

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NCS1915538225
District RP	3RP-13664
Facility ID	fCS1916856802
Application ID	

Release Notification

Responsible Party

Responsible Party: Whiptail Midstream LLC	OGRID: 373240
Contact Name: Ernie Johnson	Contact Telephone: 918-289-2147
Contact email: ernie.johnson@whiptailmidstream.com	Incident #: NCS1915538225
Contact mailing address: 15 W. 6th Street, Suite 2901, Tulsa, OK 74119	

Location of Release Source

Latitude 36.217670° Longitude -107.513890°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: 208 Receiver	Site Type: Above-ground pipeline valve.
Date Release Discovered: 6/3/2019	API#: N/A

Unit Letter	Section	Township	Range	County
C	19	23N	6W	Sandoval County

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☒ Crude Oil	Volume Released (bbls): 12 47	Volume Recovered (bbls): 0.25
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:

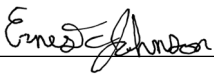
A valve installed on above ground piping had been opened by suspected cattle activity in the area.

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Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? The release migrated ~150ft SW from the point of origin down-gradient into an ephemeral watercourse, impacting a portion of the watercourse along the inlet and outlet ends of a culvert installation installed underneath an adjacent roadway. Upon further investigation of the impacted area during on-going remediation efforts, the estimated amount of liquids released exceeds 25BBL; the re-evaluated estimated volume of the release has been updated in the "Nature and Volume of Release" section of this form.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notification was provided to the OCD by HRL Compliance Solutions (Gunnar Westerman – Project Lead) within 24hrs of discovering the release. Cory Smith (Environmental Specialist) was notified verbally and Jim Griswold (Environmental Bureau Chief) was notified by e-mail. "Emmanuel" Abiodun Adeboye (Natural Resource Specialist – BLM) was also notified verbally and by e-mail on 6/3/19.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

☒ The source of the release has been stopped. ☒ The impacted area has been secured to protect human health and the environment. ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. ☒ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Ernie Johnson</u>	Title: <u>Director of Risk and Engineering Services</u>
Signature: <u></u>	Date: <u>6/14/19</u>
email: <u>ernie.johnson@whiptailmidstream.com</u>	Telephone: <u>918-289-2147</u>
<u>OCD Only</u> Received by: _____ Date: _____	

Incident ID	NCS1915538225
District RP	3RP-13664
Facility ID	fCS1916856802
Application ID	

Closure

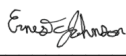
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Ernie Johnson Title: Director of Risk and Engineering Services

Signature:  Date: 8/29/19

email: ernie.johnson@whiptailmidstream.com Telephone: 918-289-2147

OCD Only

Received by: OCD Date: 9/5/19

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 10/2/19

Printed Name: Cory Title: Environmental Specialist

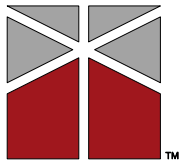


TABLE OF CONTENTS

LIST OF PHOTOGRAPHS.....	ii
LIST OF FIGURES	ii
LIST OF APPENDICES	ii
ACRONYM LIST	ii
EXECUTIVE SUMMARY	1
1.0 INTRODUCTION	2
1.1 RELEASE, INITIAL RESPONSE, AND REMEDIATION.....	3
1.2 PURPOSE OF REPORT	3
1.3 SCOPE AND LIMITATIONS	3
2.0 SITE CHARACTERIZATION	6
2.1 GENERAL SITE INFORMATION	6
2.1.1 Site Location.....	2
2.1.2 Site Description	6
2.1.3 Topography	6
2.1.4 Geology	6
2.1.5 Surface Water	6
2.1.6 Groundwater.....	7
2.1.7 Known Water Sources.....	7
2.1.8 Oil and Gas Production/Transfer/Storage Equipment	7
2.2 INVESTIGATION METHODS & Remediation	8
2.2.1 Confirmation Sampling	8
2.2.2 Soil Sampling Procedures	8
2.2.3 Sample Location Mapping.....	8
2.3 INVESTIGATION RESULTS	9
2.3.1 Soil Analytical Results.....	9
2.4 EVALUATION OF DATA AND DISCUSSION	11
2.4.1 NMOCD Closure Criteria for Soils Impacted by this Release	11
2.4.2 208 Receiver.....	11
3.0 RISK ASSESSMENT	12
3.1 POTENTIAL RECEPTOR EVALUATION	12
3.1.1 Human Receptors.....	12
3.1.2 Biological Receptors.....	12
3.1.3 Wells and Surface Water	12



4.0 REMEDIATION ASSESSMENT	12
4.1 REMEDIATION DRIVERS AND CLEANUP OBJECTIVES.....	12
4.2 RECOMMENDATION	13
5.0 CLOSURE	13
6.0 REFERENCES.....	14

LIST OF PHOTOGRAPHS

Photograph 1: Origin of Release – 6/3/19	
Photograph 2: Visual Impacts on Adjacent Hillside SE of 208 Receiver – 6/3/19	
Photograph 3: Visual Impacts on Adjacent Hillside SW of 208 Receiver – 6/3/19	
Photograph 4: Visual Impacts Up-Gradient from Drainage – 6/3/19	
Photograph 5: Visual Impacts to Drainage; Up-Gradient from Culverts – 6/3/19	
Photograph 6: Visual Impacts to Drainage; Down-Gradient from Culverts – 6/3/19	
Photograph 7: Remediated Area and Sample Grid Adjacent to Point of Origin – 6/19/19	
Photograph 8: Remediated Area and Sample Grid on Hillside SE of 208 Receiver – 6/19/19	
Photograph 9: Remediated Area and Sample Grid on Hillside SW of 208 Receiver – 6/19/19	
Photograph 10: Remediated Area and Sample Grid on Hillside SW of 208 Receiver – 6/19/19	
Photograph 11: Remediated Area and Sample Grid in Drainage; Up-Gradient – 6/19/19	
Photograph 12: Remediated Area and Sample Grid in Drainage; Down-Gradient – 6/19/19	
Photograph 13: Remediated Area and Sample Grid: SPF 2 - 6/28/19	
Photograph 14: Remediated Area and Sample Grid: SPF 21 - 6/28/19	
Photograph 15: Remediated Area and Sample Grid: SPF 34 and SW 13 - 6/28/19	
Photograph 16: Remediated Area and Sample Grid: SW 6 (SW Portion) - 6/28/19	
Photograph 17: Remediated Area and Sample Grid: SW 6 (SE Portion) - 6/28/19	
Photograph 18: Remediated Area and Sample Grid: SW 8 - 6/28/19	

LIST OF FIGURES

Figure 1: Site Location Map and Nearest Significant Watercourse	
Figure 2: Sample Location Map - Floor of Excavation (6/19/19)	
Figure 3: Sample Location Map – Side Walls of Excavation (6/19/19)	
Figure 4: Sample Location Map – Floor of Excavation (6/28/19)	
Figure 5: Sample Location Map – Side Walls of Excavation (6/28/19)	

LIST OF APPENDICES

Appendix A: Estimated Volume of Release Calculations	
Appendix B: Initial C-141	
Appendix C: Depth to Groundwater Analysis	
Appendix D: Floodplain Map	
Appendix E: Topographic Map of Spill Area	



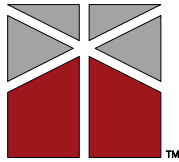
Appendix F: Lab Results and Chain of Custody

Appendix G: Field Notes

Appendix H: Photographs

ACRONYM LIST

bbl(s)	Barrel(s)
BLM	Bureau of Land Management
BTEX	Benzene, Toluene, Ethyl benzene, and Xylene
DRO	Diesel Range Organics
FFO	Farmington Field Office
GPS	Global positioning system
GRO	Gasoline Range Organics
mg/kg	milligram per kilogram
MRO	Motor Oil Range Organics
NELAP	National Environmental Laboratory Accreditation Program
NMAC	New Mexico Administrative Code
NMOCD	New Mexico Oil Conservation Division
NRCS	National Resources Conservation Service
ROW	Right of Way
TB	Tank Battery
TPH	Total Petroleum Hydrocarbons
USDA	United States Department of Agriculture
USGS	United States Geological Survey



EXECUTIVE SUMMARY

This report presents the methods and results of the site evaluation, remediation, and confirmation sampling conducted at the Whiptail Midstream 208 Receiver on June 19th, 2019 and June 28th, 2019 (NMOCD Incident #: NCS1915538225). The objective of the site evaluation was to determine the lateral and vertical extents of impacts resulting from an unintended release from the 208 Receiver valve setting discovered on June 3rd, 2019 and to aid in guiding remediation efforts. Confirmation sampling was conducted to ensure compliance with New Mexico Oil Conservation Division (NMOCD) rules 19.15.29.11-12 and that remaining soils are within NMOCD Table 1 thresholds for constituents of concern. This report is also intended to serve as a final closure report to obtain approval from NMOCD for closure of the release.

OVERVIEW:

- On June 3, 2019, a valve on the 208 Receiver had been turned by suspected cattle activity, thus opening the valve and releasing an estimated 47BBL of oil and impacting a portion of a significant watercourse as defined by NMOCD 19.15.17.7(P).
- Upon discovery, the source of the release was determined to be a valve that was secured by responding Whiptail personnel. Remedial actions were undertaken immediately upon discovery of the release to prevent further migration of impacts.
- Whiptail Midstream (Whiptail) contacted HRL Compliance Solutions (HRL) upon discovery of the release to assist with agency notifications, submit a certification of waste (Form C-138) for disposal of impacted material, characterize the release, develop and implement remediation efforts, conduct confirmation sampling, and obtain closure from NMOCD.

RECOMMENDATION:

Per the evaluation and discussion captured in Section 2.4 of this report, HRL recommends that no further action be taken in regards to this release. Certification of the accuracy of information on form C-141 and within this report is hereby submitted to NMOCD to obtain closure of the incident.



1.0 INTRODUCTION

1.1 RELEASE, INITIAL RESPONSE, AND REMEDIATION

On the morning of June 3rd, 2019, it was discovered that the valve on Whiptail's 208 Receiver was opened by suspected cattle activity in the area, resulting in a major release of an estimated 47 bbls of oil along the adjacent hillside and into an ephemeral drainage, impacting a small area of the channel adjacent to the near-by road/culvert crossing (located ~150ft to the SW of the 208 Receiver valve setting). The release was discovered at approximately 10:00am on June 3rd, 2019, at which time the valve that released the oil was secured by responding Whiptail personnel. Hand crews immediately began excavating and removing soils from the adjacent ephemeral drainage that were observed to be visually impacted or produced strong hydrocarbon odors. Upon the arrival of a backhoe tractor, a berm was constructed across the ephemeral drainage immediately up-gradient and down-gradient from the impacted portion of the drainage to temporarily isolate the impacted area should any surface water flow within the drainage. A hydro-vac unit and power washer were utilized to clean sections of the culvert that had accumulated oil during the initial release. Figure 1 illustrates the area visually impacted by the 208 Receiver Release. HRL completed and submitted a form C-138 with Envirotech, which was approved June 3rd, 2019. The contaminated material was removed offsite for proper disposal at Envirotech's Landfarm Facility.

The culvert discharge sections were temporarily removed in order to remediate the underlying soils below the culverts. Initial remediation efforts were primarily focused on the ephemeral drainage and then progressed in a north/northeast direction, towards the point of origin. Mechanical excavation of impacted soil was guided utilizing field screening equipment (Dexsil PetroFlag) and Photo Ionization Detector (PID)). The excavated area was secured with safety fencing and strategic placement of heavy equipment when no active excavation was occurring. Remediation efforts continued through June 25th, 2019.

On June 4, 2019 @ 8:00am, notification was provided to the NMOCD by HRL (Gunnar Westerman – Project Manager), satisfying the 24hr release notification requirement. Cory Smith (NMOCD - Environmental Specialist) was notified verbally and Jim Griswold (NMOCD - Environmental Bureau Chief) was notified via e-mail. "Emmanuel" Abiodun Adeloye (Natural Resource Specialist – BLM) was also notified verbally and by e-mail.

The initial C-141 Release Notification (Appendix B) was submitted via e-mail to NMOCD District III and Bureau of Land Management (BLM) Farmington Field Office (FFO) on June 14th, 2019 and a hard copy delivered in person to the NMOCD on June 17th, 2019. A hardcopy of the initial C-141 was mailed to the BLM FFO on June 25th, 2019.

The initial estimated volume of release reported on June 4, 2019 was calculated utilizing the approximate square footage of the visually impacted area and the average depth of heavy impacts observed at the point of origin and point of terminus, then extrapolating an estimated volume of saturated soils from this data to arrive at an estimated release volume of 12BBL. The



released volume estimate was re-calculated upon further remediation of the release utilizing the square footage of the remediated area, the average depth of the excavation, and comparing this information to the square footage of the initially impacted area, taking into account the several “islands” of clean material that were removed during the excavation/remediation process. The estimated volume released was revised from the original volume reported of 12BBL’s to 47BBL’s on the initial C-141 submitted to the NMOCD and BLM FFO. See Appendix A for the estimated release volume calculations.

1.2 PURPOSE OF REPORT

This report, which has been prepared for the exclusive use of Whiptail Midstream, presents a detailed description of the release response, notification, and remediation efforts documented by HRL Compliance Solutions. The objective of the report is to establish that remediation is complete, all applicable regulations were followed, and to serve as a final closure report to request approval from NMOCD for closure of the release that was discovered on June 3rd, 2019.

1.3 SCOPE AND LIMITATIONS

The scope of HRL’s services consists of characterizing the release, remediation oversight, verification of release stability, confirmation sampling, regulatory liaison, and preparation of this closure report. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the San Juan Basin in New Mexico.

Incident ID	NCS1915538225
District RP	3RP-13664
Facility ID	fCS1916856802
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Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>100</u> (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☒ Yes ☐ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release 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?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production, or storage site?	☒ Yes ☐ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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Printed Name: Ernie Johnson Title: Director of Risk and Engineering Services

Signature:  Date: 8/29/19

email: ernie.johnson@whiptailmidstream.com Telephone: 918-289-2147

OCD Only

Received by: _____ Date: _____



2.0 SITE CHARACTERIZATION

2.1 GENERAL SITE INFORMATION

The following information provides a brief outline of the site location and site conditions.

2.1.1 Site Location

The 208 Receiver is located on federally-owned land in Section 19, Township 23 North, Range 6 West in northwest Sandoval County. This location is within the San Juan Basin in northwest New Mexico. Figure 1 represents the area visually impacted by the 208 Receiver Release.

2.1.2 Site Description

The 208 Receiver site is typical for oil pipeline valve settings/receivers in the central portion of the San Juan Basin and northwest New Mexico. The pipeline associated with the 208 Receiver is utilized for transporting crude oil from production facilities to a central depository point for storage and distribution purposes. This closure report discusses the area adjacent to the 208 Receiver which is described as a hillside located up-gradient from an ephemeral drainage.

The surrounding landscape is comprised of primarily of sagebrush common to high desert climates. The adjacent federal lands are used almost exclusively for rangeland. It has an arid climate and annual mean precipitation ranging between 10-13 inches. Native vegetation is principally big sagebrush, rubber rabbitbrush, four-winged saltbush, greasewood, broom snakeweed, and various native and weedy forbs and grasses.

2.1.3 Topography

The 208 Receiver is located at an elevation of 7,000 feet above sea level on flat canyon bottom/valley.

2.1.4 Geology

According to the United States Department of Agriculture (USDA) Web Soil Survey, the soil geology at the 208 Receiver site is Sparank clay loam consisting of well drained soils comprised principally of silt clay with some clay loam. The soil profile is moderately saline with high moisture and moderate to low permeability and zero to one percent slopes.

2.1.5 Surface Water

No live surface water or perineal drainages are located near the 208 Receiver site. An ephemeral drainage located approximately 127 feet immediately down-gradient from the 208 Receiver valve, and was impacted by the release. The drainage is dry most of the year with seasonal flows. The impacted drainage is classified as a significant watercourse as defined in Subsection P of 19.15.17.7 NMAC. The drainage acts as a tributary to Blanco Wash approximately 10 miles northwest of the 208 Receiver Site.



2.1.6 Groundwater

Depth-to-groundwater at the release site is estimated to be 426 feet below ground surface as determined using the NM State Engineer's Office water column report. See Appendix C for additional information pertaining to the depth-to-groundwater determination.

2.1.7 Known Water Sources

There are no known water sources within a half mile of the release, including private and domestic water sources, such as wells, springs, and other sources of fresh water extraction.

2.1.8 Oil and Gas Production/Transfer/Storage Equipment

As the release occurred adjacent to a relatively isolated above ground valve on a pipeline ROW, areas impacted by the release were primarily located on the pipeline ROW, the adjacent rangeland/pasture, and within the near-by ephemeral wash.

Incident ID	NCS1915538225
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Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Ernie Johnson Title: Director of Risk and Engineering Services

Signature:  Date: 8/29/19

email: ernie.johnson@whiptailmidstream.com Telephone: 918-289-2174

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____



2.2 INVESTIGATION METHODS & REMEDIATION

The following information discusses the actions performed at the 208 Receiver Release as part of the evaluation and confirmation sampling activities conducted on June 19, 2019 through June 28, 2019.

2.2.1 Confirmation Sampling

Confirmation samples points were randomly selected utilizing a computer generated aerial sampling program within ArcGIS, which allows for equal spacing throughout the spill footprint, such that each composite sample was representative of no more than 200 square feet, which meets the NMOCD closure requirement outlined in Subparagraph (c) of Paragraph (1) of Subsection D in 19.15.29.12 NMAC. A 300ft measuring tape, marking paint, and flagging was utilized to establish the sampling grid on the remediated areas prior to conducting confirmation sampling.

Confirmation Sampling: June 19, 2019 - forty two (42) five-point composite soil samples were collected from the floor of the excavation and twelve (12) five-point composite soil samples were collected from the sidewalls of the excavation with the oversight of Mr. Cory Smith (NMOCD District III Environmental Specialist) on June 19, 2019 to be submitted for lab analyses and to serve as confirmation samples, as required by NMOCD for incident closure per Subsection D of 19.15.29.12 NMAC.

Confirmation Sampling: June 28, 2019 - confirmation sampling results from the June 19, 2019 sampling event indicated three areas on the excavation floor and two side-wall locations exceeded the NMOCD Thresholds for total petroleum hydrocarbons (TPH). Additional remediation was completed in the areas identified exceeding Table 1 Thresholds, and a second round of confirmation sampling was conducted in these areas on June 28, 2019. Due to additional excavation within the #34 sampling grid cell, an additional sidewall sample (SW 13) was added to the confirmation sampling plan. Three (3) composite soil samples were collected from the floor of the excavation and twelve (3) five-point composite soil samples were collected from the sidewalls of the excavation with the oversight of Mr. Abiodun Adeloye (Emmanuel) (BLM-FFO Natural Resource Specialist).

2.2.2 Soil Sampling Procedures

Sampling maps and procedures were reviewed with NMOCD and BLM representatives prior to initiating sampling activity. Samples were collected at approximately 3 inches below ground surface and in accordance with sampling methods outlined in the Natural Resources Conservation Service (NRCS) Field Guide. Confirmation samples were placed in laboratory-provided containers, preserved on ice, and shipped to a National Environmental Laboratory Accreditation Program (NELAP)-approved laboratory for analysis.

