197430-1

Client Sample ID: Sample B-344 — Lab Sample ID: 280-197430-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (GRO)-C6-C10	20		1.8		mg/Kg	1		8015D	Total/NA
Diesel Range Organics [C10-C28]	170	F1	24		mg/Kg	1		8015D	Total/NA
Motor Oil (C20-C38) - RA	74		72		mg/Kg	1		8015D	Total/NA
Chloride	35		30		mg/Kg	1		9056A	Soluble

Client Sample ID: Sample D-312 — Lab Sample ID: 280-197430-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (GRO)-C6-C10	33		1.7		mg/Kg	1		8015D	Total/NA
Diesel Range Organics [C10-C28]	250		39		mg/Kg	1		8015D	Total/NA
Chloride	37		30		mg/Kg	1		9056A	Soluble

Client Sample ID: Sample A-585 — Lab Sample ID: 280-197430-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (GRO)-C6-C10	31		1.8		mg/Kg	1		8015D	Total/NA
Diesel Range Organics [C10-C28]	200		21		mg/Kg	1		8015D	Total/NA
Motor Oil (C20-C38) - RA	130		62		mg/Kg	1		8015D	Total/NA
Chloride	750		30		mg/Kg	1		9056A	Soluble

Client Sample ID: Sample A-611 — Lab Sample ID: 280-197430-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	0.79		0.20		mg/Kg	1		8260D	Total/NA
o-Xylene	0.22		0.10		mg/Kg	1		8260D	Total/NA
Toluene	0.52		0.20		mg/Kg	1		8260D	Total/NA
Xylenes, Total	1.0		0.20		mg/Kg	1		8260D	Total/NA
Gasoline Range Organics (GRO)-C6-C10	2.2		2.0		mg/Kg	1		8015D	Total/NA
Diesel Range Organics [C10-C28]	120		20		mg/Kg	1		8015D	Total/NA
Chloride	140		30		mg/Kg	1		9056A	Soluble

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Wapiti Operating LLC
Project/Site: Pit Samples

Job ID: 280-197430-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET DEN
8015D	Gasoline Range Organics (GRO) (GC)	SW846	EET DEN
8015D	Diesel Range Organics (DRO) (GC)	SW846	EET DEN
9056A	Anions, Ion Chromatography	SW846	EET DEN
Moisture	Percent Moisture	EPA	EET DEN
3546	Microwave Extraction	SW846	EET DEN
5035	Closed System Purge and Trap	SW846	EET DEN
DI Leach	Deionized Water Leaching Procedure	ASTM	EET DEN

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: Wapiti Operating LLC
Project/Site: Pit Samples

Job ID: 280-197430-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-197430-1	Sample B-344	Solid	10/01/24 12:00	10/02/24 10:11
280-197430-2	Sample D-312	Solid	10/01/24 13:00	10/02/24 10:11
280-197430-3	Sample A-585	Solid	10/01/24 14:00	10/02/24 10:11
280-197430-4	Sample A-611	Solid	10/01/24 15:00	10/02/24 10:11

Client Sample Results

Client: Wapiti Operating LLC
Project/Site: Pit Samples

Job ID: 280-197430-1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Client Sample ID: Sample B-344
Date Collected: 10/01/24 12:00
Date Received: 10/02/24 10:11

Lab Sample ID: 280-197430-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0038		mg/Kg		10/01/24 12:00	10/04/24 15:38	1
Ethylbenzene	ND		0.0038		mg/Kg		10/01/24 12:00	10/04/24 15:38	1
m-Xylene & p-Xylene	ND		0.0019		mg/Kg		10/01/24 12:00	10/04/24 15:38	1
o-Xylene	ND		0.0019		mg/Kg		10/01/24 12:00	10/04/24 15:38	1
Toluene	ND		0.0038		mg/Kg		10/01/24 12:00	10/04/24 15:38	1
Xylenes, Total	ND		0.0038		mg/Kg		10/01/24 12:00	10/04/24 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*58 - 140*	*10/01/24 12:00*	*10/04/24 15:38*	*1*
4-Bromofluorobenzene (Surr)	*97*		*76 - 127*	*10/01/24 12:00*	*10/04/24 15:38*	*1*
Toluene-d8 (Surr)	*103*		*80 - 126*	*10/01/24 12:00*	*10/04/24 15:38*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 121*	*10/01/24 12:00*	*10/04/24 15:38*	*1*

Client Sample ID: Sample D-312
Date Collected: 10/01/24 13:00
Date Received: 10/02/24 10:11

Lab Sample ID: 280-197430-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0041		mg/Kg		10/01/24 13:00	10/04/24 15:58	1
Ethylbenzene	ND		0.0041		mg/Kg		10/01/24 13:00	10/04/24 15:58	1
m-Xylene & p-Xylene	ND		0.0020		mg/Kg		10/01/24 13:00	10/04/24 15:58	1
o-Xylene	ND		0.0020		mg/Kg		10/01/24 13:00	10/04/24 15:58	1
Toluene	ND		0.0041		mg/Kg		10/01/24 13:00	10/04/24 15:58	1
Xylenes, Total	ND		0.0041		mg/Kg		10/01/24 13:00	10/04/24 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*58 - 140*	*10/01/24 13:00*	*10/04/24 15:58*	*1*
4-Bromofluorobenzene (Surr)	*104*		*76 - 127*	*10/01/24 13:00*	*10/04/24 15:58*	*1*
Toluene-d8 (Surr)	*102*		*80 - 126*	*10/01/24 13:00*	*10/04/24 15:58*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 121*	*10/01/24 13:00*	*10/04/24 15:58*	*1*

Client Sample ID: Sample A-585
Date Collected: 10/01/24 14:00
Date Received: 10/02/24 10:11

Lab Sample ID: 280-197430-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0047		mg/Kg		10/01/24 14:00	10/04/24 16:17	1
Ethylbenzene	ND		0.0047		mg/Kg		10/01/24 14:00	10/04/24 16:17	1
m-Xylene & p-Xylene	ND		0.0024		mg/Kg		10/01/24 14:00	10/04/24 16:17	1
o-Xylene	ND		0.0024		mg/Kg		10/01/24 14:00	10/04/24 16:17	1
Toluene	ND		0.0047		mg/Kg		10/01/24 14:00	10/04/24 16:17	1
Xylenes, Total	ND		0.0047		mg/Kg		10/01/24 14:00	10/04/24 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*58 - 140*	*10/01/24 14:00*	*10/04/24 16:17*	*1*
4-Bromofluorobenzene (Surr)	*103*		*76 - 127*	*10/01/24 14:00*	*10/04/24 16:17*	*1*
Toluene-d8 (Surr)	*102*		*80 - 126*	*10/01/24 14:00*	*10/04/24 16:17*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 121*	*10/01/24 14:00*	*10/04/24 16:17*	*1*

Client Sample Results

Client: Wapiti Operating LLC
Project/Site: Pit Samples

Job ID: 280-197430-1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Client Sample ID: Sample A-611
Date Collected: 10/01/24 15:00
Date Received: 10/02/24 10:11

Lab Sample ID: 280-197430-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20		mg/Kg		10/01/24 15:00	10/08/24 17:58	1
Ethylbenzene	ND		0.20		mg/Kg		10/01/24 15:00	10/08/24 17:58	1
m-Xylene & p-Xylene	**0.79**		0.20		mg/Kg		10/01/24 15:00	10/08/24 17:58	1
o-Xylene	**0.22**		0.10		mg/Kg		10/01/24 15:00	10/08/24 17:58	1
Toluene	**0.52**		0.20		mg/Kg		10/01/24 15:00	10/08/24 17:58	1
Xylenes, Total	**1.0**		0.20		mg/Kg		10/01/24 15:00	10/08/24 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*52 - 135*	*10/01/24 15:00*	*10/08/24 17:58*	*1*
4-Bromofluorobenzene (Surr)	*103*		*65 - 135*	*10/01/24 15:00*	*10/08/24 17:58*	*1*
Toluene-d8 (Surr)	*100*		*65 - 135*	*10/01/24 15:00*	*10/08/24 17:58*	*1*
Dibromofluoromethane (Surr)	*98*		*65 - 135*	*10/01/24 15:00*	*10/08/24 17:58*	*1*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Client Sample ID: Sample B-344
Date Collected: 10/01/24 12:00
Date Received: 10/02/24 10:11

Lab Sample ID: 280-197430-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**20**		1.8		mg/Kg		10/01/24 12:00	10/15/24 02:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*144*	*S1+*	*77 - 123*	*10/01/24 12:00*	*10/15/24 02:11*	*1*

Client Sample ID: Sample D-312
Date Collected: 10/01/24 13:00
Date Received: 10/02/24 10:11

Lab Sample ID: 280-197430-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**33**		1.7		mg/Kg		10/01/24 13:00	10/15/24 02:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*210*	*S1+*	*77 - 123*	*10/01/24 13:00*	*10/15/24 02:33*	*1*

Client Sample ID: Sample A-585
Date Collected: 10/01/24 14:00
Date Received: 10/02/24 10:11

Lab Sample ID: 280-197430-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**31**		1.8		mg/Kg		10/01/24 14:00	10/15/24 02:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*199*	*S1+*	*77 - 123*	*10/01/24 14:00*	*10/15/24 02:55*	*1*

Client Sample ID: Sample A-611
Date Collected: 10/01/24 15:00
Date Received: 10/02/24 10:11

Lab Sample ID: 280-197430-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**2.2**		2.0		mg/Kg		10/14/24 13:10	10/15/24 16:20	1

Client Sample Results

Client: Wapiti Operating LLC
Project/Site: Pit Samples

Job ID: 280-197430-1

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	97		77 - 123	10/14/24 13:10	10/15/24 16:20	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Client Sample ID: Sample B-344
Date Collected: 10/01/24 12:00
Date Received: 10/02/24 10:11
Lab Sample ID: 280-197430-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	170	F1	24		mg/Kg		10/03/24 09:08	10/04/24 20:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	77		40 - 122	10/03/24 09:08	10/04/24 20:51	1

Client Sample ID: Sample D-312
Date Collected: 10/01/24 13:00
Date Received: 10/02/24 10:11
Lab Sample ID: 280-197430-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	250		39		mg/Kg		10/03/24 09:08	10/04/24 22:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	82		40 - 122	10/03/24 09:08	10/04/24 22:28	1

Client Sample ID: Sample A-585
Date Collected: 10/01/24 14:00
Date Received: 10/02/24 10:11
Lab Sample ID: 280-197430-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	200		21		mg/Kg		10/03/24 09:08	10/04/24 22:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	80		40 - 122	10/03/24 09:08	10/04/24 22:47	1

Client Sample ID: Sample A-611
Date Collected: 10/01/24 15:00
Date Received: 10/02/24 10:11
Lab Sample ID: 280-197430-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	120		20		mg/Kg		10/03/24 09:08	10/04/24 23:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	78		40 - 122	10/03/24 09:08	10/04/24 23:07	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC) - RA

Client Sample ID: Sample B-344
Date Collected: 10/01/24 12:00
Date Received: 10/02/24 10:11
Lab Sample ID: 280-197430-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil (C20-C38)	74		72		mg/Kg		10/03/24 09:08	10/07/24 22:23	1

Client Sample ID: Sample D-312
Date Collected: 10/01/24 13:00
Date Received: 10/02/24 10:11
Lab Sample ID: 280-197430-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil (C20-C38)	ND		120		mg/Kg		10/03/24 09:08	10/08/24 00:13	1

Client Sample Results

Client: Wapiti Operating LLC
Project/Site: Pit Samples

Job ID: 280-197430-1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC) - RA (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	99		40 - 122	10/03/24 09:08	10/08/24 00:13	1

Client Sample ID: Sample A-585
Date Collected: 10/01/24 14:00
Date Received: 10/02/24 10:11