2.2.3 Sample Location Mapping

A *GeoExplorer 6000 Series* Trimble global positioning system (GPS) unit was used to map the coordinates of all soil confirmation sample locations (Figure 2, Figure 3, Figure 4 and Figure 5).



2.3 INVESTIGATION RESULTS

The following information presents analytical data for soil samples collected at the 208 Receiver site.

2.3.1 Soil Analytical Results

Laboratory analyses of the fifty four confirmation samples included Method 450-CI-B for chlorides, Method 8021B for volatile organics, including Benzene, Toluene, Ethyl benzene and Xylene (BTEX), and EPA Method 8015B for total petroleum hydrocarbons (TPH) including Motor Oil Range Organics (MRO), Diesel Range Organics (DRO), and Gasoline Range Organics (GRO). Final confirmation analytical data is summarized in Table 1 and Table 2. Full lab analyses data and chain of custody forms are included with this report as Appendix F.



TABLE I					
CONFIRMATION SAMPLE ANALYTICAL DATA - 208 RECEIVER - 06/19/2019					
SAMPLE ID	LOCATION/ DESCRIPTION	8021		8015	300
		BENZENE (mg/Kg)	TOTAL BTEX (mg/Kg)	Total TPH (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD - Guidelines for Remediation of Leaks, Spills and Releases		10	50	100	600
SW1	Side Wall	ND	ND	ND	ND
SW2	Side Wall	ND	ND	ND	ND
SW3	Side Wall	ND	ND	ND	ND
SW4	Side Wall	ND	ND	ND	ND
SW5	Side Wall	ND	ND	36.7	ND
SW6	Side Wall	ND	ND	110	ND
SW7	Side Wall	ND	ND	ND	ND
SW8	Side Wall	ND	ND	115	ND
SW9	Side Wall	ND	ND	ND	ND
SW10	Side Wall	ND	ND	ND	ND
SW11	Side Wall	ND	ND	ND	ND
SW12	Side Wall	ND	ND	ND	ND
SPF1	Floor	ND	ND	ND	ND
SPF2	Floor	ND	ND	128	ND
SPF3	Floor	ND	ND	ND	ND
SPF4	Floor	ND	ND	ND	ND
SPF5	Floor	ND	ND	ND	ND
SPF6	Floor	ND	ND	ND	ND
SPF7	Floor	ND	ND	ND	ND
SPF8	Floor	ND	ND	ND	ND
SPF9	Floor	ND	ND	ND	ND
SPF10	Floor	ND	ND	ND	ND
SPF11	Floor	ND	ND	76.2	27.3
SPF12	Floor	ND	ND	ND	ND
SPF13	Floor	ND	ND	ND	ND
SPF14	Floor	ND	ND	ND	ND
SPF15	Floor	ND	ND	ND	ND
SPF16	Floor	ND	ND	ND	52.4
SPF17	Floor	ND	ND	ND	192
SPF18	Floor	ND	ND	ND	95.6
SPF19	Floor	ND	ND	26.5	100
SPF20	Floor	ND	ND	70.5	491
SPF21	Floor	ND	ND	130	21.3
SPF22	Floor	ND	ND	ND	39.2
SPF23	Floor	ND	ND	ND	43.5
SPF24	Floor	ND	ND	ND	22
SPF25	Floor	ND	ND	ND	72.6
SPF26	Floor	ND	ND	ND	ND
SPF27	Floor	ND	ND	ND	ND
SPF28	Floor	ND	ND	29.7	ND
SPF29	Floor	ND	ND	25.1	ND
SPF30	Floor	ND	ND	34.4	ND
SPF31	Floor	ND	ND	ND	26.1
SPF32	Floor	ND	ND	ND	ND
SPF33	Floor	ND	ND	ND	45.5
SPF34	Floor	ND	ND	850	22.1
SPF35	Floor	ND	ND	74.3	ND
SPF36	Floor	ND	ND	ND	ND
SPF37	Floor	ND	ND	ND	ND
SPF38	Floor	ND	ND	ND	ND
SPF39	Floor	ND	ND	ND	ND
SPF40	Floor	ND	ND	ND	ND
SPF41	Floor	ND	ND	ND	ND
SPF42	Floor	ND	ND	ND	ND

ND = Not Detected

DATA EXCEEDS NMOCD THRESHOLDS



TABLE II					
CONFIRMATION SAMPLE ANALYTICAL DATA - 208 RECEIVER - 06/28/2019					
SAMPLE ID	LOCATION/ DESCRIPTION	8021		8015	300
		BENZENE (mg/Kg)	TOTAL BTEX (mg/Kg)	Total TPH (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD - Guidelines for Remediation of Leaks, Spills and Releases		10	50	100	600
SW6-6/28	Side Wall	-	-	ND	-
SW8-6/28	Side Wall	-	-	ND	-
SW13-6/28	Side Wall	ND	ND	ND	ND
SPF2-6/28	Floor	-	-	ND	-
SPF21-6/29	Floor	-	-	ND	-
SPF34-6/30	Floor	-	-	ND	-

ND = Not Detected

"-" = Not Analyzed

2.4 EVALUATION OF DATA AND DISCUSSION

This section evaluates the investigation results in respect to NM OCD site closure requirements and guidelines.

2.4.1 NMOCD Closure Criteria for Soils Impacted by this Release

Whenever a release occurs on a surface other than a lined, bermed, or otherwise contained production or storage site, the responsible party must remediate the impacted surface to meet the cleanup standards as put forth by NMOCD in Table I of 19.15.29.12. The closure criteria and maximum allowable contamination limits for soils impacted by a release vary by constituent and are driven largely by the minimum depth to groundwater below the horizontal boundary of the release. Additional closure criteria is presented in 19.15.29.12 C. (4) NMAC in which require remediation to be conducted as if the release occurred less than 50 feet to ground water. Due to the impacts within the adjacent ephemeral drainage at the 208 Receiver site, Item (a) (i) (impacts are "...within 300 feet of any continuously flowing watercourse or any other significant watercourse"), and item (h) (impacts are "...within a 100-year floodplain") of 19.15.29.12 C. (4) NMAC were satisfied. Table 3 shows the NMOCD regulatory closure requirements for soils impacted by a release where minimum depth to groundwater is less than 50 feet below ground surface.



TABLE III Closure Criteria for Soils Impacted by a Release		
Depth to Groundwater	Constituent	Limit
50 feet	Chloride	600 mg/kg
	TPH (GRO + DRO + MRO)	100 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg

2.4.2 208 Receiver

The initial confirmation sampling conducted on June 19th, 2019 and follow-up sampling on June 28th, 2019 confirm that no TPH, BTEX, Organic Compounds, or chloride concentrations within the remaining soil exceed Table I of 19.15.29.12 NMAC for the area impacted by the release and no additional remediation is needed.

3.0 RISK ASSESSMENT

3.1 POTENTIAL RECEPTOR EVALUATION

No potential receptors were identified either on or off-site based on the following findings.

3.1.1 Human Receptors

There are ongoing oil and gas production operations at the site in the form of pipeline operations and maintenance as the site remains active and pose no threat to the public.

3.1.2 Biological Receptors

There are no biological receptors onsite and within the surrounding area identified which may be threatened by the release that occurred at the 208 Receiver.

3.1.3 Wells and Surface Water

There are no potable wells, non-potable wells, or surface bodies on-nor offsite that are close enough to be threatened by this release.

4.0 REMEDIATION ASSESSMENT

4.1 REMEDIATION DRIVERS AND CLEANUP OBJECTIVES

Clear remediation drivers and objectives are required to establish the framework within which potential remedial technologies are evaluated and compared. The remediation driver for this site is compliance with NMOCD regulations and directives to receive closure for the 208



Receiver location. Cleanup objectives are media-specific goals that are protective of human health and the environment and were achieved to meet regulatory requirements as outlined in 19.15.29. NMAC.

4.2 RECOMMENDATION

Based on the confirmation sample lab analyses indicating soils at the location satisfy NMOCD Table 1 clean-up thresholds, HRL suggests that no additional remedial action is warranted as all areas affected by the release have been excavated and impacted soils hauled off site for disposal.

5.0 CLOSURE

Due to the reasons outlined in Section 4.2 above, HRL recommends that Incident NCS1915538225 be closed. All closure requirements as set forth in Subsections D-E of 19.15.29.12 NMAC and closure criteria outlined in Table I of 19.15.29.12 have been met. Photos included in Appendix H of this report demonstrate the remediation activities and site stability. Whiptail Midstream certifies that all information in this report and the attachments is correct and that Whiptail has complied with all applicable closure requirements and conditions specified in Division rules and directives to meet NMOCD requirements to obtain closure on the release at the 208 Receiver site.



6.0 REFERENCES

Releases, Oil Conservation Commission, 19.15.29 NMAC (08/04/2018).

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National Soil Survey Center, Natural Resources Conservation Service, United States Department of Agriculture. Field Book for Describing and Sampling Soils. Available online at the following link: https://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS. Accessed [07/18/2019].

State Engineer, New Mexico Office of the State Engineer. New Mexico Water Rights Reporting System. Available online at the following: <http://nmwrrs.ose.state.nm.us/waterColumn.html>. Accessed [07/18/2019].

FIGURE 1

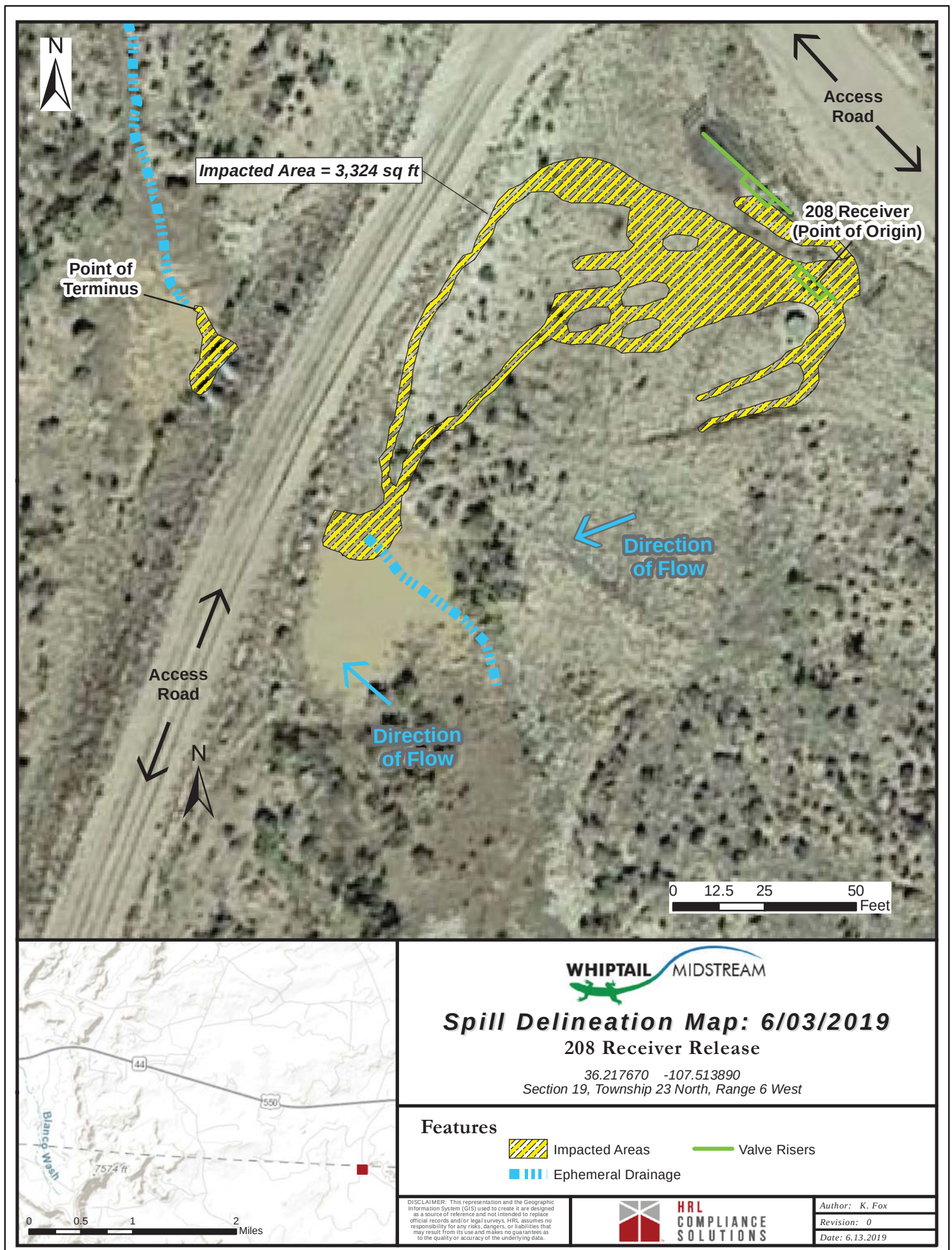
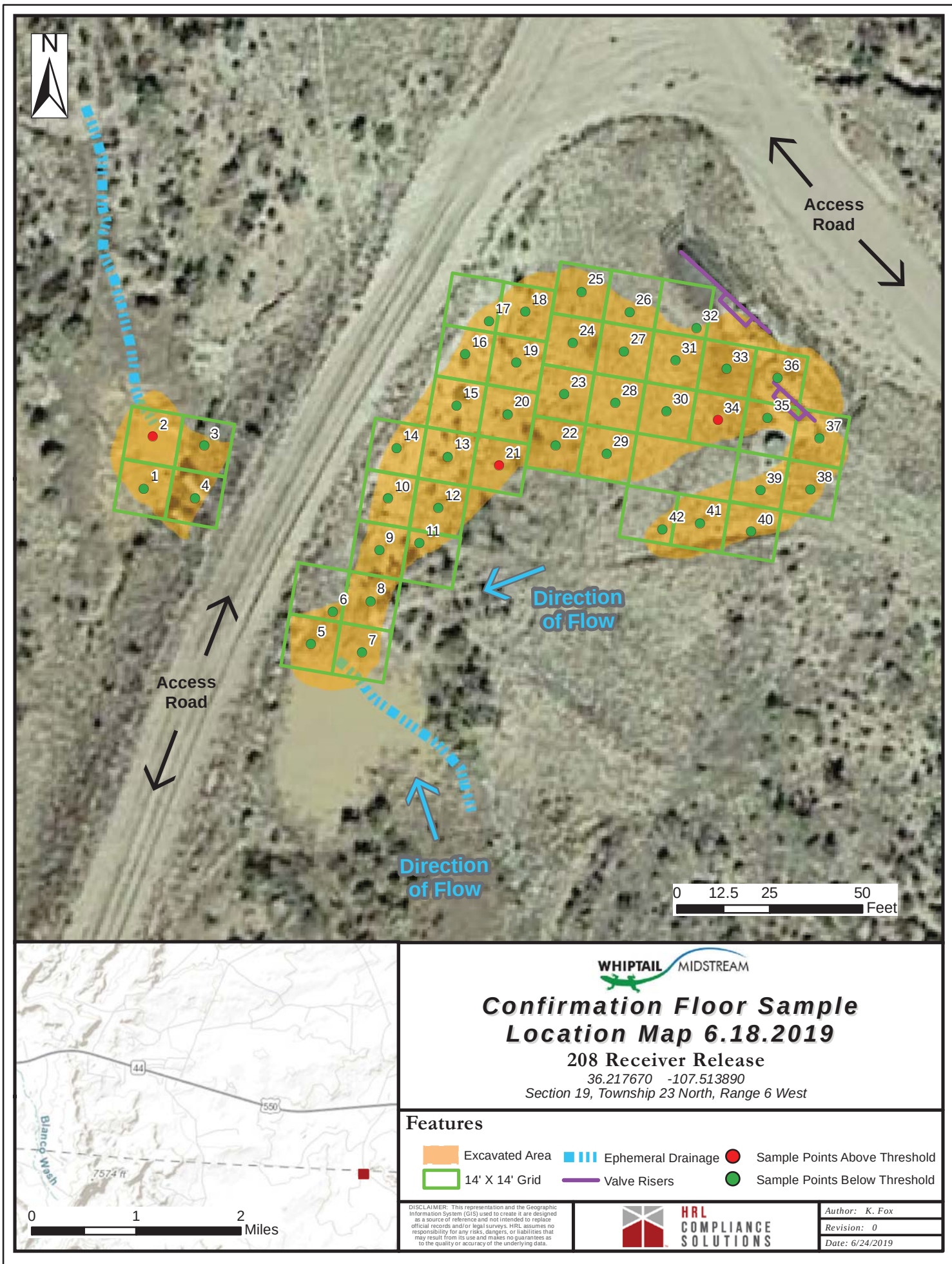
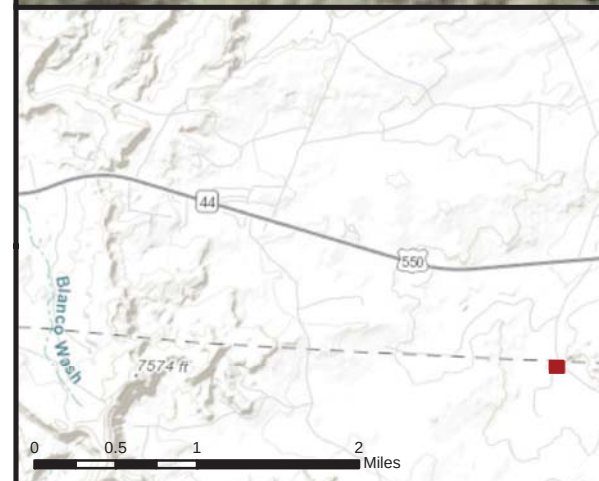
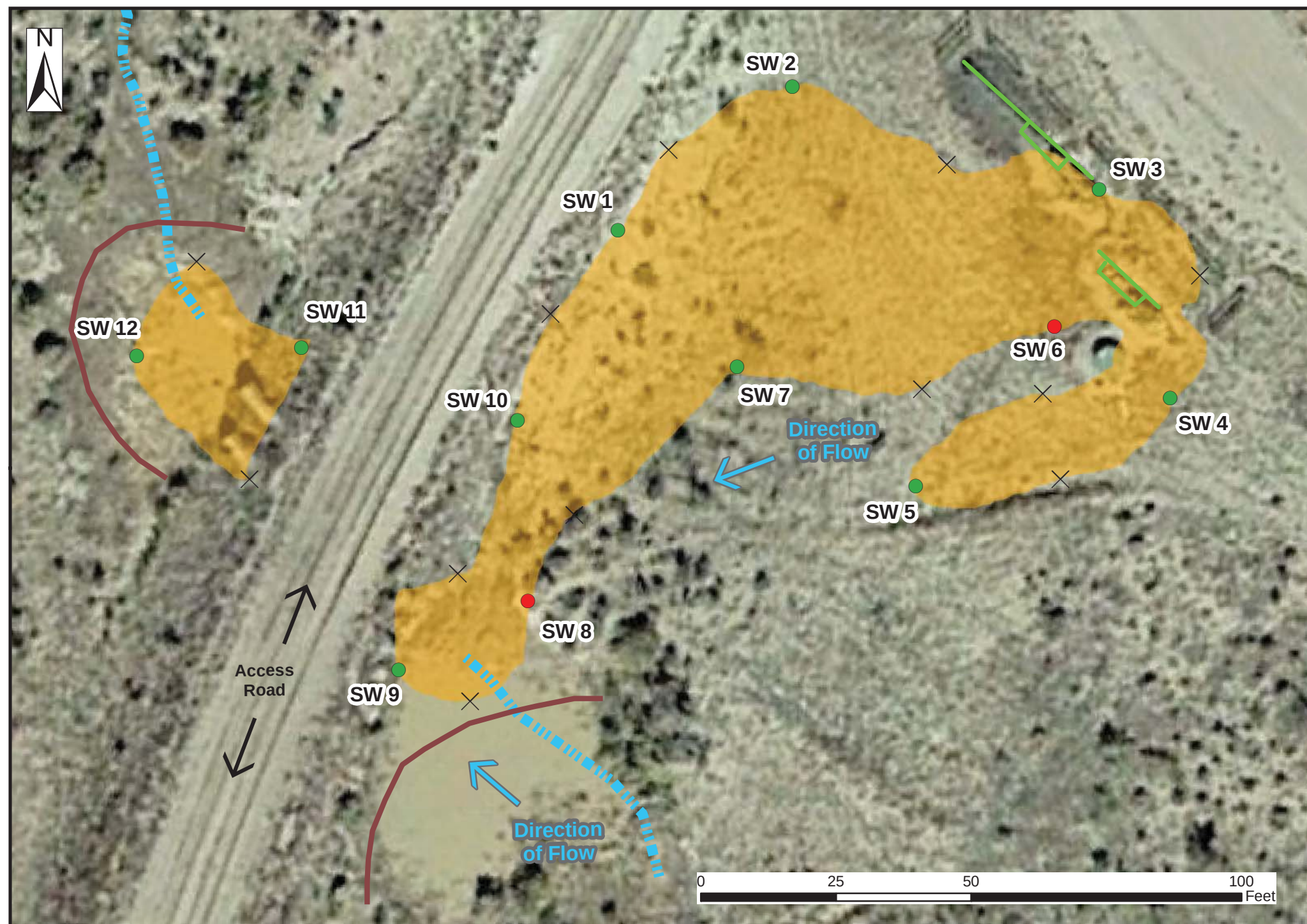