Lab Sample ID: 280-197430-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil (C20-C38)	130		62		mg/Kg		10/03/24 09:08	10/08/24 00:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	97		40 - 122	10/03/24 09:08	10/08/24 00:35	1

Client Sample ID: Sample A-611
Date Collected: 10/01/24 15:00
Date Received: 10/02/24 10:11

Lab Sample ID: 280-197430-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil (C20-C38)	ND		61		mg/Kg		10/03/24 09:08	10/08/24 00:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	105		40 - 122	10/03/24 09:08	10/08/24 00:57	1

General Chemistry

Client Sample ID: Sample B-344
Date Collected: 10/01/24 12:00
Date Received: 10/02/24 10:11

Lab Sample ID: 280-197430-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	10.6		0.1		%			10/03/24 17:19	1
Percent Solids (EPA Moisture)	89.4		0.1		%			10/03/24 17:19	1

Client Sample ID: Sample D-312
Date Collected: 10/01/24 13:00
Date Received: 10/02/24 10:11

Lab Sample ID: 280-197430-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	7.4		0.1		%			10/03/24 17:19	1
Percent Solids (EPA Moisture)	92.6		0.1		%			10/03/24 17:19	1

Client Sample ID: Sample A-585
Date Collected: 10/01/24 14:00
Date Received: 10/02/24 10:11

Lab Sample ID: 280-197430-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	10.8		0.1		%			10/03/24 16:58	1
Percent Solids (EPA Moisture)	89.2		0.1		%			10/03/24 16:58	1

Client Sample ID: Sample A-611
Date Collected: 10/01/24 15:00
Date Received: 10/02/24 10:11

Lab Sample ID: 280-197430-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	9.1		0.1		%			10/03/24 17:19	1
Percent Solids (EPA Moisture)	90.9		0.1		%			10/03/24 17:19	1

Client Sample Results

Client: Wapiti Operating LLC
Project/Site: Pit Samples

Job ID: 280-197430-1

General Chemistry - Soluble

Client Sample ID: Sample B-344
Date Collected: 10/01/24 12:00
Date Received: 10/02/24 10:11

Lab Sample ID: 280-197430-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	35		30		mg/Kg			10/09/24 13:50	1

Client Sample ID: Sample D-312
Date Collected: 10/01/24 13:00
Date Received: 10/02/24 10:11

Lab Sample ID: 280-197430-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	37		30		mg/Kg			10/09/24 13:06	1

Client Sample ID: Sample A-585
Date Collected: 10/01/24 14:00
Date Received: 10/02/24 10:11

Lab Sample ID: 280-197430-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	750		30		mg/Kg			10/09/24 14:01	1

Client Sample ID: Sample A-611
Date Collected: 10/01/24 15:00
Date Received: 10/02/24 10:11

Lab Sample ID: 280-197430-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SW846 9056A)	140		30		mg/Kg			10/09/24 14:12	1

Surrogate Summary

Client: Wapiti Operating LLC
Project/Site: Pit Samples

Job ID: 280-197430-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(58-140)	(76-127)	(80-126)	(75-121)
280-197430-1	Sample B-344	102	97	103	97
280-197430-2	Sample D-312	106	104	102	102
280-197430-3	Sample A-585	105	103	102	98
LCS 280-669836/2-A	Lab Control Sample	101	106	100	102
LCSD 280-669836/3-A	Lab Control Sample Dup	104	106	99	99
MB 280-669836/1-A	Method Blank	102	100	96	100

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(52-135)	(65-135)	(65-135)	(65-135)
280-197430-4	Sample A-611	100	103	100	98
LCS 280-670146/2-A	Lab Control Sample	99	107	97	99
LCSD 280-670146/3-A	Lab Control Sample Dup	104	103	100	98
MB 280-670146/1-A	Method Blank	102	99	102	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		TFT1
Lab Sample ID	Client Sample ID	(77-123)
280-197430-1	Sample B-344	144 S1+
280-197430-2	Sample D-312	210 S1+
280-197430-3	Sample A-585	199 S1+
280-197430-4	Sample A-611	97
LCS 280-670982/1-A	Lab Control Sample	97
LCSD 280-670982/2-A	Lab Control Sample Dup	100
MB 280-670982/3-A	Method Blank	95

Surrogate Legend

TFT = a,a,a-Trifluorotoluene

Surrogate Summary

Client: Wapiti Operating LLC
Project/Site: Pit Samples

Job ID: 280-197430-1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)						
Lab Sample ID	Client Sample ID	OTPH (40-122)						
280-197430-1	Sample B-344	77						
280-197430-1 MS	Sample B-344	71						
280-197430-1 MS - RA	Sample B-344	90						
280-197430-1 MSD	Sample B-344	71						
280-197430-1 MSD - RA	Sample B-344	90						
280-197430-2	Sample D-312	82						
280-197430-2 - RA	Sample D-312	99						
280-197430-3	Sample A-585	80						
280-197430-3 - RA	Sample A-585	97						
280-197430-4	Sample A-611	78						
280-197430-4 - RA	Sample A-611	105						
LCS 280-669596/2-A	Lab Control Sample	61						
LCS 280-669596/3-A - RA	Lab Control Sample	90						
MB 280-669596/1-A	Method Blank	64						
MB 280-669596/1-A - RA	Method Blank	93						

Surrogate Legend

OTPH = o-Terphenyl

QC Sample Results

Client: Wapiti Operating LLC
Project/Site: Pit Samples

Job ID: 280-197430-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 280-669836/1-A
Matrix: Solid
Analysis Batch: 669781