FIGURE 2





Stratified Random Sidewall Sample Map: 6/18/2019

208 Receiver Release

36.217670 -107.513890
Section 19, Township 23 North, Range 6 West

Features

 Excavated Area
 Earthen Berms

 Ephemeral Drainage
 Valve Risers

 Sample Point Above Threshold
 Sample Point Below Threshold



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Data Sources: Google Earth Pro

Author: K. Fox
Revision: 0
Date: 6.24.2019

FIGURE 3 Sidewall Sampling Key

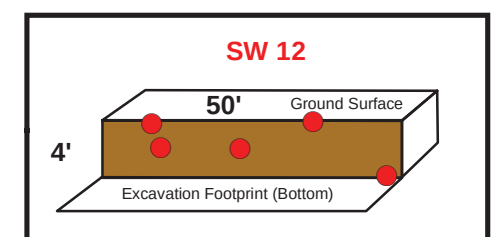
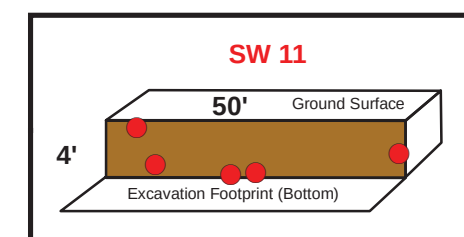
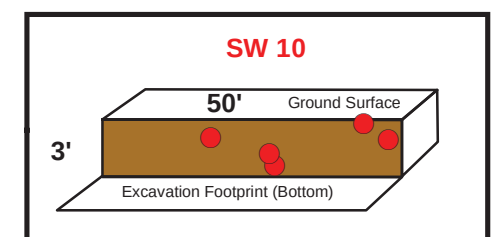
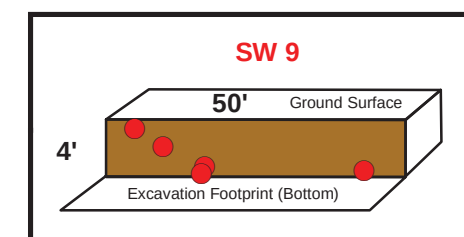
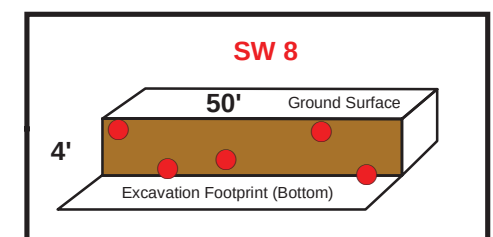
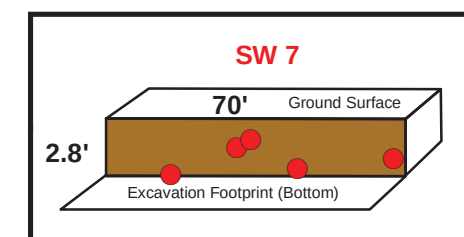
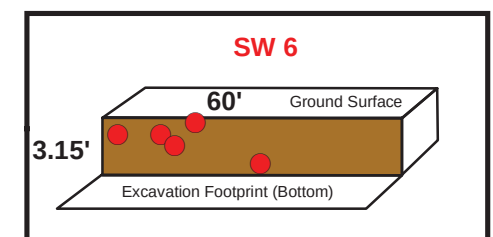
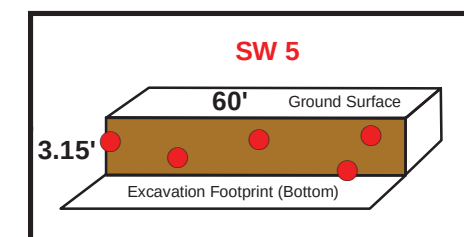
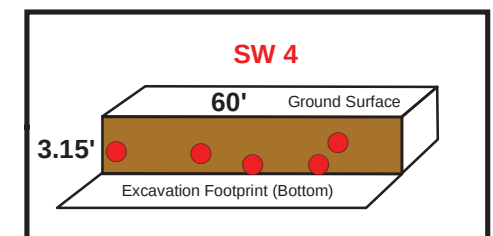
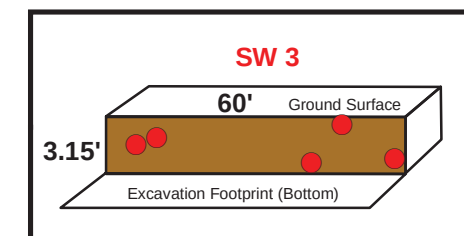
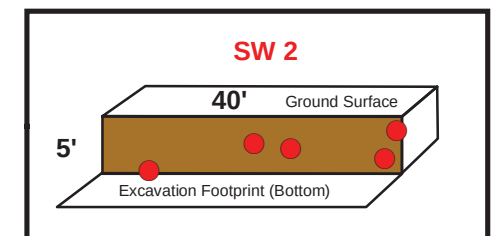
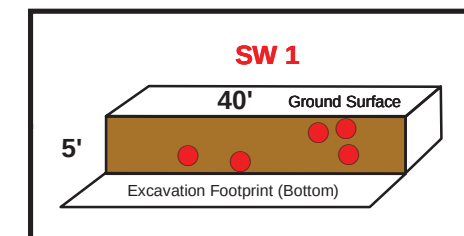


FIGURE 4

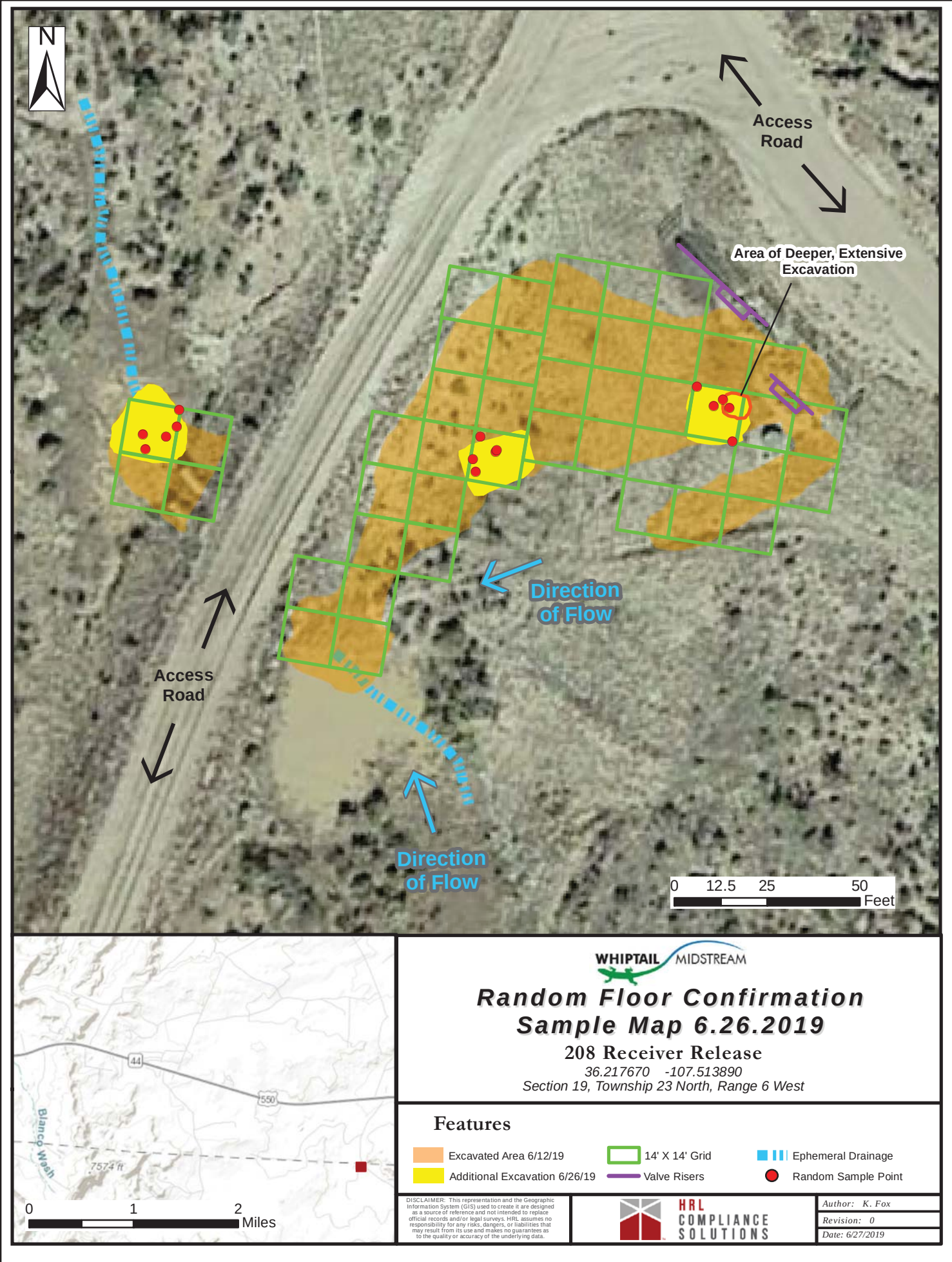
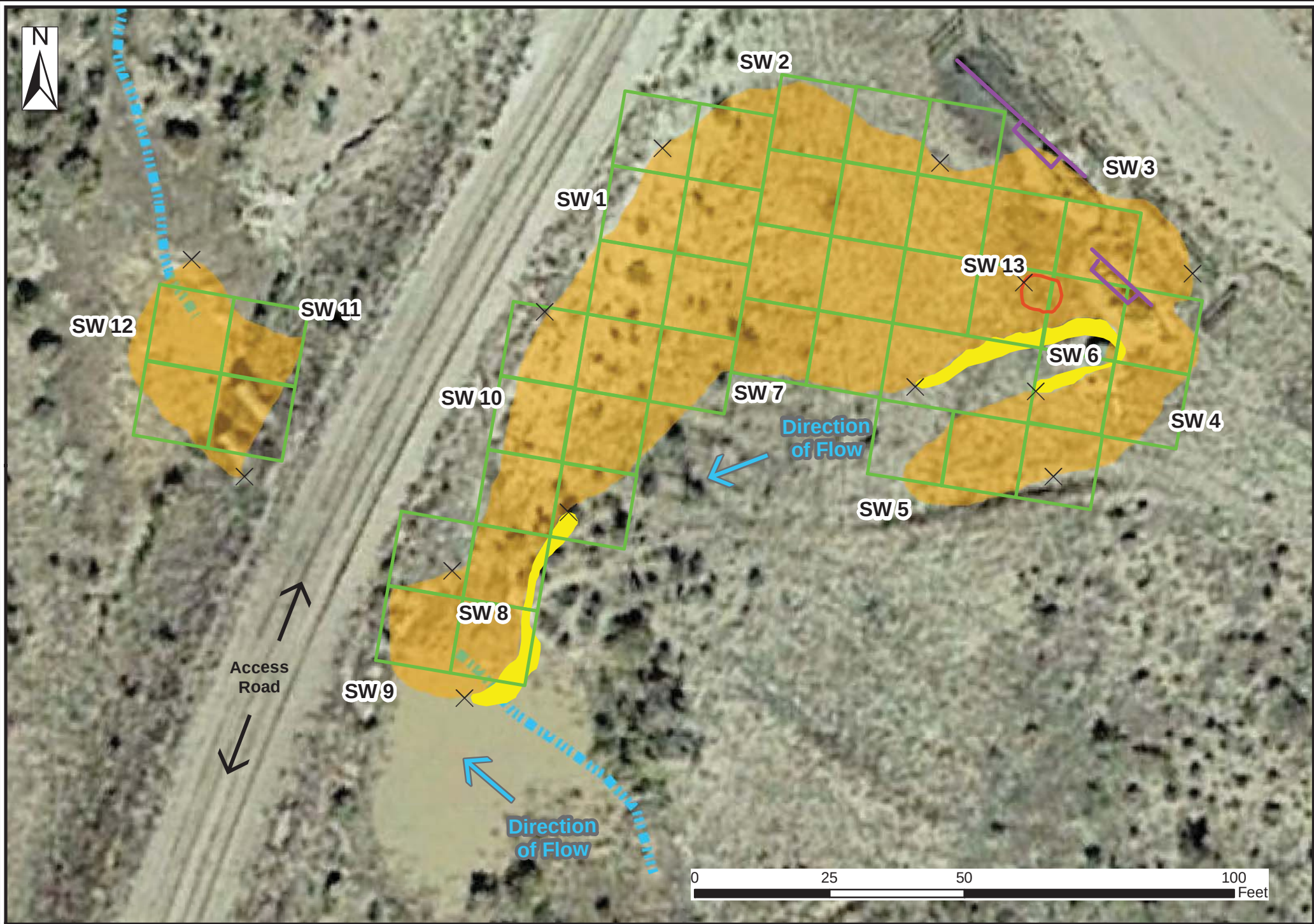
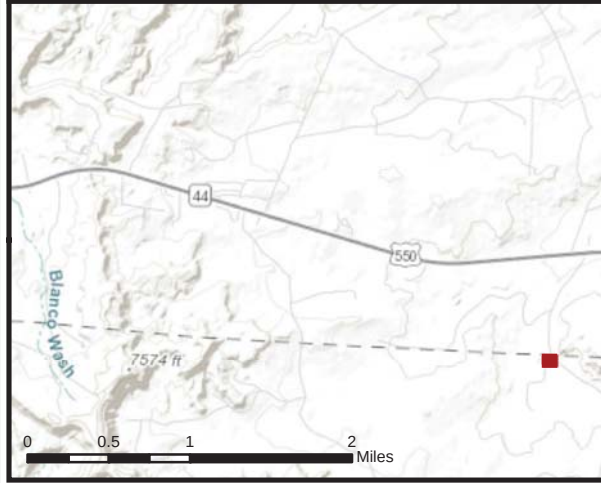
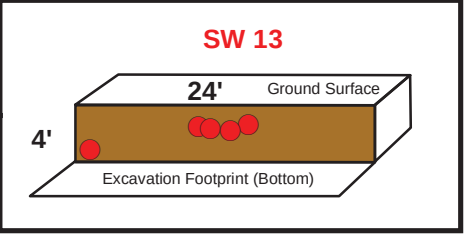
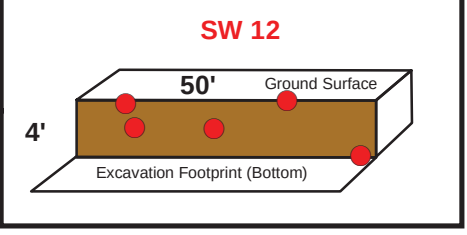
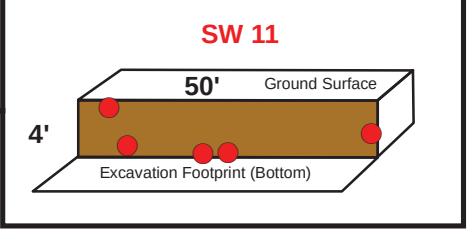
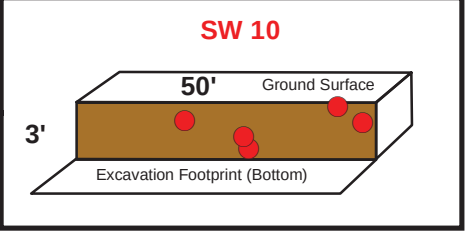
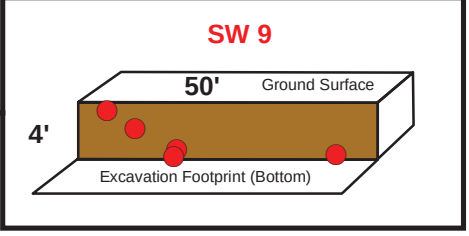
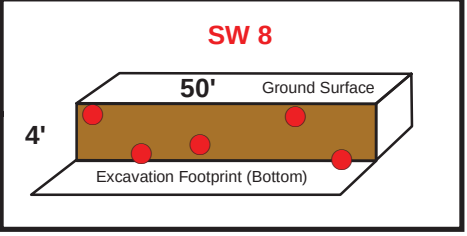
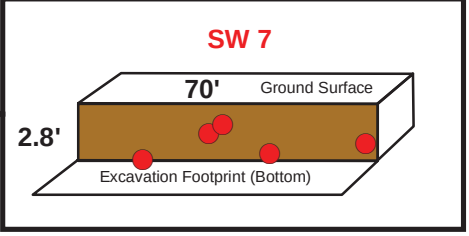
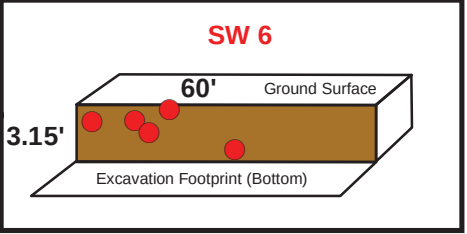
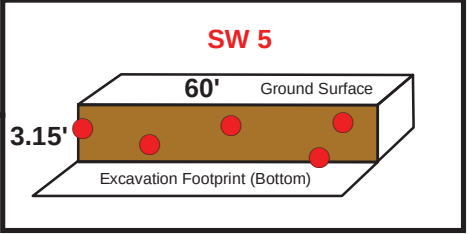
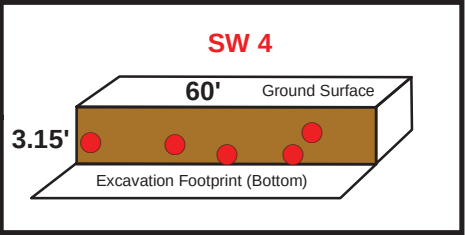
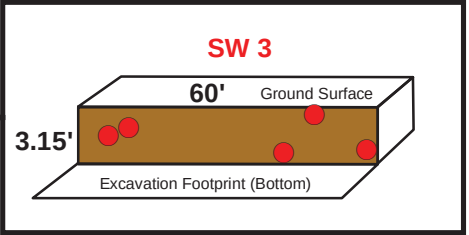
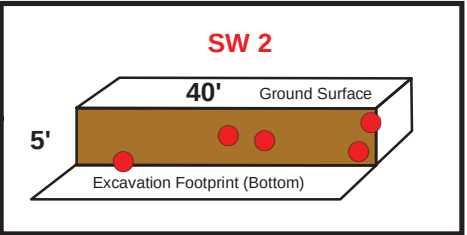
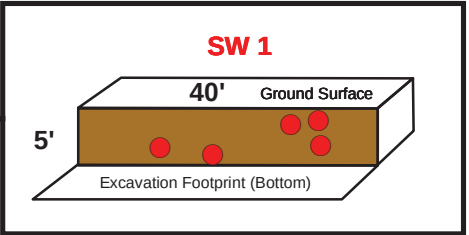


FIGURE 5



Sidewall Sampling Key



Sidewall Confirmation
Sample Map: 6/26/2019

208 Receiver Release
36.217670 -107.513890
Section 19, Township 23 North, Range 6 West

Features

- Excavated Area 6/12/19
- Additional Excavation 6/26/19
- Ephemeral Drainage
- Valve Risers
- Random Sidewall Confirmation Sample Points



DISCLAIMER: This representation and the Geographic Information System (GIS) used to create it are designed as a source of reference and not intended to replace official records and/or legal surveys. HRL assumes no responsibility for any risks, dangers, or liabilities that may result from its use and makes no guarantees as to the quality or accuracy of the underlying data.