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 669836

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0050		mg/Kg		10/04/24 07:00	10/04/24 12:00	1
Ethylbenzene	ND		0.0050		mg/Kg		10/04/24 07:00	10/04/24 12:00	1
m-Xylene & p-Xylene	ND		0.0025		mg/Kg		10/04/24 07:00	10/04/24 12:00	1
o-Xylene	ND		0.0025		mg/Kg		10/04/24 07:00	10/04/24 12:00	1
Toluene	ND		0.0050		mg/Kg		10/04/24 07:00	10/04/24 12:00	1
Xylenes, Total	ND		0.0050		mg/Kg		10/04/24 07:00	10/04/24 12:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*58 - 140*	*10/04/24 07:00*	*10/04/24 12:00*	*1*
4-Bromofluorobenzene (Surr)	*100*		*76 - 127*	*10/04/24 07:00*	*10/04/24 12:00*	*1*
Toluene-d8 (Surr)	*96*		*80 - 126*	*10/04/24 07:00*	*10/04/24 12:00*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 121*	*10/04/24 07:00*	*10/04/24 12:00*	*1*

Lab Sample ID: LCS 280-669836/2-A
Matrix: Solid
Analysis Batch: 669781

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 669836

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0500	0.0555		mg/Kg		111	75 - 135
Ethylbenzene	0.0500	0.0594		mg/Kg		119	73 - 125
m-Xylene & p-Xylene	0.0500	0.0607		mg/Kg		121	77 - 135
o-Xylene	0.0500	0.0564		mg/Kg		113	75 - 135
Toluene	0.0500	0.0551		mg/Kg		110	77 - 122
Xylenes, Total	0.100	0.117		mg/Kg		117	76 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*58 - 140*
4-Bromofluorobenzene (Surr)	*106*		*76 - 127*
Toluene-d8 (Surr)	*100*		*80 - 126*
Dibromofluoromethane (Surr)	*102*		*75 - 121*

Lab Sample ID: LCSD 280-669836/3-A
Matrix: Solid
Analysis Batch: 669781

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 669836

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.0500	0.0510		mg/Kg		102	75 - 135	8	20
Ethylbenzene	0.0500	0.0520		mg/Kg		104	73 - 125	13	20
m-Xylene & p-Xylene	0.0500	0.0532		mg/Kg		106	77 - 135	13	20
o-Xylene	0.0500	0.0504		mg/Kg		101	75 - 135	11	20
Toluene	0.0500	0.0506		mg/Kg		101	77 - 122	8	20
Xylenes, Total	0.100	0.104		mg/Kg		104	76 - 135	12	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*58 - 140*
4-Bromofluorobenzene (Surr)	*106*		*76 - 127*
Toluene-d8 (Surr)	*99*		*80 - 126*

QC Sample Results

Client: Wapiti Operating LLC
Project/Site: Pit Samples

Job ID: 280-197430-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 280-669836/3-A
Matrix: Solid
Analysis Batch: 669781

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 669836

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane (Surr)	*99*		*75 - 121*

Lab Sample ID: MB 280-670146/1-A
Matrix: Solid
Analysis Batch: 670180

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670146

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.25		mg/Kg		10/08/24 07:00	10/08/24 12:23	1
Ethylbenzene	ND		0.25		mg/Kg		10/08/24 07:00	10/08/24 12:23	1
m-Xylene & p-Xylene	ND		0.25		mg/Kg		10/08/24 07:00	10/08/24 12:23	1
o-Xylene	ND		0.13		mg/Kg		10/08/24 07:00	10/08/24 12:23	1
Toluene	ND		0.25		mg/Kg		10/08/24 07:00	10/08/24 12:23	1
Xylenes, Total	ND		0.25		mg/Kg		10/08/24 07:00	10/08/24 12:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*102*		*52 - 135*	*10/08/24 07:00*	*10/08/24 12:23*	*1*
4-Bromofluorobenzene (Surr)	*99*		*65 - 135*	*10/08/24 07:00*	*10/08/24 12:23*	*1*
Toluene-d8 (Surr)	*102*		*65 - 135*	*10/08/24 07:00*	*10/08/24 12:23*	*1*
Dibromofluoromethane (Surr)	*98*		*65 - 135*	*10/08/24 07:00*	*10/08/24 12:23*	*1*

Lab Sample ID: LCS 280-670146/2-A
Matrix: Solid
Analysis Batch: 670180

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	2.50	2.52		mg/Kg		101	65 - 135
Ethylbenzene	2.50	2.60		mg/Kg		104	65 - 135
m-Xylene & p-Xylene	2.50	2.65		mg/Kg		106	65 - 135
o-Xylene	2.50	2.44		mg/Kg		98	65 - 135
Toluene	2.50	2.50		mg/Kg		100	65 - 135
Xylenes, Total	5.00	5.09		mg/Kg		102	65 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*99*		*52 - 135*
4-Bromofluorobenzene (Surr)	*107*		*65 - 135*
Toluene-d8 (Surr)	*97*		*65 - 135*
Dibromofluoromethane (Surr)	*99*		*65 - 135*

Lab Sample ID: LCSD 280-670146/3-A
Matrix: Solid
Analysis Batch: 670180

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 670146

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	2.50	2.73		mg/Kg		109	65 - 135	8	20
Ethylbenzene	2.50	2.74		mg/Kg		109	65 - 135	5	20
m-Xylene & p-Xylene	2.50	2.82		mg/Kg		113	65 - 135	6	23
o-Xylene	2.50	2.62		mg/Kg		105	65 - 135	7	20
Toluene	2.50	2.61		mg/Kg		104	65 - 135	4	20

QC Sample Results

Client: Wapiti Operating LLC
Project/Site: Pit Samples

Job ID: 280-197430-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 280-670146/3-A
Matrix: Solid
Analysis Batch: 670180

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 670146

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Xylenes, Total			5.00	5.44		mg/Kg		109	65 - 135	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*52 - 135*
4-Bromofluorobenzene (Surr)	*103*		*65 - 135*
Toluene-d8 (Surr)	*100*		*65 - 135*
Dibromofluoromethane (Surr)	*98*		*65 - 135*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 280-670982/3-A
Matrix: Solid
Analysis Batch: 670980

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670982

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		2.0		mg/Kg		10/14/24 18:53	10/15/24 01:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*95*		*77 - 123*	*10/14/24 18:53*	*10/15/24 01:50*	*1*