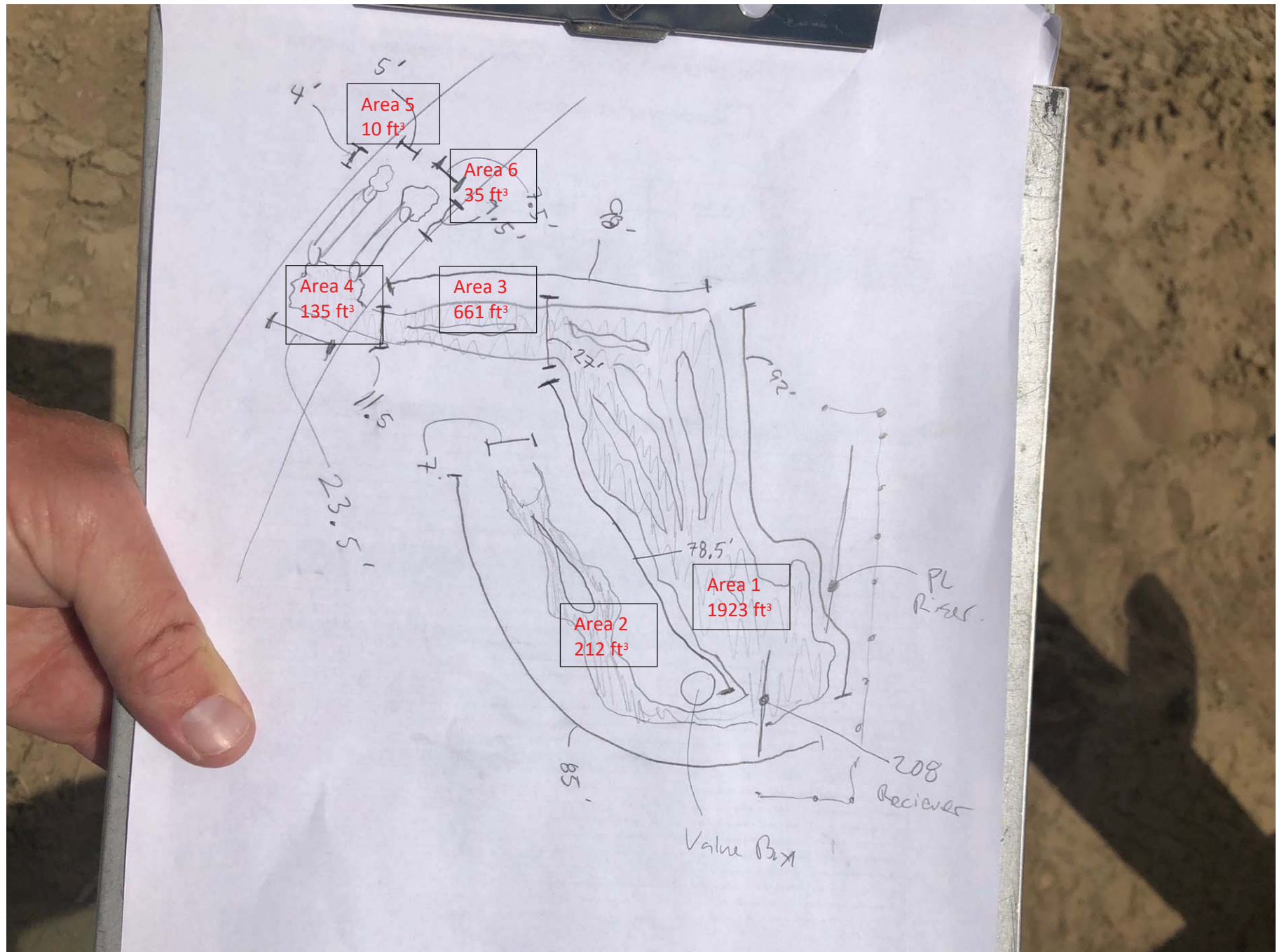
Data Sources: Google Earth Pro

Author: K. Fox
Revision: 0
Date: 6.27.2019



APPENDIX A: ESTIMATED VOLUME OF RELEASE CALCULATIONS

Initial Release Volume Estimate - Impacted Area Square Footage



Initial Release Volume Estimate - Calculations

Units to be assumed:

$$\underline{1 \text{ cubic foot} = 7.48 \text{ gallons}}$$

Area 1:

$$\begin{aligned} 78.5' \times 49' \times 0.5' &= 1923 \text{ ft}^3 \\ 1923 \text{ ft}^3 \times 7.48 \text{ gal} &= 14,384 \text{ gallons} \\ 14,384 \text{ gallons} / 42 &= 342 \text{ bbls} \end{aligned}$$

Area 2

$$\begin{aligned} 7' \times 85' \times 0.5' &= 297.5 \text{ ft}^3 \\ 297.5 \text{ ft}^3 \times 7.48 \text{ gal} &= 2,225 \text{ gallons} \\ 2,225 / 42 &= 53 \text{ bbls} \end{aligned}$$

Area 3

$$\begin{aligned} 27' \times 49' \times 0.5' &= 661 \text{ ft}^3 \\ 661 \text{ ft}^3 \times 7.48 \text{ gal} &= 4,944.28 \text{ gal} \\ 4,944 / 42 &= 117 \text{ bbl} \end{aligned}$$

Area 4

$$\begin{aligned} 11.5' \times 23.5' \times 0.5' &= 135 \text{ ft}^3 \\ 135 \text{ ft}^3 \times 7.48 &= 1,010 \text{ gal} \\ 1,010 \text{ gal} / 42 &= 24 \text{ bbls} \end{aligned}$$

Area 5

$$\begin{aligned} 4' \times 5' \times 0.5' &= 10 \text{ ft}^3 \\ 10 \text{ ft}^3 \times 7.48 &= 74.8 \text{ gal} \\ 74.8 / 42 &= 1.7 \text{ bbl} \end{aligned}$$

Area 6

$$\begin{aligned} 7.5' \times 9.5' \times 0.5 &= 35 \text{ ft}^3 \\ 35 \text{ ft}^3 \times 7.48 &= 266 \text{ gal} \\ 266 / 42 &= 6.3 \text{ bbls} \end{aligned}$$

Remove a percentages of area that are not square. Account for fill material (rock/soil/debris) that filled that calculated volume: it can be assumed that 95% of the cubic volume was occupied by sand/rock, allowing for 5% to be accounted for the spill volume to occupy the space.

Area 1

$$342 \text{ bbls} \times 40\% = 136.8 \text{ bbls} \times 5\% = 6.84 \text{ bbls}$$

Area 2

$$53 \text{ total bbls with } \sim 40\% \text{ spill area} = 21.2 \text{ bbls. Assuming the same } 5\%, \text{ yields } \sim 1.06 \text{ bbls}$$

Area 3

$$117 \text{ total bbls with } \sim 50\% \text{ spill area} = 58.5 \text{ bbls. Assuming } 5\%, \text{ yields } \sim 2.92 \text{ bbls}$$

Area 4

$$24 \text{ total bbls with } 75\% = 18 \text{ bbls. Assuming } 5\%, \text{ yields } 0.9 \text{ bbls}$$

Area 5

$$1.7 \text{ total bbls with } 50\% \text{ spill area} = 0.85. \text{ Assuming } 5\% = 0.04 \text{ bbls}$$

Area 6

$$6.3 \text{ total bbls with } 50\% \text{ spill area} = 3.15 \text{ bbls. Assuming } 5\%. \text{ Yields } 0.2 \text{ bbls}$$

Total of **11.96 bbls** or 502.32 gallons.

Estimated Release Volume Calculations upon Competition of Remediation Efforts

GIS VOLUME CALCULATION: Total Excavated Area subtracting "Island" Displacement (40% of total excavated area).

ft2 (mapped)		Avg. depth of excavation	ft3	
6930		3.15	21829.5	
21829.5	7.48		163285	Gallons
163284.66	42		3887.73	BBL (Empty Space)
			77.7546	BBL (W/Soils Void Space)
			46.6528	Estimated Release based on stained area and average depth of excavation.



APPENDIX B: INITIAL C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Whiptail Midstream LLC	OGRID: 373240
Contact Name: Ernie Johnson	Contact Telephone: 918-289-2147
Contact email: ernie.johnson@whiptailmidstream.com	Incident #: NCS1915538225
Contact mailing address: 15 W. 6th Street, Suite 2901, Tulsa, OK 74119	

Location of Release Source

Latitude 36.217670° Longitude -107.513890°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: 208 Receiver	Site Type: Above-ground pipeline valve.
Date Release Discovered: 6/3/2019	API#: N/A

Unit Letter	Section	Township	Range	County
C	19	23N	6W	Sandoval County

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☒ Crude Oil	Volume Released (bbls): 12 47	Volume Recovered (bbls): 0.25
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:

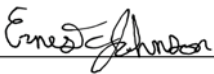
A valve installed on above ground piping had been opened by suspected cattle activity in the area.

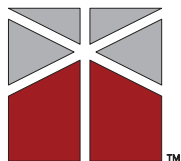
Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? The release migrated ~150ft SW from the point of origin down-gradient into an ephemeral watercourse, impacting a portion of the watercourse along the inlet and outlet ends of a culvert installation installed underneath an adjacent roadway. Upon further investigation of the impacted area during on-going remediation efforts, the estimated amount of liquids released exceeds 25BBL; the re-evaluated estimated volume of the release has been updated in the "Nature and Volume of Release" section of this form.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notification was provided to the OCD by HRL Compliance Solutions (Gunnar Westerman – Project Lead) within 24hrs of discovering the release. Cory Smith (Environmental Specialist) was notified verbally and Jim Griswold (Environmental Bureau Chief) was notified by e-mail. "Emmanuel" Abiodun Adeloye (Natural Resource Specialist – BLM) was also notified verbally and by e-mail on 6/3/19.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

☒ The source of the release has been stopped. ☒ The impacted area has been secured to protect human health and the environment. ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. ☒ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Ernie Johnson</u>	Title: <u>Director of Risk and Engineering Services</u>
Signature: <u></u>	Date: <u>6/14/19</u>
email: <u>ernie.johnson@whiptailmidstream.com</u>	Telephone: <u>918-289-2147</u>
<u>OCD Only</u> Received by: _____ Date: _____	



HRL
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SOLUTIONS

65 Mercado Street, Suite 109 • Durango, CO 81301
PHONE: **970.259.0926** • www.hrlcomp.com

RELEASE ID#: NCS1915538225

REMEDIAL ACTIONS CONDUCTED: 06/03/19 – 06/14/19

Discovery - 06.03.19: A local production technician informed Whiptail personnel of the release mid-morning on 06/03/19. The source of the release was determined to be a valve that was already secure upon identification by Whiptail personnel. Remedial actions were undertaken immediately upon discovery of the release on 06/03/2019. A Form C-138 was filed and approved for disposal of impacted soils at Envirotech Landfarm and an emergency One-Call was issued for the areas within and adjacent to the visually impacted areas.

06.03.19 – 06.14.19: Hand Crews immediately began excavating and removing soils from the adjacent ephemeral drainage that were observed to be visually impacted or produced strong odors. Upon the arrival of excavation equipment, a berm was constructed across the ephemeral drainage immediately up-gradient and down-gradient from the impacted portion of the drainage to temporarily isolate the impacted area from potential flows occurring within the drainage. A hydro-vac unit and power washer were utilized to clean two culvert installations that had accumulated oil during the initial release. The outlet sections of both culvert installations were temporarily removed in order to remediate areas beneath the culverts along the outlet portion. Remediation efforts were focused on the ephemeral drainage and then continued N and NE towards the point of origin. Mechanical excavation of impacted soil continued on 06/06/19, and was guided utilizing field screening equipment (Dexsil Petro Flag and Photo Ionization Detector). The excavation area resulting from remediation efforts is secured with safety fencing and strategic placement of heavy equipment when the site is not active. Remediation activities are on-going at the site until clean-up has occurred.



APPENDIX C: DEPTH TO GROUNDWATER ANALYSIS



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
SJ 01156		SJ	RA	2	2	1	18	23N	06W	274330	4012555*	1564	1500	200	1300
SJ 04054 POD1		SJ	RA			1	14	23N	07W	270627	4012298	3636	273	180	93
SJ 02233		SJ	RA	1	1	2	15	23N	07W	269856	4012864*	4564	1100		
SJ 02233 CLW223636	O		RA	1	1	2	15	23N	07W	269856	4012864*	4564	1100		
SJ 01506		SJ	SA	1	1	3	22	23N	06W	278535	4010015*	4614	280		
SJ 01507		SJ	RA	3	3	4	10	23N	07W	269889	4013098*	4634	1709	900	809

Average Depth to Water: **426 feet**

Minimum Depth: **180 feet**

Maximum Depth: **900 feet**

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 274031.12

Northing (Y): 4011019.68

Radius: 4828

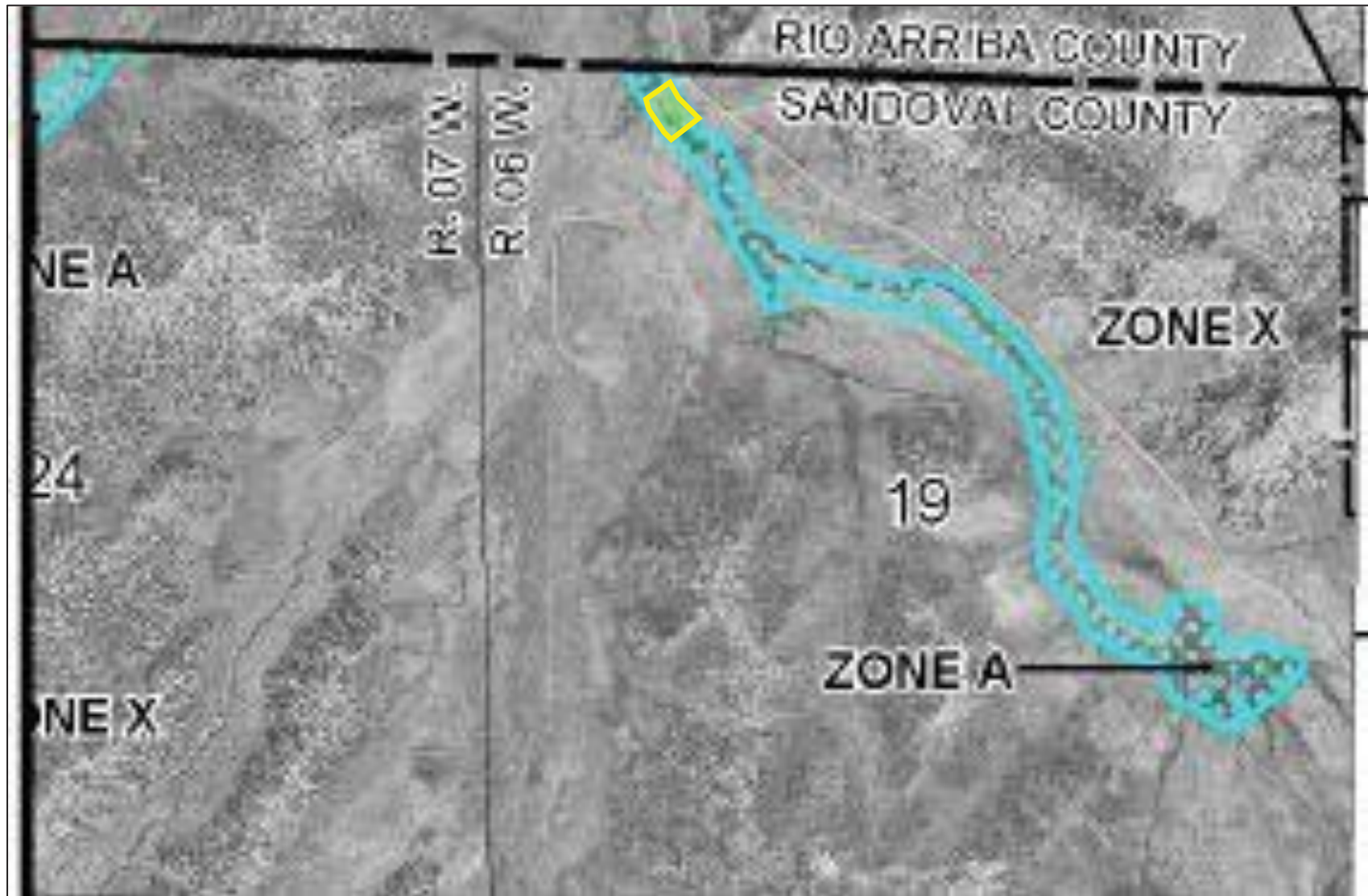
*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