Lab Sample ID: LCS 280-670982/1-A
Matrix: Solid
Analysis Batch: 670980

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670982

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			9.99	8.65		mg/Kg		87	75 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*97*		*77 - 123*

Lab Sample ID: LCSD 280-670982/2-A
Matrix: Solid
Analysis Batch: 670980

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 670982

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			9.99	9.66		mg/Kg		97	75 - 135	11	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*100*		*77 - 123*

QC Sample Results

Client: Wapiti Operating LLC
Project/Site: Pit Samples

Job ID: 280-197430-1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 280-669596/1-A
Matrix: Solid
Analysis Batch: 669844

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 669596

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.0		mg/Kg		10/03/24 09:08	10/04/24 19:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*64*		*40 - 122*	*10/03/24 09:08*	*10/04/24 19:53*	*1*

Lab Sample ID: LCS 280-669596/2-A
Matrix: Solid
Analysis Batch: 669844

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 669596

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	133	93.4		mg/Kg		70	40 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*61*		*40 - 122*

Lab Sample ID: 280-197430-1 MS
Matrix: Solid
Analysis Batch: 669844

Client Sample ID: Sample B-344
Prep Type: Total/NA
Prep Batch: 669596

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	170	F1	392	325	F1	mg/Kg		39	40 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*71*		*40 - 122*

Lab Sample ID: 280-197430-1 MSD
Matrix: Solid
Analysis Batch: 669844

Client Sample ID: Sample B-344
Prep Type: Total/NA
Prep Batch: 669596

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	170	F1	351	314		mg/Kg		41	40 - 120	4	23

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*71*		*40 - 122*

Method: 8015D - Diesel Range Organics (DRO) (GC) - RA

Lab Sample ID: MB 280-669596/1-A
Matrix: Solid
Analysis Batch: 669997

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 669596

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil (C20-C38) - RA	ND		24		mg/Kg		10/03/24 09:08	10/07/24 21:17	1

QC Sample Results

Client: Wapiti Operating LLC
Project/Site: Pit Samples

Job ID: 280-197430-1

Method: 8015D - Diesel Range Organics (DRO) (GC) - RA (Continued)

Lab Sample ID: MB 280-669596/1-A
Matrix: Solid
Analysis Batch: 669997

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 669596

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl - RA	93		40 - 122	10/03/24 09:08	10/07/24 21:17	1

Lab Sample ID: LCS 280-669596/3-A
Matrix: Solid
Analysis Batch: 669997

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 669596

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Motor Oil (C20-C38) - RA	334	194		mg/Kg		58	48 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl - RA	90		40 - 122

Lab Sample ID: 280-197430-1 MS
Matrix: Solid
Analysis Batch: 669997

Client Sample ID: Sample B-344
Prep Type: Total/NA
Prep Batch: 669596

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Motor Oil (C20-C38) - RA	74		865	659		mg/Kg		68	48 - 122

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl - RA	90		40 - 122

Lab Sample ID: 280-197430-1 MSD
Matrix: Solid
Analysis Batch: 669997

Client Sample ID: Sample B-344
Prep Type: Total/NA
Prep Batch: 669596

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Motor Oil (C20-C38) - RA	74		865	613		mg/Kg		62	48 - 122	7	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl - RA	90		40 - 122

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MRL 280-670295/3
Matrix: Solid
Analysis Batch: 670295

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5.00	4.97		mg/L		99	50 - 150

Lab Sample ID: MB 280-670194/3-A
Matrix: Solid
Analysis Batch: 670295

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		30		mg/Kg			10/09/24 12:55	1

QC Sample Results

Client: Wapiti Operating LLC
Project/Site: Pit Samples

Job ID: 280-197430-1

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 280-670194/1-A
Matrix: Solid
Analysis Batch: 670295

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			1000	965		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 280-670194/2-A
Matrix: Solid
Analysis Batch: 670295

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			1000	967		mg/Kg		97	90 - 110	0	10

Lab Sample ID: 280-197430-2 MS
Matrix: Solid
Analysis Batch: 670295

Client Sample ID: Sample D-312
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	37		498	539		mg/Kg		101	80 - 120		

Lab Sample ID: 280-197430-2 MSD
Matrix: Solid
Analysis Batch: 670295

Client Sample ID: Sample D-312
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	37		498	540		mg/Kg		101	80 - 120	0	20

Lab Sample ID: 280-197430-2 DU
Matrix: Solid
Analysis Batch: 670295

Client Sample ID: Sample D-312
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chloride	37			37.5		mg/Kg				0.2	10

QC Association Summary

Client: Wapiti Operating LLC
Project/Site: Pit Samples

Job ID: 280-197430-1

GC/MS VOA

Analysis Batch: 669781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197430-1	Sample B-344	Total/NA	Solid	8260D	669836
280-197430-2	Sample D-312	Total/NA	Solid	8260D	669836
280-197430-3	Sample A-585	Total/NA	Solid	8260D	669836
MB 280-669836/1-A	Method Blank	Total/NA	Solid	8260D	669836
LCS 280-669836/2-A	Lab Control Sample	Total/NA	Solid	8260D	669836
LCSD 280-669836/3-A	Lab Control Sample Dup	Total/NA	Solid	8260D	669836

Prep Batch: 669836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197430-1	Sample B-344	Total/NA	Solid	5035	
280-197430-2	Sample D-312	Total/NA	Solid	5035	
280-197430-3	Sample A-585	Total/NA	Solid	5035	
MB 280-669836/1-A	Method Blank	Total/NA	Solid	5035	
LCS 280-669836/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 280-669836/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 670146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197430-4	Sample A-611	Total/NA	Solid	5035	
MB 280-670146/1-A	Method Blank	Total/NA	Solid	5035	
LCS 280-670146/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 280-670146/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 670180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197430-4	Sample A-611	Total/NA	Solid	8260D	670146
MB 280-670146/1-A	Method Blank	Total/NA	Solid	8260D	670146
LCS 280-670146/2-A	Lab Control Sample	Total/NA	Solid	8260D	670146
LCSD 280-670146/3-A	Lab Control Sample Dup	Total/NA	Solid	8260D	670146