APPENDIX D: FLOODPLAIN MAP

Federal Emergency Management Agency (FEMA) 100-Year Floodplain Map



Approximate Impacted Area - 208 Receiver Release

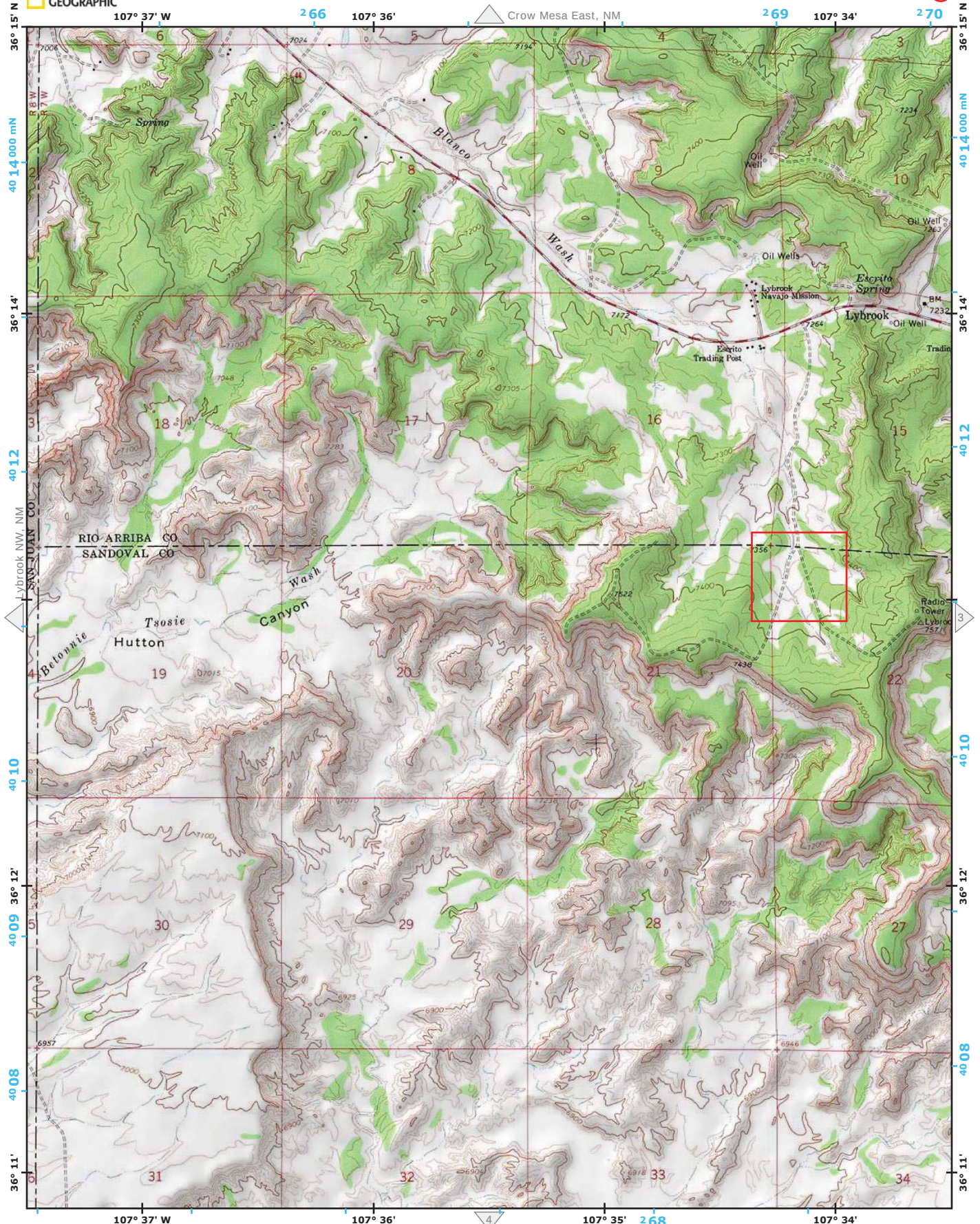


Designated 100 Year Floodplain





APPENDIX E: TOPOGRAPHIC MAP OF SPILL AREA





Rio Arriba County

Sandoval County

RIO A
SAND

208 Receiver Release

Ephemeral Drainage

0 215 430 860 Feet



Topographic Map: 8/5/2019

208 Receiver Release

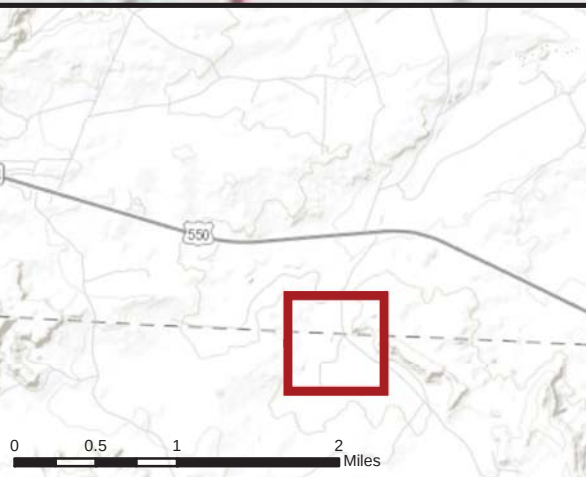
36.217670 -107.513890
Section 19, Township 23 North, Range 6 West

DISCLAIMER: This representation and the Geographic Information System (GIS) used to create it are designed as a source of reference and not intended to replace official records and/or legal surveys. HRL assumes no responsibility for any risks, dangers, or liabilities that may result from its use and makes no guarantee as to the quality or accuracy of the underlying data.



**HRL
COMPLIANCE
SOLUTIONS**

Author: K. Fox
Revision: 0
Date: 8.5.2019





APPENDIX F: LAB RESULTS AND CHAIN OF CUSTODY

Analytical Report

Report Summary

Client: Whiptail Midstream LLC

Samples Received: 6/19/2019

Job Number: 17010-0011

Work Order: P906085

Project Name/Location: 208 Receiver

Report Reviewed By:



Date: 6/21/19

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.
Envirotech, Inc, currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.

Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:48

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SPF 9	P906085-01A	Soil	06/19/19	06/19/19	Glass Jar, 8 oz.
SPF 10	P906085-02A	Soil	06/19/19	06/19/19	Glass Jar, 8 oz.
SPF 11	P906085-03A	Soil	06/19/19	06/19/19	Glass Jar, 8 oz.
SPF 12	P906085-04A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 13	P906085-05A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 14	P906085-06A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 15	P906085-07A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 16	P906085-08A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 17	P906085-09A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 18	P906085-10A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 19	P906085-11A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 20	P906085-12A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 21	P906085-13A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 22	P906085-14A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 23	P906085-15A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 24	P906085-16A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 25	P906085-17A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 26	P906085-18A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 27	P906085-19A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 28	P906085-20A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.

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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:48

SPF 9
P906085-01 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		102 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		97.3 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		95.0 %		50-200	1925029	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		102 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		97.3 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925027	06/19/19	06/19/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:48

SPF 10
P906085-02 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.7 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		103 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		94.7 %		50-200	1925029	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.7 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		103 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925027	06/19/19	06/19/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:48

SPF 11
P906085-03 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		99.6 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
Surrogate: Toluene-d8		103 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
Surrogate: Bromofluorobenzene		102 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	76.2	25.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
Surrogate: n-Nonane		98.5 %		50-200	1925029	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		99.6 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
Surrogate: Toluene-d8		103 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
Surrogate: Bromofluorobenzene		102 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	27.3	20.0	mg/kg	1	1925027	06/19/19	06/19/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:48

SPF 12
P906085-04 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		101 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
Surrogate: Toluene-d8		102 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
Surrogate: Bromofluorobenzene		99.9 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
Surrogate: n-Nonane		98.0 %		50-200	1925029	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		101 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
Surrogate: Toluene-d8		102 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
Surrogate: Bromofluorobenzene		99.9 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925027	06/19/19	06/19/19	EPA 300.0/9056A	
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Whiptail Midstream LLC	Project Name:	208 Receiver	Reported: 06/21/19 13:48
504 S. Bloomfield Blvd.	Project Number:	17010-0011	
Bloomfield NM, 87413	Project Manager:	Gunner Westerman	

SPF 13
P906085-05 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.1 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		103 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		101 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		96.2 %		50-200	1925029	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.1 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		103 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		101 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925027	06/19/19	06/19/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:48

SPF 14
P906085-06 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		101 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		97.7 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		95.0 %		50-200	1925029	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		101 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		97.7 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925027	06/19/19	06/19/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:48

SPF 15
P906085-07 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		101 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		96.4 %		50-200	1925029	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		101 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925027	06/19/19	06/19/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:48

SPF 16
P906085-08 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		104 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
Surrogate: Toluene-d8		101 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
Surrogate: Bromofluorobenzene		97.9 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
Surrogate: n-Nonane		98.4 %		50-200	1925029	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		104 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
Surrogate: Toluene-d8		101 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
Surrogate: Bromofluorobenzene		97.9 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	52.4	20.0	mg/kg	1	1925027	06/19/19	06/19/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:48

SPF 17
P906085-09 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		104 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
Surrogate: Toluene-d8		99.7 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
Surrogate: Bromofluorobenzene		98.4 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
Surrogate: n-Nonane		99.5 %		50-200	1925029	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		104 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
Surrogate: Toluene-d8		99.7 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
Surrogate: Bromofluorobenzene		98.4 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	192	20.0	mg/kg	1	1925027	06/19/19	06/19/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:48

SPF 18
P906085-10 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.3 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		100 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		99.3 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		99.2 %		50-200	1925029	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.3 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		100 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		99.3 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	95.6	20.0	mg/kg	1	1925027	06/19/19	06/19/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:48

SPF 19
P906085-11 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		103 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
Surrogate: Toluene-d8		104 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
Surrogate: Bromofluorobenzene		98.7 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	26.5	25.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
Surrogate: n-Nonane		97.7 %		50-200	1925029	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		103 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
Surrogate: Toluene-d8		104 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
Surrogate: Bromofluorobenzene		98.7 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	100	20.0	mg/kg	1	1925027	06/19/19	06/19/19	EPA 300.0/9056A	
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Whiptail Midstream LLC	Project Name:	208 Receiver	
504 S. Bloomfield Blvd.	Project Number:	17010-0011	Reported:
Bloomfield NM, 87413	Project Manager:	Gunner Westerman	06/21/19 13:48

SPF 20
P906085-12 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.8 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		102 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		100 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	70.5	25.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		98.5 %		50-200	1925029	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.8 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		102 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		100 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	491	20.0	mg/kg	1	1925027	06/19/19	06/19/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:48

SPF 21
P906085-13 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		104 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
Surrogate: Toluene-d8		102 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
Surrogate: Bromofluorobenzene		99.5 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	130	25.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
Surrogate: n-Nonane		100 %		50-200	1925029	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		104 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
Surrogate: Toluene-d8		102 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
Surrogate: Bromofluorobenzene		99.5 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	21.3	20.0	mg/kg	1	1925027	06/19/19	06/19/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:48

SPF 22
P906085-14 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		98.2 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
Surrogate: Toluene-d8		101 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
Surrogate: Bromofluorobenzene		99.8 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
Surrogate: n-Nonane		99.6 %		50-200	1925029	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		98.2 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
Surrogate: Toluene-d8		101 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
Surrogate: Bromofluorobenzene		99.8 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	39.2	20.0	mg/kg	1	1925027	06/19/19	06/19/19	EPA 300.0/9056A	
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Whiptail Midstream LLC	Project Name:	208 Receiver	
504 S. Bloomfield Blvd.	Project Number:	17010-0011	Reported:
Bloomfield NM, 87413	Project Manager:	Gunner Westerman	06/21/19 13:48

SPF 23
P906085-15 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.1 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		102 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		102 %		50-200	1925029	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.1 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		102 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	43.5	20.0	mg/kg	1	1925027	06/19/19	06/20/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:48

SPF 24
P906085-16 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		103 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		100 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		101 %		50-200	1925029	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		103 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		100 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	22.0	20.0	mg/kg	1	1925027	06/19/19	06/20/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:48

SPF 25
P906085-17 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		100 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		98.2 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		102 %		50-200	1925029	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		100 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		98.2 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	72.6	20.0	mg/kg	1	1925027	06/19/19	06/20/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:48

SPF 26
P906085-18 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		103 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		101 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		97.9 %		50-200	1925029	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		103 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		101 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925027	06/19/19	06/20/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:48

SPF 27
P906085-19 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		101 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		97.9 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		99.1 %		50-200	1925029	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		101 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		97.9 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925027	06/19/19	06/20/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:48

SPF 28
P906085-20 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.1 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		99.2 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %		70-130	1925024	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	29.7	25.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925029	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		101 %		50-200	1925029	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.1 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		99.2 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %		70-130	1925024	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925027	06/19/19	06/20/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:48

Volatile Organic Compounds by 8260 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1925024 - Purge and Trap EPA 5030A
Blank (1925024-BLK1)

Prepared: 06/19/19 1 Analyzed: 06/20/19 1

Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
Surrogate: 1,2-Dichloroethane-d4	0.494		"	0.500		98.7	70-130			
Surrogate: Toluene-d8	0.512		"	0.500		102	70-130			
Surrogate: Bromofluorobenzene	0.483		"	0.500		96.5	70-130			

LCS (1925024-BS1)

Prepared: 06/19/19 1 Analyzed: 06/20/19 1

Benzene	2.55	0.0250	mg/kg	2.50		102	70-130			
Toluene	2.48	0.0250	"	2.50		99.3	70-130			
Ethylbenzene	2.49	0.0250	"	2.50		99.5	70-130			
p,m-Xylene	4.70	0.0500	"	5.00		94.0	70-130			
o-Xylene	2.32	0.0250	"	2.50		92.8	70-130			
Total Xylenes	7.02	0.0250	"	7.50		93.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		"	0.500		98.5	70-130			
Surrogate: Toluene-d8	0.518		"	0.500		104	70-130			
Surrogate: Bromofluorobenzene	0.499		"	0.500		99.8	70-130			

Matrix Spike (1925024-MS1)

Source: P906085-01

Prepared: 06/19/19 1 Analyzed: 06/20/19 1

Benzene	2.55	0.0250	mg/kg	2.50	ND	102	48-131			
Toluene	2.50	0.0250	"	2.50	ND	100	48-130			
Ethylbenzene	2.53	0.0250	"	2.50	ND	101	45-135			
p,m-Xylene	4.82	0.0500	"	5.00	ND	96.3	43-135			
o-Xylene	2.37	0.0250	"	2.50	ND	94.9	43-135			
Total Xylenes	7.19	0.0250	"	7.50	ND	95.8	43-135			
Surrogate: 1,2-Dichloroethane-d4	0.500		"	0.500		100	70-130			
Surrogate: Toluene-d8	0.518		"	0.500		104	70-130			
Surrogate: Bromofluorobenzene	0.508		"	0.500		102	70-130			

Matrix Spike Dup (1925024-MSD1)

Source: P906085-01

Prepared: 06/19/19 1 Analyzed: 06/20/19 2

Benzene	2.52	0.0250	mg/kg	2.50	ND	101	48-131	0.927	23	
Toluene	2.40	0.0250	"	2.50	ND	95.9	48-130	4.23	24	
Ethylbenzene	2.43	0.0250	"	2.50	ND	97.0	45-135	4.06	27	
p,m-Xylene	4.63	0.0500	"	5.00	ND	92.6	43-135	3.97	27	
o-Xylene	2.28	0.0250	"	2.50	ND	91.4	43-135	3.78	27	
Total Xylenes	6.91	0.0250	"	7.50	ND	92.2	43-135	3.91	27	
Surrogate: 1,2-Dichloroethane-d4	0.510		"	0.500		102	70-130			
Surrogate: Toluene-d8	0.500		"	0.500		100	70-130			
Surrogate: Bromofluorobenzene	0.502		"	0.500		100	70-130			

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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:48

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control
Envirotech Analytical Laboratory

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

Batch 1925029 - DRO Extraction EPA 3570
Blank (1925029-BLK1)

Prepared: 06/19/19 1 Analyzed: 06/20/19 2

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	50.3		"	50.0		101	50-200			

LCS (1925029-BS1)

Prepared: 06/19/19 1 Analyzed: 06/20/19 2

Diesel Range Organics (C10-C28)	434	25.0	mg/kg	500		86.7	38-132			
Surrogate: n-Nonane	48.9		"	50.0		97.8	50-200			

Matrix Spike (1925029-MS1)

Source: P906085-01

Prepared: 06/19/19 1 Analyzed: 06/20/19 2

Diesel Range Organics (C10-C28)	467	25.0	mg/kg	500	ND	93.4	38-132			
Surrogate: n-Nonane	49.7		"	50.0		99.4	50-200			

Matrix Spike Dup (1925029-MSD1)

Source: P906085-01

Prepared: 06/19/19 1 Analyzed: 06/20/19 2

Diesel Range Organics (C10-C28)	529	25.0	mg/kg	500	ND	106	38-132	12.4	20	
Surrogate: n-Nonane	49.9		"	50.0		99.9	50-200			

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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:48

Nonhalogenated Organics by 8015 - GRO - Quality Control
Envirotech Analytical Laboratory

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

Batch 1925024 - Purge and Trap EPA 5030A
Blank (1925024-BLK1)

Prepared: 06/19/19 1 Analyzed: 06/20/19 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1,2-Dichloroethane-d4	0.494		"	0.500		98.7	70-130			
Surrogate: Toluene-d8	0.512		"	0.500		102	70-130			
Surrogate: Bromofluorobenzene	0.483		"	0.500		96.5	70-130			

LCS (1925024-BS2)

Prepared: 06/19/19 1 Analyzed: 06/20/19 1

Gasoline Range Organics (C6-C10)	59.2	20.0	mg/kg	50.0		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.465		"	0.500		93.0	70-130			
Surrogate: Toluene-d8	0.524		"	0.500		105	70-130			
Surrogate: Bromofluorobenzene	0.500		"	0.500		100	70-130			

Matrix Spike (1925024-MS2)

Source: P906085-01

Prepared: 06/19/19 1 Analyzed: 06/20/19 2

Gasoline Range Organics (C6-C10)	59.1	20.0	mg/kg	50.0	ND	118	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		"	0.500		98.9	70-130			
Surrogate: Toluene-d8	0.526		"	0.500		105	70-130			
Surrogate: Bromofluorobenzene	0.503		"	0.500		101	70-130			

Matrix Spike Dup (1925024-MSD2)

Source: P906085-01

Prepared: 06/19/19 1 Analyzed: 06/20/19 2

Gasoline Range Organics (C6-C10)	57.1	20.0	mg/kg	50.0	ND	114	70-130	3.46	20	
Surrogate: 1,2-Dichloroethane-d4	0.483		"	0.500		96.6	70-130			
Surrogate: Toluene-d8	0.505		"	0.500		101	70-130			
Surrogate: Bromofluorobenzene	0.499		"	0.500		99.8	70-130			

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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:48

Anions by 300.0/9056A - Quality Control
Envirotech Analytical Laboratory

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

Batch 1925027 - Anion Extraction EPA 300.0/9056A
Blank (1925027-BLK1)

Prepared: 06/19/19 1 Analyzed: 06/20/19 0

Chloride ND 20.0 mg/kg

LCS (1925027-BS1)

Prepared: 06/19/19 1 Analyzed: 06/20/19 0

Chloride 267 20.0 mg/kg 250 107 90-110

Matrix Spike (1925027-MS1)
Source: P906085-01

Prepared: 06/19/19 1 Analyzed: 06/20/19 1

Chloride 261 20.0 mg/kg 250 ND 104 80-120

Matrix Spike Dup (1925027-MSD1)
Source: P906085-01

Prepared: 06/19/19 1 Analyzed: 06/20/19 1

Chloride 261 20.0 mg/kg 250 ND 104 80-120 0.0383 20

QC Summary Report
Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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Whiptail Midstream LLC
504 S. Bloomfield Blvd.
Bloomfield NM, 87413

Project Name: 208 Receiver
Project Number: 17010-0011
Project Manager: Gunner Westerman

Reported:
06/21/19 13:48

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
RPD Relative Percent Difference
** Methods marked with ** are non-accredited methods.