GC VOA

Analysis Batch: 670980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197430-1	Sample B-344	Total/NA	Solid	8015D	670982
280-197430-2	Sample D-312	Total/NA	Solid	8015D	670982
280-197430-3	Sample A-585	Total/NA	Solid	8015D	670982
MB 280-670982/3-A	Method Blank	Total/NA	Solid	8015D	670982
LCS 280-670982/1-A	Lab Control Sample	Total/NA	Solid	8015D	670982
LCSD 280-670982/2-A	Lab Control Sample Dup	Total/NA	Solid	8015D	670982

Prep Batch: 670982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197430-1	Sample B-344	Total/NA	Solid	5035	
280-197430-2	Sample D-312	Total/NA	Solid	5035	
280-197430-3	Sample A-585	Total/NA	Solid	5035	
MB 280-670982/3-A	Method Blank	Total/NA	Solid	5035	
LCS 280-670982/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 280-670982/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

QC Association Summary

Client: Wapiti Operating LLC
Project/Site: Pit Samples

Job ID: 280-197430-1

GC VOA

Prep Batch: 671097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197430-4	Sample A-611	Total/NA	Solid	5035	

Analysis Batch: 671136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197430-4	Sample A-611	Total/NA	Solid	8015D	671097

GC Semi VOA

Prep Batch: 669596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197430-1	Sample B-344	Total/NA	Solid	3546	
280-197430-1 - RA	Sample B-344	Total/NA	Solid	3546	
280-197430-2	Sample D-312	Total/NA	Solid	3546	
280-197430-2 - RA	Sample D-312	Total/NA	Solid	3546	
280-197430-3	Sample A-585	Total/NA	Solid	3546	
280-197430-3 - RA	Sample A-585	Total/NA	Solid	3546	
280-197430-4	Sample A-611	Total/NA	Solid	3546	
280-197430-4 - RA	Sample A-611	Total/NA	Solid	3546	
MB 280-669596/1-A	Method Blank	Total/NA	Solid	3546	
MB 280-669596/1-A - RA	Method Blank	Total/NA	Solid	3546	
LCS 280-669596/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 280-669596/3-A - RA	Lab Control Sample	Total/NA	Solid	3546	
280-197430-1 MS	Sample B-344	Total/NA	Solid	3546	
280-197430-1 MS - RA	Sample B-344	Total/NA	Solid	3546	
280-197430-1 MSD	Sample B-344	Total/NA	Solid	3546	
280-197430-1 MSD - RA	Sample B-344	Total/NA	Solid	3546	

Analysis Batch: 669844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197430-1	Sample B-344	Total/NA	Solid	8015D	669596
280-197430-2	Sample D-312	Total/NA	Solid	8015D	669596
280-197430-3	Sample A-585	Total/NA	Solid	8015D	669596
280-197430-4	Sample A-611	Total/NA	Solid	8015D	669596
MB 280-669596/1-A	Method Blank	Total/NA	Solid	8015D	669596
LCS 280-669596/2-A	Lab Control Sample	Total/NA	Solid	8015D	669596
280-197430-1 MS	Sample B-344	Total/NA	Solid	8015D	669596
280-197430-1 MSD	Sample B-344	Total/NA	Solid	8015D	669596

Analysis Batch: 669997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197430-1 - RA	Sample B-344	Total/NA	Solid	8015D	669596
280-197430-2 - RA	Sample D-312	Total/NA	Solid	8015D	669596
280-197430-3 - RA	Sample A-585	Total/NA	Solid	8015D	669596
280-197430-4 - RA	Sample A-611	Total/NA	Solid	8015D	669596
MB 280-669596/1-A - RA	Method Blank	Total/NA	Solid	8015D	669596
LCS 280-669596/3-A - RA	Lab Control Sample	Total/NA	Solid	8015D	669596
280-197430-1 MS - RA	Sample B-344	Total/NA	Solid	8015D	669596
280-197430-1 MSD - RA	Sample B-344	Total/NA	Solid	8015D	669596

QC Association Summary

Client: Wapiti Operating LLC
Project/Site: Pit Samples

Job ID: 280-197430-1

General Chemistry

Analysis Batch: 669737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197430-1	Sample B-344	Total/NA	Solid	Moisture	
280-197430-2	Sample D-312	Total/NA	Solid	Moisture	
280-197430-3	Sample A-585	Total/NA	Solid	Moisture	
280-197430-4	Sample A-611	Total/NA	Solid	Moisture	

Leach Batch: 670194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197430-1	Sample B-344	Soluble	Solid	DI Leach	
280-197430-2	Sample D-312	Soluble	Solid	DI Leach	
280-197430-3	Sample A-585	Soluble	Solid	DI Leach	
280-197430-4	Sample A-611	Soluble	Solid	DI Leach	
MB 280-670194/3-A	Method Blank	Soluble	Solid	DI Leach	
LCS 280-670194/1-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 280-670194/2-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
280-197430-2 MS	Sample D-312	Soluble	Solid	DI Leach	
280-197430-2 MSD	Sample D-312	Soluble	Solid	DI Leach	
280-197430-2 DU	Sample D-312	Soluble	Solid	DI Leach	

Analysis Batch: 670295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-197430-1	Sample B-344	Soluble	Solid	9056A	670194
280-197430-2	Sample D-312	Soluble	Solid	9056A	670194
280-197430-3	Sample A-585	Soluble	Solid	9056A	670194
280-197430-4	Sample A-611	Soluble	Solid	9056A	670194
MB 280-670194/3-A	Method Blank	Soluble	Solid	9056A	670194
LCS 280-670194/1-A	Lab Control Sample	Soluble	Solid	9056A	670194
LCSD 280-670194/2-A	Lab Control Sample Dup	Soluble	Solid	9056A	670194
MRL 280-670295/3	Lab Control Sample	Total/NA	Solid	9056A	
280-197430-2 MS	Sample D-312	Soluble	Solid	9056A	670194
280-197430-2 MSD	Sample D-312	Soluble	Solid	9056A	670194
280-197430-2 DU	Sample D-312	Soluble	Solid	9056A	670194

Lab Chronicle

Client: Wapiti Operating LLC
Project/Site: Pit Samples

Job ID: 280-197430-1

Client Sample ID: Sample B-344
Date Collected: 10/01/24 12:00
Date Received: 10/02/24 10:11

Lab Sample ID: 280-197430-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.608 g	5 mL	669836	10/01/24 12:00	JLS	EET DEN
Total/NA	Analysis	8260D		1	5 g	5 mL	669781	10/04/24 15:38	JLS	EET DEN
Total/NA	Prep	5035			5.569 g	5 mL	670982	10/01/24 12:00	CCF	EET DEN
Total/NA	Analysis	8015D		1	0.1 mL	5 mL	670980	10/15/24 02:11	CCF	EET DEN
Total/NA	Prep	3546			5.0 g	1 mL	669596	10/03/24 09:08	JC	EET DEN
Total/NA	Analysis	8015D		1			669844	10/04/24 20:51	LKB	EET DEN
Total/NA	Prep	3546	RA		5.0 g	1 mL	669596	10/03/24 09:08	JC	EET DEN
Total/NA	Analysis	8015D	RA	1			669997	10/07/24 22:23	LKB	EET DEN
Soluble	Leach	DI Leach			10.00 g	100 mL	670194	10/08/24 15:04	IRC	EET DEN
Soluble	Analysis	9056A		1	10 mL	10 mL	670295	10/09/24 13:50	EJS	EET DEN
Total/NA	Analysis	Moisture		1			669737	10/03/24 17:19	AKF	EET DEN

Client Sample ID: Sample D-312
Date Collected: 10/01/24 13:00
Date Received: 10/02/24 10:11

Lab Sample ID: 280-197430-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.149 g	5 mL	669836	10/01/24 13:00	JLS	EET DEN
Total/NA	Analysis	8260D		1	5 g	5 mL	669781	10/04/24 15:58	JLS	EET DEN
Total/NA	Prep	5035			5.739 g	5 mL	670982	10/01/24 13:00	CCF	EET DEN
Total/NA	Analysis	8015D		1	0.1 mL	5 mL	670980	10/15/24 02:33	CCF	EET DEN
Total/NA	Prep	3546			3.1 g	1 mL	669596	10/03/24 09:08	JC	EET DEN
Total/NA	Analysis	8015D		1			669844	10/04/24 22:28	LKB	EET DEN
Total/NA	Prep	3546	RA		3.1 g	1 mL	669596	10/03/24 09:08	JC	EET DEN
Total/NA	Analysis	8015D	RA	1			669997	10/08/24 00:13	LKB	EET DEN
Soluble	Leach	DI Leach			9.98 g	100 mL	670194	10/08/24 15:04	IRC	EET DEN
Soluble	Analysis	9056A		1	10 mL	10 mL	670295	10/09/24 13:06	EJS	EET DEN
Total/NA	Analysis	Moisture		1			669737	10/03/24 17:19	AKF	EET DEN

Client Sample ID: Sample A-585
Date Collected: 10/01/24 14:00
Date Received: 10/02/24 10:11

Lab Sample ID: 280-197430-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.282 g	5 mL	669836	10/01/24 14:00	JLS	EET DEN
Total/NA	Analysis	8260D		1	5 g	5 mL	669781	10/04/24 16:17	JLS	EET DEN
Total/NA	Prep	5035			5.445 g	5 mL	670982	10/01/24 14:00	CCF	EET DEN
Total/NA	Analysis	8015D		1	0.1 mL	5 mL	670980	10/15/24 02:55	CCF	EET DEN
Total/NA	Prep	3546			5.8 g	1 mL	669596	10/03/24 09:08	JC	EET DEN
Total/NA	Analysis	8015D		1			669844	10/04/24 22:47	LKB	EET DEN
Total/NA	Prep	3546	RA		5.8 g	1 mL	669596	10/03/24 09:08	JC	EET DEN
Total/NA	Analysis	8015D	RA	1			669997	10/08/24 00:35	LKB	EET DEN
Soluble	Leach	DI Leach			10.01 g	100 mL	670194	10/08/24 15:04	IRC	EET DEN
Soluble	Analysis	9056A		1	10 mL	10 mL	670295	10/09/24 14:01	EJS	EET DEN
Total/NA	Analysis	Moisture		1			669737	10/03/24 16:58	AKF	EET DEN

Lab Chronicle

Client: Wapiti Operating LLC
Project/Site: Pit Samples

Job ID: 280-197430-1

Client Sample ID: Sample A-611

Date Collected: 10/01/24 15:00
Date Received: 10/02/24 10:11

Lab Sample ID: 280-197430-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.201 g	5 mL	670146	10/01/24 15:00	JLS	EET DEN
Total/NA	Analysis	8260D		1	0.1 mL	5 mL	670180	10/08/24 17:58	JLS	EET DEN
Total/NA	Prep	5035			4.885 g	5 mL	671097	10/14/24 13:10	SJD	EET DEN
Total/NA	Analysis	8015D		1	0.1 mL	5 mL	671136	10/15/24 16:20	SJD	EET DEN
Total/NA	Prep	3546			5.9 g	1 mL	669596	10/03/24 09:08	JC	EET DEN
Total/NA	Analysis	8015D		1			669844	10/04/24 23:07	LKB	EET DEN
Total/NA	Prep	3546	RA		5.9 g	1 mL	669596	10/03/24 09:08	JC	EET DEN
Total/NA	Analysis	8015D	RA	1			669997	10/08/24 00:57	LKB	EET DEN
Soluble	Leach	DI Leach			10.02 g	100 mL	670194	10/08/24 15:04	IRC	EET DEN
Soluble	Analysis	9056A		1	10 mL	10 mL	670295	10/09/24 14:12	EJS	EET DEN
Total/NA	Analysis	Moisture		1			669737	10/03/24 17:19	AKF	EET DEN