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Client: Whiptail Midstream LLC
 Project: 208 Receiver
 Sampler: _____
 Phone: _____
 Email(s): _____
 Project Manager: _____

RUSH?

☒ 1d
☐ 3d

Lab Use Only		Analysis and Method						Lab Only	
Lab WO#		GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	Oro/ORO 8015	GRO 8015	Lab Number	Correct Cont/Prsrv (s) Y/N
Job Number									
P906085 17010-0011									

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	Oro/ORO 8015	GRO 8015	Lab Number	Correct Cont/Prsrv (s) Y/N
SPF 9	6/19/19		S	1		X	X	X	X	X	21	
SPF 10	6/19/19		S	1		X	X	X	X	X	22	
SPF 11	6/19/19		S	1		X	X	X	X	X	23	
SPF 12	6/19/19		S	1		X	X	X	X	X	24	
SPF 13	6/19/19		S	1		X	X	X	X	X	25	
SPF 14	6/19/19		S	1		X	X	X	X	X	26	
SPF 15	6/19/19		S	1		X	X	X	X	X	27	
SPF 16	6/19/19		S	1		X	X	X	X	X	28	
SPF 17	6/19/19		S	1		X	X	X	X	X	29	
SPF 18	6/19/19		S	1		X	X	X	X	X	30	

Relinquished by: (Signature) <u>B. Shaw</u>	Date 6/19/19	Time 14:42	Received by: (Signature) <u>Jason G. [Signature]</u>	Date 6/19/19	Time 14:42	Lab Use Only **Received on Ice Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info:



5796 US Highway 64, Farmington, NM 87401
 Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865
 Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com
 laboratory@envirotech-inc.com

Client: Whiptail Midstream LLC.
 Project: 208 Receiver
 Sampler: _____
 Phone: _____
 Email(s): _____
 Project Manager: _____

RUSH?

☒ 1d
☐ 3d

Lab Use Only		Analysis and Method						Lab Only	
Lab WO#		GRO/DRO by 8015	BTEx by 8021	TPH by 418.1	Chloride by 300.0	DRO/GRO 8015	GRO 8015	Lab Number	Correct Cont/Prsrv (s) Y/N
Job Number									
P 906085		17010-0011							

Page 1 of 1

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEx by 8021	TPH by 418.1	Chloride by 300.0	DRO/GRO 8015	GRO 8015	Lab Number	Correct Cont/Prsrv (s) Y/N
SPF 19	6/19/19		S	1		X	X	X	X	X	31	
SPF 20	6/19/19		S	1		X	X	X	X	X	32	
SPF 21	6/19/19		S	1		X	X	X	X	X	33	
SPF 22	6/19/19		S	1		X	X	X	X	X	34	
SPF 23	6/19/19		S	1		X	X	X	X	X	35	
SPF 24	6/19/19		S	1		X	X	X	X	X	36	
SPF 25	6/19/19		S	1		X	X	X	X	X	37	
SPF 26	6/19/19		S	1		X	X	X	X	X	38	
SPF 27	6/19/19		S	1		X	X	X	X	X	39	
SPF 28	6/19/19		S	1		X	X	X	X	X	40	

Relinquished by: (Signature) <u>[Signature]</u>	Date 6/19/19	Time 14:42	Received by: (Signature) <u>[Signature]</u>	Date 6/19/19	Time 14:42	Lab Use Only	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	**Received on Ice ☒ Y / ☐ N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

☐ Sample(s) dropped off after hours to a secure drop off area.	Chain of Custody	Notes/Billing Info:
---	------------------	---------------------



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 Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com
 laboratory@envirotech-inc.com

Client: Whiptail Midstream LLC
 Project: 208 Receiver
 Sampler: Gunnar Westerman, Kevin Fox
 Phone: 970-683-0668; 970-261-2015
 Email(s): gwestman@hcl.com; Krowe@hcl.com
 Project Manager: Gunnar Westerman, Kris Rowle

RUSH?

☒ 1d
☐ 3d

Lab Use Only		Analysis and Method						Lab Only	
Lab WO#		GRO/DRO by 8015	BTX by 8021	TPA by 418.1	Chloride by 300.0	Oro/Oro 8015	Gro 8015	Lab Number	Correct Cont/Prsr (s) Y/N
P906085									
Job Number									
17010-001									
Page		1 of 1							

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTX by 8021	TPA by 418.1	Chloride by 300.0	Oro/Oro 8015	Gro 8015	Lab Number	Correct Cont/Prsr (s) Y/N
SPF 9	6/19/19	10:40	S	1		X	X	X	X	X	21	1
SPF 10	6/19/19	10:41	S	1		X	X	X	X	X	22	2
SPF 11	6/19/19	10:44	S	1		X	X	X	X	X	23	3
SPF 12	6/19/19	10:45	S	1		X	X	X	X	X	24	4
SPF 13	6/19/19	10:47	S	1		X	X	X	X	X	25	5
SPF 14	6/19/19	10:48	S	1		X	X	X	X	X	26	6
SPF 15	6/19/19	10:50	S	1		X	X	X	X	X	27	7
SPF 16	6/19/19	10:51	S	1		X	X	X	X	X	28	8
SPF 17	6/19/19	10:52	S	1		X	X	X	X	X	29	9
SPF 18	6/19/19	10:53	S	1		X	X	X	X	X	30	10
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only						
<i>R. Krowe</i>	6/19/19	14:42	<i>Jason G. Krowe</i>	6/19/19	14:42	**Received on Ice Y/ N						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1	T2	T3				
						AVG Temp °C	4					

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing Info:



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 Ph (970) 259-0615 Fx (800) 362-1879

envirotech inc.com
 laboratory@envirotech-inc.com

Client: Whiptail Midstream LLC.
 Project: 208 Receiver
 Sampler: Gunnar Westerman, Kevin Fox
 Phone: 970-683-0648; 970-261-2015
 Email(s): gwesterman@hrlcomp.com; Krowe@hrlcomp.com
 Project Manager: Gunnar Westerman; Kris Rove

RUSH?

☒ 1d
☐ 3d

Lab Use Only		Analysis and Method						Lab Only	
Lab WO#		GRO/DRO by 8015	BTX by 8021	TPH by 418.1	Chloride by 300.0	DRO/GRO 8015	GRO 8015	Lab Number	Correct Cont/Prsrv (s) Y/N
Job Number									
P 906085		17010-0011							

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTX by 8021	TPH by 418.1	Chloride by 300.0	DRO/GRO 8015	GRO 8015	Lab Number	Correct Cont/Prsrv (s) Y/N
SPF 19	6/19/19	10:56	S	1		X	X	X	X	X	31	11
SPF 20	6/19/19	10:58	S	1		X	X	X	X	X	32	12
SPF 21	6/19/19	10:59	S	1		X	X	X	X	X	33	13
SPF 22	6/19/19	11:01	S	1		X	X	X	X	X	34	14
SPF 23	6/19/19	11:03	S	1		X	X	X	X	X	35	15
SPF 24	6/19/19	11:04	S	1		X	X	X	X	X	36	16
SPF 25	6/19/19	11:05	S	1		X	X	X	X	X	37	17
SPF 26	6/19/19	11:06	S	1		X	X	X	X	X	38	18
SPF 27	6/19/19	11:08	S	1		X	X	X	X	X	39	19
SPF 28	6/19/19	11:09	S	1		X	X	X	X	X	40	20

Relinquished by: (Signature) <u>[Signature]</u>	Date 6/19/19	Time 14:42	Received by: (Signature) <u>[Signature]</u>	Date 6/19/19	Time 14:42	Lab Use Only **Received on Ice ☒ Y ☐ N	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 _____	T2 _____
						AVG Temp °C <u>4</u>	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info:



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envirotech inc.com
 laboratory@envirotech inc.com

Analytical Report

Report Summary

Client: Whiptail Midstream LLC

Samples Received: 6/19/2019

Job Number: 17010-0011

Work Order: P906086

Project Name/Location: 208 Receiver

Report Reviewed By:



Date: 6/21/19

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
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Envirotech, Inc, currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.

Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 14:00

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SPF 29	P906086-01A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 30	P906086-02A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 31	P906086-03A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 32	P906086-04A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 33	P906086-05A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 34	P906086-06A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 35	P906086-07A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 36	P906086-08A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 37	P906086-09A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 38	P906086-10A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 39	P906086-11A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 40	P906086-12A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 41	P906086-13A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 42	P906086-14A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.

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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 14:00

SPF 29
P906086-01 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		99.7 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	
Surrogate: Toluene-d8		98.1 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	
Surrogate: Bromofluorobenzene		95.6 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	25.1	25.0	mg/kg	1	1925030	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925030	06/19/19	06/20/19	EPA 8015D	
Surrogate: n-Nonane		99.7 %		50-200	1925030	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		99.7 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	
Surrogate: Toluene-d8		98.1 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	
Surrogate: Bromofluorobenzene		95.6 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925028	06/19/19	06/20/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 14:00

SPF 30
P906086-02 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		99.8 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		94.6 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	34.4	25.0	mg/kg	1	1925030	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925030	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		98.6 %		50-200	1925030	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		99.8 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		94.6 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925028	06/19/19	06/20/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 14:00

SPF 31
P906086-03 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		98.3 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	
Surrogate: Toluene-d8		98.6 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	
Surrogate: Bromofluorobenzene		94.6 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925030	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925030	06/19/19	06/20/19	EPA 8015D	
Surrogate: n-Nonane		101 %		50-200	1925030	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		98.3 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	
Surrogate: Toluene-d8		98.6 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	
Surrogate: Bromofluorobenzene		94.6 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	26.1	20.0	mg/kg	1	1925028	06/19/19	06/20/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 14:00

SPF 32
P906086-04 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		98.6 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		96.8 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925030	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925030	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		99.0 %		50-200	1925030	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		98.6 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		96.8 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925028	06/19/19	06/20/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 14:00

SPF 33
P906086-05 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		97.9 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		96.1 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925030	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925030	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		101 %		50-200	1925030	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		97.9 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		96.1 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	45.5	20.0	mg/kg	1	1925028	06/19/19	06/20/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 14:00

SPF 34
P906086-06 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		98.7 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	
Surrogate: Toluene-d8		97.8 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	
Surrogate: Bromofluorobenzene		93.3 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	722	25.0	mg/kg	1	1925030	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	128	50.0	mg/kg	1	1925030	06/19/19	06/20/19	EPA 8015D	
Surrogate: n-Nonane		104 %		50-200	1925030	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		98.7 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	
Surrogate: Toluene-d8		97.8 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	
Surrogate: Bromofluorobenzene		93.3 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	22.1	20.0	mg/kg	1	1925028	06/19/19	06/20/19	EPA 300.0/9056A	
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Whiptail Midstream LLC	Project Name:	208 Receiver	Reported: 06/21/19 14:00
504 S. Bloomfield Blvd.	Project Number:	17010-0011	
Bloomfield NM, 87413	Project Manager:	Gunner Westerman	

SPF 35
P906086-07 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		98.8 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		95.9 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	74.3	25.0	mg/kg	1	1925030	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925030	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		87.8 %		50-200	1925030	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		98.8 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		95.9 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925028	06/19/19	06/20/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 14:00

SPF 36
P906086-08 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		95.6 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	
Surrogate: Toluene-d8		100 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	
Surrogate: Bromofluorobenzene		97.9 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925030	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925030	06/19/19	06/20/19	EPA 8015D	
Surrogate: n-Nonane		91.4 %		50-200	1925030	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		95.6 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	
Surrogate: Toluene-d8		100 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	
Surrogate: Bromofluorobenzene		97.9 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925028	06/19/19	06/20/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 14:00

SPF 37
P906086-09 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		101 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925030	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925030	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		92.2 %		50-200	1925030	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		101 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925028	06/19/19	06/20/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 14:00

SPF 38
P906086-10 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.6 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		101 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		98.2 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925030	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925030	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		93.5 %		50-200	1925030	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.6 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		101 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		98.2 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925028	06/19/19	06/20/19	EPA 300.0/9056A	
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Whiptail Midstream LLC	Project Name:	208 Receiver	
504 S. Bloomfield Blvd.	Project Number:	17010-0011	Reported:
Bloomfield NM, 87413	Project Manager:	Gunner Westerman	06/21/19 14:00

SPF 39
P906086-11 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.3 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		103 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		100 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925030	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925030	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		92.5 %		50-200	1925030	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.3 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		103 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		100 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925028	06/19/19	06/20/19	EPA 300.0/9056A	
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Whiptail Midstream LLC	Project Name:	208 Receiver	Reported: 06/21/19 14:00
504 S. Bloomfield Blvd.	Project Number:	17010-0011	
Bloomfield NM, 87413	Project Manager:	Gunner Westerman	

SPF 40
P906086-12 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		101 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		100 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925030	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925030	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		97.6 %		50-200	1925030	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		101 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		100 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925028	06/19/19	06/20/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 14:00

SPF 41
P906086-13 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		96.1 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	
Surrogate: Toluene-d8		103 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	
Surrogate: Bromofluorobenzene		98.7 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925030	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925030	06/19/19	06/20/19	EPA 8015D	
Surrogate: n-Nonane		87.2 %		50-200	1925030	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		96.1 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	
Surrogate: Toluene-d8		103 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	
Surrogate: Bromofluorobenzene		98.7 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925028	06/19/19	06/20/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 14:00

SPF 42
P906086-14 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.4 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		101 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		99.8 %		70-130	1925025	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925030	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925030	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		96.8 %		50-200	1925030	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925025	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.4 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		101 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		99.8 %		70-130	1925025	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925028	06/19/19	06/20/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 14:00

Volatile Organic Compounds by 8260 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1925025 - Purge and Trap EPA 5030A
Blank (1925025-BLK1)

Prepared: 06/19/19 1 Analyzed: 06/21/19 0

Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
Surrogate: 1,2-Dichloroethane-d4	0.496		"	0.500		99.1	70-130			
Surrogate: Toluene-d8	0.495		"	0.500		98.9	70-130			
Surrogate: Bromofluorobenzene	0.471		"	0.500		94.2	70-130			

LCS (1925025-BS1)

Prepared: 06/19/19 1 Analyzed: 06/21/19 0

Benzene	2.47	0.0250	mg/kg	2.50		98.8	70-130			
Toluene	2.55	0.0250	"	2.50		102	70-130			
Ethylbenzene	2.51	0.0250	"	2.50		100	70-130			
p,m-Xylene	4.93	0.0500	"	5.00		98.6	70-130			
o-Xylene	2.47	0.0250	"	2.50		98.8	70-130			
Total Xylenes	7.40	0.0250	"	7.50		98.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		"	0.500		99.7	70-130			
Surrogate: Toluene-d8	0.500		"	0.500		99.9	70-130			
Surrogate: Bromofluorobenzene	0.486		"	0.500		97.2	70-130			

Matrix Spike (1925025-MS1)

Source: P906086-01

Prepared: 06/19/19 1 Analyzed: 06/21/19 0

Benzene	2.25	0.0250	mg/kg	2.50	ND	90.0	48-131			
Toluene	2.25	0.0250	"	2.50	ND	90.1	48-130			
Ethylbenzene	2.24	0.0250	"	2.50	ND	89.5	45-135			
p,m-Xylene	4.43	0.0500	"	5.00	ND	88.5	43-135			
o-Xylene	2.21	0.0250	"	2.50	ND	88.2	43-135			
Total Xylenes	6.63	0.0250	"	7.50	ND	88.4	43-135			
Surrogate: 1,2-Dichloroethane-d4	0.507		"	0.500		101	70-130			
Surrogate: Toluene-d8	0.497		"	0.500		99.3	70-130			
Surrogate: Bromofluorobenzene	0.488		"	0.500		97.5	70-130			

Matrix Spike Dup (1925025-MSD1)

Source: P906086-01

Prepared: 06/19/19 1 Analyzed: 06/21/19 1

Benzene	2.42	0.0250	mg/kg	2.50	ND	97.0	48-131	7.47	23	
Toluene	2.47	0.0250	"	2.50	ND	98.8	48-130	9.19	24	
Ethylbenzene	2.44	0.0250	"	2.50	ND	97.7	45-135	8.78	27	
p,m-Xylene	4.81	0.0500	"	5.00	ND	96.3	43-135	8.39	27	
o-Xylene	2.40	0.0250	"	2.50	ND	96.1	43-135	8.51	27	
Total Xylenes	7.22	0.0250	"	7.50	ND	96.2	43-135	8.43	27	
Surrogate: 1,2-Dichloroethane-d4	0.511		"	0.500		102	70-130			
Surrogate: Toluene-d8	0.497		"	0.500		99.4	70-130			
Surrogate: Bromofluorobenzene	0.491		"	0.500		98.1	70-130			

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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 14:00

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1925030 - DRO Extraction EPA 3570
Blank (1925030-BLK1)

Prepared: 06/19/19 1 Analyzed: 06/20/19 2

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	51.2		"	50.0		102	50-200			

LCS (1925030-BS1)

Prepared: 06/19/19 1 Analyzed: 06/20/19 2

Diesel Range Organics (C10-C28)	453	25.0	mg/kg	500		90.5	38-132			
Surrogate: n-Nonane	50.5		"	50.0		101	50-200			

Matrix Spike (1925030-MS1)

Source: P906084-01

Prepared: 06/19/19 1 Analyzed: 06/20/19 2

Diesel Range Organics (C10-C28)	484	25.0	mg/kg	500	79.4	80.9	38-132			
Surrogate: n-Nonane	51.9		"	50.0		104	50-200			

Matrix Spike Dup (1925030-MSD1)

Source: P906084-01

Prepared: 06/19/19 1 Analyzed: 06/20/19 2

Diesel Range Organics (C10-C28)	482	25.0	mg/kg	500	79.4	80.6	38-132	0.404	20	
Surrogate: n-Nonane	50.7		"	50.0		101	50-200			

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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 14:00

Nonhalogenated Organics by 8015 - GRO - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1925025 - Purge and Trap EPA 5030A
Blank (1925025-BLK1)

Prepared: 06/19/19 1 Analyzed: 06/21/19 0

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1,2-Dichloroethane-d4	0.496		"	0.500		99.1	70-130			
Surrogate: Toluene-d8	0.495		"	0.500		98.9	70-130			
Surrogate: Bromofluorobenzene	0.471		"	0.500		94.2	70-130			

LCS (1925025-BS2)

Prepared: 06/19/19 1 Analyzed: 06/21/19 0

Gasoline Range Organics (C6-C10)	49.3	20.0	mg/kg	50.0		98.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.519		"	0.500		104	70-130			
Surrogate: Toluene-d8	0.493		"	0.500		98.5	70-130			
Surrogate: Bromofluorobenzene	0.481		"	0.500		96.1	70-130			

Matrix Spike (1925025-MS2)

Source: P906086-01

Prepared: 06/19/19 1 Analyzed: 06/21/19 1

Gasoline Range Organics (C6-C10)	50.9	20.0	mg/kg	50.0	ND	102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		"	0.500		95.9	70-130			
Surrogate: Toluene-d8	0.501		"	0.500		100	70-130			
Surrogate: Bromofluorobenzene	0.488		"	0.500		97.6	70-130			

Matrix Spike Dup (1925025-MSD2)

Source: P906086-01

Prepared: 06/19/19 1 Analyzed: 06/21/19 1

Gasoline Range Organics (C6-C10)	47.7	20.0	mg/kg	50.0	ND	95.5	70-130	6.36	20	
Surrogate: 1,2-Dichloroethane-d4	0.500		"	0.500		100	70-130			
Surrogate: Toluene-d8	0.491		"	0.500		98.2	70-130			
Surrogate: Bromofluorobenzene	0.482		"	0.500		96.4	70-130			

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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 14:00

Anions by 300.0/9056A - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1925028 - Anion Extraction EPA 300.0/9056A
Blank (1925028-BLK1)

Prepared: 06/19/19 1 Analyzed: 06/20/19 0

Chloride ND 20.0 mg/kg

LCS (1925028-BS1)

Prepared: 06/19/19 1 Analyzed: 06/20/19 0

Chloride 268 20.0 mg/kg 250 107 90-110

Matrix Spike (1925028-MS1)
Source: P906086-01

Prepared: 06/19/19 1 Analyzed: 06/20/19 1

Chloride 265 20.0 mg/kg 250 ND 106 80-120

Matrix Spike Dup (1925028-MSD1)
Source: P906086-01

Prepared: 06/19/19 1 Analyzed: 06/20/19 1

Chloride 267 20.0 mg/kg 250 ND 107 80-120 0.644 20

QC Summary Report
Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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Whiptail Midstream LLC
504 S. Bloomfield Blvd.
Bloomfield NM, 87413

Project Name: 208 Receiver
Project Number: 17010-0011
Project Manager: Gunner Westerman

Reported:
06/21/19 14:00

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
RPD Relative Percent Difference
** Methods marked with ** are non-accredited methods.