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Accreditation/Certification Summary

Client: Wapiti Operating LLC
Project/Site: Pit Samples

Job ID: 280-197430-1

Laboratory: Eurofins Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	2907.01	10-31-25
A2LA	ISO/IEC 17025	2907.01	10-31-25
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	11-30-25
Arizona	State	AZ0713	12-20-24
Arkansas DEQ	State	19-047-0	04-21-25
California	State	2513	01-08-25
Colorado	Petroleum Storage Tank Program	4025 (or)	01-08-25
Colorado	State	CO00026	06-30-25
Connecticut	State	PH-0686	09-30-24 *
Florida	NELAP	E87667-57	06-30-25
Georgia	State	4025-011	01-08-25
Illinois	NELAP	2000172024-9	05-31-25
Iowa	State	370	12-01-24
Kansas	NELAP	E-10166	04-30-25
Kentucky (WW)	State	KY98047	12-31-24
Louisiana	NELAP	30785	06-30-14 *
Louisiana (All)	NELAP	30785	06-30-25
Minnesota	NELAP	1788752	12-31-24
Nevada	State	CO000262024-08	07-31-25
New Hampshire	NELAP	2053	04-28-25
New Jersey	NELAP	230001	06-30-25
New York	NELAP	59923	04-01-25
North Dakota	State	R-034	01-08-25
Oregon	NELAP	4025	01-08-25
Pennsylvania	NELAP	013	07-31-25
South Carolina	State	72002001	01-08-24 *
Texas	NELAP	TX104704183-08-TX	09-30-09 *
Texas	NELAP	T104704183	09-30-25
US Fish & Wildlife	US Federal Programs	058448	07-31-25
USDA	US Federal Programs	P330-20-00065	12-19-25
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO00026	07-31-25
Virginia	NELAP	460232	06-14-25
Washington	State	C583	08-03-25
West Virginia DEP	State	354	11-30-24
Wisconsin	State	999615430	08-31-25
Wyoming (UST)	A2LA	2907.01	10-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Denver
4955 Yarrow Street
Arvada, CO 80002
Phone (303) 736-0100 Fax (303) 431-7171

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Randy L. Madison	Lab PM: McCabe, Shelby R	Carrier T
Client Contact: Mr. Randy Madison	Phone: 575-445-6706	E-Mail: shelby.mccabe@et.eurofinsus.com	

Company: Wapiti Operating, LLC

Address: P.O. Box 190 309 Silver Street
City: Raton
State, Zip: NM, 87740
Phone: 575-445-6706(Tel)
Email: rmadison@wapitienergy.com
Project Name: ~~Produced Water Spill~~ Pit Samples
Site: B-344, D-312, A-585 A-611

Due Date Requested:
TAT Requested (days):
PO #: Purchase Order not Required
WO #:
Project #: ~~20020400~~
SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9056A_28D - Chloride	8015D_DRO - DRO / MRO	8015D_GRO - GRO	8260D - BTEX	% Moisture	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	F	N	N		
Sample B344	10/1/24	1200	C	S			X	X	X	X	X		
Sample D-312	10/1/24	1300	C	S			X	X	X	X	X		
Sample A-585	10/1/24	1400	C	S			X	X	X	X	X		
Sample A-611	10/1/24	1500	C	S			X	X	X	X	X		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Randy L. Madison		Wpt.		10/02/24 1011	SESDEN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 2.3°C fo IRTU

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Wapiti Operating LLC Job Number: 280-197430-1

Login Number: 197430 **List Source: Eurofins Denver**
List Number: 1
Creator: Little, Matthew L

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	False	Labels affixed to pre-tared terracore vials.
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Recording (Date - Time): 02/11/25 - 12:34:46 PM
COLFAX COUNTY, NM - Sara Torres - County Clerk
DOC# 202500426

WAPITI OPERATING LLC

COUNTY OF COLFAX
STATE OF NEW MEXICO

Date: February 11, 2025

PROOF OF DEED NOTICE

Wapiti Operating, LLC closed the following reserve pits on private lands in Colfax County, New Mexico:

1. VPR A 585
   a. Location: 36 Degrees - 58 Minutes – 47.16 Seconds North Latitude
      104 Degrees – 49 Minutes – 1.48 Seconds West Longitude
2. VPR A 611
   a. Location: 36 Degrees – 53 Minutes – 48.58 Seconds North Latitude
      104 Degrees – 43 Minutes – 48.03 Seconds West Longitude
3. VPR B 344
   a. Location: 36 Degrees – 46 Minutes – 6.43 Seconds North Latitude
      104 Degrees – 58 Minutes – 12.33 Seconds West Longitude
4. VPR D 312
   a. Location: 36 Degrees – 52 Minutes – 12.32 Seconds North Latitude
      105 Degrees – 3 Minutes – 3.95 Seconds West Longitude

Tucker Singleton
Landmanager
Wapiti Operating, LLC

ACKNOWLEDGMENT

THE STATE OF TEXAS §

COUNTY OF HARRIS §

This instrument was acknowledged before me on this 11th day of February, 2025, by Tucker Singleton, Landmanager for Wapiti Operating, LLC a Delaware limited company, on behalf of said company.

My Commission Expires:
10/03/2028

Yolanda L. Reid
Notary Public in and for the State of Texas

YOLANDA LYN REID
Notary Public, State of Texas
Comm. Expires 10-03-2028
Notary ID 3003298

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: Wapiti Operating, LLC 1251 Lumpkin Rd Houston, TX 77043	OGRID: 328741
	Action Number: 470597
	Action Type: [C-144] Temporary Pit Plan (C-144T)

CONDITIONS

Created By	Condition	Condition Date
joel.stone	None	6/13/2025