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Client: Whiptail MidstreamProject: 208 Receiver

Sampler:

Phone:

Email(s):

Project Manager:

RUSH?

☒ 1d
☐ 3d

Page

Lab Use Only

Lab WO#

P906086

Job Number

17010-0011

Analysis and Method

Lab Only

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	THU by 418.1	Chloride by 300.0	DRO/ORO 8015	GRO 8015	Lab Number	Correct Cont/Prsrv (s) Y/N
SPF 29	6/19/19		S	1		X	X	X	X	X	41	
SPF 30	6/19/19		S	1		X	X	X	X	X	42	
SPF 31	6/19/19		S	1		X	X	X	X	X	43	
SPF 32	6/19/19		S	1		X	X	X	X	X	44	
SPF 33	6/19/19		S	1		X	X	X	X	X	45	
SPF 34	6/19/19		S	1		X	X	X	X	X	46	
SPF 35	6/19/19		S	1		X	X	X	X	X	47	
SPF 36	6/19/19		S	1		X	X	X	X	X	48	
SPF 37	6/19/19		S	1		X	X	X	X	X	49	
SPF 38	6/19/19		S	1		X	X	X	X	X	50	

Relinquished by: (Signature) <i>R. [Signature]</i>	Date 6/19/19	Time 14:43	Received by: (Signature) <i>James A. [Signature]</i>	Date 6/19/19	Time 14:43	Lab Use Only **Received on Ice Y ☒ N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info:



5796 US Highway 64, Farmington, NM 87401

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879

 envirotech-inc.com
 laboratory@envirotech-inc.com

Client: Whiptail Midstream
 Project: 208 Receiver
 Sampler: _____
 Phone: _____
 Email(s): _____
 Project Manager: _____

RUSH?

☒ 1d
☐ 3d

Lab Use Only		Analysis and Method						Lab Only	
Lab WO#		GRO/DRO by 8015	BTEx by 8021	MPA by 418.1	Chloride by 300.0	Deo/oro 8015	Gro 8015	Lab Number	Correct Cont/Prsrv (s) Y/N
Job Number									
P 906086									
17010-0011									

Page 1 of 1

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEx by 8021	MPA by 418.1	Chloride by 300.0	Deo/oro 8015	Gro 8015	Lab Number	Correct Cont/Prsrv (s) Y/N
SPF 39	6/19/19		S	1		X	X	X	X	X	51	
SPF 40	6/19/19		S	1		X	X	X	X	X	52	
SPF 41	6/19/19		S	1		X	X	X	X	X	53	
SPF 42	6/19/19		S	1		X	X	X	X	X	54	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only						
<i>B. [Signature]</i>	6/19/19	14:44	<i>Jessie A. [Signature]</i>	6/19/19	14:44	**Received on Ice Y / N						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 _____ T2 _____ T3 _____						
						AVG Temp °C <u>4</u>						

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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 laboratory@envirotech-inc.com

Client: Whiptail MidstreamProject: 208 ReceiverSampler: Kevin Fox, Gunnar WestermanPhone: 970-683-0608 / 970-261-2015 (Kris R)Email(s): gwesterman@hrlcomp.com, krowe@hrlcomp.comProject Manager: Gunnar Westerman, Kris Rowe

RUSH?

☒ 1d
☐ 3d

Lab Use Only

Lab WO#

P906086

Job Number

17010-0011

Analysis and Method

Lab Only

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	THC by 410:1	Chloride by 300.0	DRO/ORO 8015	GRO 8015	Lab Number	Correct Cont/Prsrv (s) Y/N
SPF 29	6/19/19	11:11	S	1		X	X	X	X	X	41	01
SPF 30	6/19/19	11:13	S	1		X	X	X	X	X	42	02
SPF 31	6/19/19	11:14	S	1		X	X	X	X	X	43	03
SPF 32	6/19/19	11:15	S	1		X	X	X	X	X	44	04
SPF 33	6/19/19	11:17	S	1		X	X	X	X	X	45	05
SPF 34	6/19/19	11:19	S	1		X	X	X	X	X	46	06
SPF 35	6/19/19	11:20	S	1		X	X	X	X	X	47	07
SPF 36	6/19/19	11:21	S	1		X	X	X	X	X	48	08
SPF 37	6/19/19	11:22	S	1		X	X	X	X	X	49	09
SPF 38	6/19/19	11:23	S	1		X	X	X	X	X	50	10

Relinquished by: (Signature) <u>R. [Signature]</u>	Date <u>6/19/19</u>	Time <u>14:43</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>6/19/19</u>	Time <u>14:43</u>	Lab Use Only **Received on Ice <u>Y</u> N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info:



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Ph (970) 259-0615 Fr (800) 362-1879

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 laboratory@envirotech-inc.com

Client: Whiptail Midstream
 Project: 208 Receiver
 Sampler: _____
 Phone: _____
 Email(s): _____
 Project Manager: _____

RUSH?

☒ 1d
☐ 3d

Lab Use Only		Analysis and Method						Lab Only	
Lab WO# <u>P 906086</u>		GRO/DRO by 8015	BTEX by 8021	pH by 418.1	Chloride by 300.0	Deo/oro 8015	Gre 8015	Lab Number	Correct Cont/Prsr (s) Y/N
Job Number <u>17010-0011</u>									
Page <u>1</u> of <u>1</u>									

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	pH by 418.1	Chloride by 300.0	Deo/oro 8015	Gre 8015	Lab Number	Correct Cont/Prsr (s) Y/N
SPF 39	6/19/19	11:25	S	1		X	X	X	X	X	51	11
SPF 40	6/19/19	11:27	S	1		X	X	X	X	X	52	12
SPF 41	6/19/19	11:28	S	1		X	X	X	X	X	53	13
SPF 42	6/19/19	11:30	S	1		X	X	X	X	X	54	14
Relinquished by: (Signature) <u>B. [Signature]</u>	Date <u>6/19/19</u>	Time <u>14:44</u>	Received by: (Signature) <u>Jessie [Signature]</u>	Date <u>6/19/19</u>	Time <u>14:44</u>	Lab Use Only **Received on Ice <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time							

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

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 Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

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 Ph (970) 259-0615 Fx (800) 362-1879

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 laboratory@envirotech-inc.com

Analytical Report

Report Summary

Client: Whiptail Midstream LLC

Samples Received: 6/19/2019

Job Number: 17010-0011

Work Order: P906083

Project Name/Location: 208 Receiver

Report Reviewed By:



Date: 6/21/19

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
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Envirotech, Inc, currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.

Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:45

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1	P906083-01A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SW2	P906083-02A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SW3	P906083-03A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SW4	P906083-04A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SW5	P906083-05A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SW6	P906083-06A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SW7	P906083-07A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SW8	P906083-08A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SW9	P906083-09A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SW10	P906083-10A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SW11	P906083-11A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SW12	P906083-12A	Soil	06/19/19	06/19/19	Glass Jar, 4 oz.
SPF 1	P906083-13A	Soil	06/18/19	06/19/19	Glass Jar, 8 oz.
SPF 2	P906083-14A	Soil	06/18/19	06/19/19	Glass Jar, 8 oz.
SPF 3	P906083-15A	Soil	06/18/19	06/19/19	Glass Jar, 8 oz.
SPF 4	P906083-16A	Soil	06/18/19	06/19/19	Glass Jar, 8 oz.
SPF 5	P906083-17A	Soil	06/18/19	06/19/19	Glass Jar, 8 oz.
SPF 6	P906083-18A	Soil	06/18/19	06/19/19	Glass Jar, 8 oz.
SPF 7	P906083-19A	Soil	06/18/19	06/19/19	Glass Jar, 8 oz.
SPF 8	P906083-20A	Soil	06/18/19	06/19/19	Glass Jar, 8 oz.

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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:45

SW1
P906083-01 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		98.2 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		95.9 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925023	06/19/19	06/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925023	06/19/19	06/19/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		98.9 %		50-200	1925023	06/19/19	06/19/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		98.2 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		95.9 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925026	06/19/19	06/19/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:45

SW2
P906083-02 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		97.5 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		96.8 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925023	06/19/19	06/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925023	06/19/19	06/19/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		98.8 %		50-200	1925023	06/19/19	06/19/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		97.5 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		96.8 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925026	06/19/19	06/19/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:45

SW3
P906083-03 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>101 %</i>		<i>70-130</i>	<i>1925022</i>	<i>06/19/19</i>	<i>06/20/19</i>	<i>EPA 8260B</i>	
<i>Surrogate: Toluene-d8</i>		<i>99.4 %</i>		<i>70-130</i>	<i>1925022</i>	<i>06/19/19</i>	<i>06/20/19</i>	<i>EPA 8260B</i>	
<i>Surrogate: Bromofluorobenzene</i>		<i>96.5 %</i>		<i>70-130</i>	<i>1925022</i>	<i>06/19/19</i>	<i>06/20/19</i>	<i>EPA 8260B</i>	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925023	06/19/19	06/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925023	06/19/19	06/19/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		<i>99.0 %</i>		<i>50-200</i>	<i>1925023</i>	<i>06/19/19</i>	<i>06/19/19</i>	<i>EPA 8015D</i>	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>101 %</i>		<i>70-130</i>	<i>1925022</i>	<i>06/19/19</i>	<i>06/20/19</i>	<i>EPA 8015D</i>	
<i>Surrogate: Toluene-d8</i>		<i>99.4 %</i>		<i>70-130</i>	<i>1925022</i>	<i>06/19/19</i>	<i>06/20/19</i>	<i>EPA 8015D</i>	
<i>Surrogate: Bromofluorobenzene</i>		<i>96.5 %</i>		<i>70-130</i>	<i>1925022</i>	<i>06/19/19</i>	<i>06/20/19</i>	<i>EPA 8015D</i>	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925026	06/19/19	06/19/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:45

SW4
P906083-04 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		98.5 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		95.4 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925023	06/19/19	06/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925023	06/19/19	06/19/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		95.4 %		50-200	1925023	06/19/19	06/19/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		98.5 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		95.4 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925026	06/19/19	06/19/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:45

SW5
P906083-05 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		97.4 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		94.4 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	36.7	25.0	mg/kg	1	1925023	06/19/19	06/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925023	06/19/19	06/19/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		97.2 %		50-200	1925023	06/19/19	06/19/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		97.4 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		94.4 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925026	06/19/19	06/19/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:45

SW6
P906083-06 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.4 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		99.4 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		96.2 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	110	25.0	mg/kg	1	1925023	06/19/19	06/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925023	06/19/19	06/19/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		96.9 %		50-200	1925023	06/19/19	06/19/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.4 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		99.4 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		96.2 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925026	06/19/19	06/19/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:45

SW7
P906083-07 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.3 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		99.2 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925023	06/19/19	06/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925023	06/19/19	06/19/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		97.9 %		50-200	1925023	06/19/19	06/19/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.3 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		99.2 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925026	06/19/19	06/19/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:45

SW8
P906083-08 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		98.8 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
Surrogate: Toluene-d8		100 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
Surrogate: Bromofluorobenzene		95.9 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	115	25.0	mg/kg	1	1925023	06/19/19	06/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925023	06/19/19	06/19/19	EPA 8015D	
Surrogate: n-Nonane		98.5 %		50-200	1925023	06/19/19	06/19/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		98.8 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
Surrogate: Toluene-d8		100 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
Surrogate: Bromofluorobenzene		95.9 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925026	06/19/19	06/19/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:45

SW9
P906083-09 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>103 %</i>		<i>70-130</i>	<i>1925022</i>	<i>06/19/19</i>	<i>06/20/19</i>	<i>EPA 8260B</i>	
<i>Surrogate: Toluene-d8</i>		<i>99.0 %</i>		<i>70-130</i>	<i>1925022</i>	<i>06/19/19</i>	<i>06/20/19</i>	<i>EPA 8260B</i>	
<i>Surrogate: Bromofluorobenzene</i>		<i>95.6 %</i>		<i>70-130</i>	<i>1925022</i>	<i>06/19/19</i>	<i>06/20/19</i>	<i>EPA 8260B</i>	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925023	06/19/19	06/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925023	06/19/19	06/19/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		<i>100 %</i>		<i>50-200</i>	<i>1925023</i>	<i>06/19/19</i>	<i>06/19/19</i>	<i>EPA 8015D</i>	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>103 %</i>		<i>70-130</i>	<i>1925022</i>	<i>06/19/19</i>	<i>06/20/19</i>	<i>EPA 8015D</i>	
<i>Surrogate: Toluene-d8</i>		<i>99.0 %</i>		<i>70-130</i>	<i>1925022</i>	<i>06/19/19</i>	<i>06/20/19</i>	<i>EPA 8015D</i>	
<i>Surrogate: Bromofluorobenzene</i>		<i>95.6 %</i>		<i>70-130</i>	<i>1925022</i>	<i>06/19/19</i>	<i>06/20/19</i>	<i>EPA 8015D</i>	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925026	06/19/19	06/19/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:45

SW10
P906083-10 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		99.3 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
Surrogate: Toluene-d8		101 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
Surrogate: Bromofluorobenzene		94.8 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925023	06/19/19	06/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925023	06/19/19	06/19/19	EPA 8015D	
Surrogate: n-Nonane		95.9 %		50-200	1925023	06/19/19	06/19/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		99.3 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
Surrogate: Toluene-d8		101 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
Surrogate: Bromofluorobenzene		94.8 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925026	06/19/19	06/19/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:45

SW11
P906083-11 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		99.0 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		95.8 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925023	06/19/19	06/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925023	06/19/19	06/19/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		96.7 %		50-200	1925023	06/19/19	06/19/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		99.0 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		95.8 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925026	06/19/19	06/19/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:45

SW12
P906083-12 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		98.2 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		96.5 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925023	06/19/19	06/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925023	06/19/19	06/19/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		97.4 %		50-200	1925023	06/19/19	06/19/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		98.2 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		96.5 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925026	06/19/19	06/19/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:45

SPF 1
P906083-13 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.5 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		100 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		95.8 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925023	06/19/19	06/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925023	06/19/19	06/19/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		97.5 %		50-200	1925023	06/19/19	06/19/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.5 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		100 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		95.8 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925026	06/19/19	06/19/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:45

SPF 2
P906083-14 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		97.8 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
Surrogate: Toluene-d8		99.7 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
Surrogate: Bromofluorobenzene		96.6 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	128	25.0	mg/kg	1	1925023	06/19/19	06/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925023	06/19/19	06/19/19	EPA 8015D	
Surrogate: n-Nonane		98.7 %		50-200	1925023	06/19/19	06/19/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		97.8 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
Surrogate: Toluene-d8		99.7 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
Surrogate: Bromofluorobenzene		96.6 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925026	06/19/19	06/19/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:45

SPF 3
P906083-15 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		97.9 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		97.1 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925023	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925023	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		101 %		50-200	1925023	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		97.9 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		97.1 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925026	06/19/19	06/20/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:45

SPF 4
P906083-16 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/21/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/21/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/21/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925022	06/19/19	06/21/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/21/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925022	06/19/19	06/21/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %		70-130	1925022	06/19/19	06/21/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		98.0 %		70-130	1925022	06/19/19	06/21/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		96.8 %		70-130	1925022	06/19/19	06/21/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925023	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925023	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		97.4 %		50-200	1925023	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925022	06/19/19	06/21/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %		70-130	1925022	06/19/19	06/21/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		98.0 %		70-130	1925022	06/19/19	06/21/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		96.8 %		70-130	1925022	06/19/19	06/21/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925026	06/19/19	06/20/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:45

SPF 5
P906083-17 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/21/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/21/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/21/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925022	06/19/19	06/21/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/21/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925022	06/19/19	06/21/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.1 %		70-130	1925022	06/19/19	06/21/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		97.9 %		70-130	1925022	06/19/19	06/21/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		95.6 %		70-130	1925022	06/19/19	06/21/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925023	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925023	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		95.4 %		50-200	1925023	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925022	06/19/19	06/21/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.1 %		70-130	1925022	06/19/19	06/21/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		97.9 %		70-130	1925022	06/19/19	06/21/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		95.6 %		70-130	1925022	06/19/19	06/21/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925026	06/19/19	06/20/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:45

SPF 6
P906083-18 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/21/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/21/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/21/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925022	06/19/19	06/21/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/21/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925022	06/19/19	06/21/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %		70-130	1925022	06/19/19	06/21/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		98.7 %		70-130	1925022	06/19/19	06/21/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		95.8 %		70-130	1925022	06/19/19	06/21/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925023	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925023	06/19/19	06/20/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		97.1 %		50-200	1925023	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925022	06/19/19	06/21/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %		70-130	1925022	06/19/19	06/21/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		98.7 %		70-130	1925022	06/19/19	06/21/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		95.8 %		70-130	1925022	06/19/19	06/21/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925026	06/19/19	06/20/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:45

SPF 7
P906083-19 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		98.5 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
Surrogate: Toluene-d8		97.8 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
Surrogate: Bromofluorobenzene		94.6 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925023	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925023	06/19/19	06/20/19	EPA 8015D	
Surrogate: n-Nonane		98.4 %		50-200	1925023	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		98.5 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
Surrogate: Toluene-d8		97.8 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
Surrogate: Bromofluorobenzene		94.6 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925026	06/19/19	06/20/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:45

SPF 8
P906083-20 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		100 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
Surrogate: Toluene-d8		99.1 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	
Surrogate: Bromofluorobenzene		97.4 %		70-130	1925022	06/19/19	06/20/19	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1925023	06/19/19	06/20/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1925023	06/19/19	06/20/19	EPA 8015D	
Surrogate: n-Nonane		97.1 %		50-200	1925023	06/19/19	06/20/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1925022	06/19/19	06/20/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		100 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
Surrogate: Toluene-d8		99.1 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	
Surrogate: Bromofluorobenzene		97.4 %		70-130	1925022	06/19/19	06/20/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1925026	06/19/19	06/20/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:45

Volatile Organic Compounds by 8260 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1925022 - Purge and Trap EPA 5030A
Blank (1925022-BLK1)

Prepared: 06/19/19 1 Analyzed: 06/21/19 0

Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
Surrogate: 1,2-Dichloroethane-d4	0.511		"	0.500		102	70-130			
Surrogate: Toluene-d8	0.493		"	0.500		98.5	70-130			
Surrogate: Bromofluorobenzene	0.477		"	0.500		95.4	70-130			

LCS (1925022-BS1)

Prepared: 06/19/19 1 Analyzed: 06/21/19 0

Benzene	2.37	0.0250	mg/kg	2.50		94.6	70-130			
Toluene	2.40	0.0250	"	2.50		95.8	70-130			
Ethylbenzene	2.37	0.0250	"	2.50		94.9	70-130			
p,m-Xylene	4.67	0.0500	"	5.00		93.4	70-130			
o-Xylene	2.34	0.0250	"	2.50		93.5	70-130			
Total Xylenes	7.01	0.0250	"	7.50		93.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		"	0.500		99.3	70-130			
Surrogate: Toluene-d8	0.499		"	0.500		99.7	70-130			
Surrogate: Bromofluorobenzene	0.488		"	0.500		97.6	70-130			

Matrix Spike (1925022-MS1)

Source: P906083-01

Prepared: 06/19/19 1 Analyzed: 06/21/19 0

Benzene	2.32	0.0250	mg/kg	2.50	ND	92.8	48-131			
Toluene	2.39	0.0250	"	2.50	ND	95.4	48-130			
Ethylbenzene	2.35	0.0250	"	2.50	ND	94.0	45-135			
p,m-Xylene	4.64	0.0500	"	5.00	ND	92.8	43-135			
o-Xylene	2.32	0.0250	"	2.50	ND	92.6	43-135			
Total Xylenes	6.96	0.0250	"	7.50	ND	92.8	43-135			
Surrogate: 1,2-Dichloroethane-d4	0.509		"	0.500		102	70-130			
Surrogate: Toluene-d8	0.495		"	0.500		98.9	70-130			
Surrogate: Bromofluorobenzene	0.487		"	0.500		97.4	70-130			

Matrix Spike Dup (1925022-MSD1)

Source: P906083-01

Prepared: 06/19/19 1 Analyzed: 06/21/19 0

Benzene	2.31	0.0250	mg/kg	2.50	ND	92.4	48-131	0.453	23	
Toluene	2.33	0.0250	"	2.50	ND	93.2	48-130	2.33	24	
Ethylbenzene	2.30	0.0250	"	2.50	ND	92.1	45-135	2.02	27	
p,m-Xylene	4.55	0.0500	"	5.00	ND	90.9	43-135	2.09	27	
o-Xylene	2.27	0.0250	"	2.50	ND	90.7	43-135	2.12	27	
Total Xylenes	6.81	0.0250	"	7.50	ND	90.8	43-135	2.10	27	
Surrogate: 1,2-Dichloroethane-d4	0.516		"	0.500		103	70-130			
Surrogate: Toluene-d8	0.498		"	0.500		99.5	70-130			
Surrogate: Bromofluorobenzene	0.488		"	0.500		97.5	70-130			

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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:45

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1925023 - DRO Extraction EPA 3570
Blank (1925023-BLK1)

Prepared: 06/19/19 1 Analyzed: 06/20/19 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	48.4		"	50.0		96.7	50-200			

LCS (1925023-BS1)

Prepared: 06/19/19 1 Analyzed: 06/20/19 1

Diesel Range Organics (C10-C28)	428	25.0	mg/kg	500		85.5	38-132			
Surrogate: n-Nonane	46.1		"	50.0		92.3	50-200			

Matrix Spike (1925023-MS1)

Source: P906083-01

Prepared: 06/19/19 1 Analyzed: 06/20/19 1

Diesel Range Organics (C10-C28)	434	25.0	mg/kg	500	ND	86.8	38-132			
Surrogate: n-Nonane	49.8		"	50.0		99.6	50-200			

Matrix Spike Dup (1925023-MSD1)

Source: P906083-01

Prepared: 06/19/19 1 Analyzed: 06/20/19 2

Diesel Range Organics (C10-C28)	445	25.0	mg/kg	500	ND	89.0	38-132	2.52	20	
Surrogate: n-Nonane	50.9		"	50.0		102	50-200			

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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:45

Nonhalogenated Organics by 8015 - GRO - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1925022 - Purge and Trap EPA 5030A
Blank (1925022-BLK1)

Prepared: 06/19/19 1 Analyzed: 06/21/19 0

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1,2-Dichloroethane-d4	0.511		"	0.500		102	70-130			
Surrogate: Toluene-d8	0.493		"	0.500		98.5	70-130			
Surrogate: Bromofluorobenzene	0.477		"	0.500		95.4	70-130			

LCS (1925022-BS2)

Prepared: 06/19/19 1 Analyzed: 06/21/19 0

Gasoline Range Organics (C6-C10)	47.8	20.0	mg/kg	50.0		95.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		"	0.500		101	70-130			
Surrogate: Toluene-d8	0.499		"	0.500		99.8	70-130			
Surrogate: Bromofluorobenzene	0.477		"	0.500		95.4	70-130			

Matrix Spike (1925022-MS2)

Source: P906083-01

Prepared: 06/19/19 1 Analyzed: 06/21/19 0

Gasoline Range Organics (C6-C10)	51.1	20.0	mg/kg	50.0	ND	102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.516		"	0.500		103	70-130			
Surrogate: Toluene-d8	0.490		"	0.500		98.0	70-130			
Surrogate: Bromofluorobenzene	0.482		"	0.500		96.4	70-130			

Matrix Spike Dup (1925022-MSD2)

Source: P906083-01

Prepared: 06/19/19 1 Analyzed: 06/21/19 0

Gasoline Range Organics (C6-C10)	47.2	20.0	mg/kg	50.0	ND	94.4	70-130	7.99	20	
Surrogate: 1,2-Dichloroethane-d4	0.524		"	0.500		105	70-130			
Surrogate: Toluene-d8	0.495		"	0.500		98.9	70-130			
Surrogate: Bromofluorobenzene	0.487		"	0.500		97.3	70-130			

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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 06/21/19 13:45

Anions by 300.0/9056A - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1925026 - Anion Extraction EPA 300.0/9056A
Blank (1925026-BLK1)

Prepared: 06/19/19 1 Analyzed: 06/20/19 0

Chloride ND 20.0 mg/kg

LCS (1925026-BS1)

Prepared: 06/19/19 1 Analyzed: 06/20/19 0

Chloride 266 20.0 mg/kg 250 106 90-110

Matrix Spike (1925026-MS1)
Source: P906083-01

Prepared: 06/19/19 1 Analyzed: 06/20/19 1

Chloride 262 20.0 mg/kg 250 ND 105 80-120

Matrix Spike Dup (1925026-MSD1)
Source: P906083-01

Prepared: 06/19/19 1 Analyzed: 06/20/19 1

Chloride 262 20.0 mg/kg 250 ND 105 80-120 0.317 20

QC Summary Report
Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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Whiptail Midstream LLC
504 S. Bloomfield Blvd.
Bloomfield NM, 87413

Project Name: 208 Receiver
Project Number: 17010-0011
Project Manager: Gunner Westerman

Reported:
06/21/19 13:45

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
RPD Relative Percent Difference
** Methods marked with ** are non-accredited methods.

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Client: Whiptail Midstream LLC
 Project: 268 Receiver
 Sampler: Gunnar Westerman, Kevin Fox
 Phone: 970-683-0668; 970-261-2015 (KBR.)
 Email(s): gwesterman@hrlcomp.com, krowe@hrlcomp.com
 Project Manager: Gunnar Westerman, Kris Rowe

RUSH?

☒ 1d
☐ 3d

Lab Use Only		Analysis and Method						Lab Only	
Lab WO#		GRO/DRO by 8015	BTX by 8021	TPH by 419.1	Chloride by 300.0	MCP/DRO 8015	GRO 8015	Lab Number	Correct Cont/Prsrv (s) Y/N
Job Number									
P 906083									
17010-0011									
Page 1 of 1									

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTX by 8021	TPH by 419.1	Chloride by 300.0	MCP/DRO 8015	GRO 8015	Lab Number	Correct Cont/Prsrv (s) Y/N
SW1	6/19/19		S	1	X	X	X	X	X	X	1	
SW2	6/19/19		S	1	X	X	X	X	X	X	2	
SW3	6/19/19		S	1	X	X	X	X	X	X	3	
SW4	6/19/19		S	1	X	X	X	X	X	X	4	
SW5	6/19/19		S	1	X	X	X	X	X	X	5	
SW6	6/19/19		S	1	X	X	X	X	X	X	6	
SW7	6/19/19		S	1	X	X	X	X	X	X	7	
SW8	6/19/19		S	1	X	X	X	X	X	X	8	
SW9	6/19/19		S	1	X	X	X	X	X	X	9	
SW10	6/19/19		S	1	X	X	X	X	X	X	10	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only		
<i>[Signature]</i>	6/19/19	14:47	<i>[Signature]</i>	6/19/19	14:42	**Received on Ice Y / N		
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1	T2	T3
AVG Temp °C						4		

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info:



5796 US Highway 64, Farmington, NM 87401
 Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865
 Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com
 laboratory@envirotech-inc.com

Client: Whiptail Midstream LLC
Project: 208 Receiver
Sampler:
Phone:
Email(s):
Project Manager:

RUSH?
☒ 1d
☐ 3d

Lab Use Only		Analysis and Method						Lab Only	
Lab WO#		GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	DRO/8015	GRO/8015	Lab Number	Correct Cont/Prsrv (s) Y/N
Job Number									
P 906083 17010-001									

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	DRO/8015	GRO/8015	Lab Number	Correct Cont/Prsrv (s) Y/N
SW 11	6/19/19		S	1		X	X	X	X	X	11	
SW 12	6/19/19		S	1		X	X	X	X	X	12	
SPF 1	6/19/19		S	1		X	X	X	X	X	13	
SPF 2	6/19/19		S	1		X	X	X	X	X	14	
SPF 3	6/19/19		S	1		X	X	X	X	X	15	
SPF 4	6/19/19		S	1		X	X	X	X	X	16	
SPF 5	6/19/19		S	1		X	X	X	X	X	17	
SPF 6	6/19/19		S	1		X	X	X	X	X	18	
SPF 7	6/19/19		S	1		X	X	X	X	X	19	
SPF 8	6/19/19		S	1		X	X	X	X	X	20	

Relinquished by: (Signature) <u>R. [Signature]</u>	Date 6/19/19	Time 14:42	Received by: (Signature) <u>[Signature]</u>	Date 6/19/19	Time 14:42	Lab Use Only **Received on Ice Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

☐ Sample(s) dropped off after hours to a secure drop off area. Chain of Custody Notes/Billing info:



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Ph (970) 259-0615 Fr (800) 362-1879

www.envirotech-inc.com
laboratory@envirotech-inc.com

Client: Whiptail Midstream LLCProject: 268 ReceiverSampler: Gunnar Westerman, Kevin FoxPhone: 970-683-0668; 970-261-2015 (KRBR.)Email(s): gwesterman@hrcamp.com, krowe@hrcamp.comProject Manager: Gunnar Westerman, Kris Rowe

RUSH?

☒ 1d
☐ 3d

Lab Use Only		Analysis and Method				Lab Only	
Lab WO#		GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	DRO/DRO 8015	GRO 8015
Job Number							
P906083							
17010-0011							
1 of 1							

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	DRO/DRO 8015	GRO 8015	Lab Number	Correct Cont/Prsrv (s) Y/N
SW1	6/19/19	10:30	S	1	X	X	X	X	X		1	
SW2	6/19/19	10:30	S	1	X	X	X	X	X		2	
SW3	6/19/19	10:35	S	1	X	X	X	X	X		3	
SW4	6/19/19	10:37	S	1	X	X	X	X	X		4	
SW5	6/19/19	10:38	S	1	X	X	X	X	X		5	
SW6	6/19/19	10:39	S	1	X	X	X	X	X		6	
SW7	6/19/19	10:40	S	1	X	X	X	X	X		7	
SW8	6/19/19	10:41	S	1	X	X	X	X	X		8	
SW9	6/19/19	10:42	S	1	X	X	X	X	X		9	
SW10	6/19/19	10:44	S	1	X	X	X	X	X		10	

Relinquished by: (Signature) <i>[Signature]</i>	Date 6/19/19	Time 14:47	Received by: (Signature) <i>[Signature]</i>	Date 6/19/19	Time 14:42	Lab Use Only **Received on Ice ☒ Y ☐ N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 _____ T2 _____ T3 _____
						AVG Temp °C <u>4</u>

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

☐ Sample(s) dropped off after hours to a secure drop off area.	Chain of Custody	Notes/Billing info:
---	------------------	---------------------



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Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

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Ph (970) 259-0615 Fr (800) 362-1879

 www.envirotech-inc.com
 Laboratory@envirotech-inc.com

Client: Whipnail Midstream LLCProject: 208 ReceiverSampler: Gunnar Westerman, Kevin FoxPhone: 970-683-0668 ; 970-261-2015 (Kris R)Email(s): gwesterman@hrlcomp.com, Krowe@hrlcomp.comProject Manager: Gunnar Westerman, Kris Rowe

RUSH?

☒ 1d
☐ 3d

Page

Lab Use Only

Lab WO#

P906083

Job Number

17010-0011

Analysis and Method

lab Only

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPER/Preservative	GRO/DRO by 8015	BTEX by 8021	THC by 418.1	Chloride by 300.0	DRO/GRS 8015	GRS 8015	Lab Number	Correct Cont/Prsr (s) Y/N
SW 11	6/19/19	10:45	S	1		X	X	X	X	X	11	
SW 12	6/19/19	10:46	S	1		X	X	X	X	X	12	
SPF 1	6/19/19	10:31	S	1		X	X	X	X	X	13	
SPF 2	6/19/19	10:32	S	1		X	X	X	X	X	14	
SPF 3	6/19/19	10:33	S	1		X	X	X	X	X	15	
SPF 4	6/19/19	10:35	S	1		X	X	X	X	X	16	
SPF 5	6/19/19	10:36	S	1		X	X	X	X	X	17	
SPF 6	6/19/19	10:36	S	1		X	X	X	X	X	18	
SPF 7	6/19/19	10:38	S	1		X	X	X	X	X	19	
SPF 8	6/19/19	10:39	S	1		X	X	X	X	X	20	

Relinquished by: (Signature) <u>B. Gunnar Westerman</u>	Date 6/19/19	Time 14:42	Received by: (Signature) <u>Justin A. [Signature]</u>	Date 6/19/19	Time 14:42	Lab Use Only **Received on Ice Y/ N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info:



5796 US Highway 64, Farmington, NM 87401

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

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Ph (970) 259-0615 Fr (800) 362-1879

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 laboratory@envirotech-inc.com

Analytical Report

Report Summary

Client: Whiptail Midstream LLC

Samples Received: 6/28/2019

Job Number: 17010-0011

Work Order: P906124

Project Name/Location: 208 Receiver

Report Reviewed By:



Date: 7/2/19

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
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Envirotech, Inc, currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.

Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 07/02/19 15:59

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SPF 2- 6/28	P906124-01A	Soil	06/28/19	06/28/19	Glass Jar, 4 oz.
SPF 21- 6/28	P906124-02A	Soil	06/28/19	06/28/19	Glass Jar, 4 oz.
SPF 34- 6/28	P906124-03A	Soil	06/28/19	06/28/19	Glass Jar, 4 oz.
SW 6- 6/28	P906124-04A	Soil	06/28/19	06/28/19	Glass Jar, 4 oz.
SW 8- 6/28	P906124-05A	Soil	06/28/19	06/28/19	Glass Jar, 4 oz.
SW 13- 6/28	P906124-06A	Soil	06/28/19	06/28/19	Glass Jar, 4 oz.

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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 07/02/19 15:59

SPF 2- 6/28
P906124-01 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1926033	06/28/19	07/01/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1926033	06/28/19	07/01/19	EPA 8015D	
Surrogate: <i>n</i> -Nonane		111 %		50-200	1926033	06/28/19	07/01/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1926032	06/28/19	07/01/19	EPA 8015D	
Surrogate: <i>1</i> -Chloro-4-fluorobenzene-FID		102 %		50-150	1926032	06/28/19	07/01/19	EPA 8015D	

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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 07/02/19 15:59

SPF 21- 6/28
P906124-02 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1926033	06/28/19	07/01/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1926033	06/28/19	07/01/19	EPA 8015D	
Surrogate: <i>n</i> -Nonane		111 %		50-200	1926033	06/28/19	07/01/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1926032	06/28/19	07/01/19	EPA 8015D	
Surrogate: <i>1</i> -Chloro-4-fluorobenzene-FID		102 %		50-150	1926032	06/28/19	07/01/19	EPA 8015D	

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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 07/02/19 15:59

SPF 34- 6/28
P906124-03 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1926033	06/28/19	07/01/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1926033	06/28/19	07/01/19	EPA 8015D	
Surrogate: <i>n</i> -Nonane		106 %		50-200	1926033	06/28/19	07/01/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1926032	06/28/19	07/01/19	EPA 8015D	
Surrogate: <i>1</i> -Chloro-4-fluorobenzene-FID		102 %		50-150	1926032	06/28/19	07/01/19	EPA 8015D	

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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 07/02/19 15:59

SW 6- 6/28
P906124-04 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1926033	06/28/19	07/01/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1926033	06/28/19	07/01/19	EPA 8015D	
Surrogate: <i>n</i> -Nonane		105 %		50-200	1926033	06/28/19	07/01/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1926032	06/28/19	07/01/19	EPA 8015D	
Surrogate: <i>1</i> -Chloro-4-fluorobenzene-FID		102 %		50-150	1926032	06/28/19	07/01/19	EPA 8015D	

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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 07/02/19 15:59

SW 8- 6/28
P906124-05 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1926033	06/28/19	07/01/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1926033	06/28/19	07/01/19	EPA 8015D	
Surrogate: <i>n</i> -Nonane		111 %		50-200	1926033	06/28/19	07/01/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1926032	06/28/19	07/01/19	EPA 8015D	
Surrogate: <i>1</i> -Chloro-4-fluorobenzene-FID		102 %		50-150	1926032	06/28/19	07/01/19	EPA 8015D	

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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 07/02/19 15:59

SW 13- 6/28
P906124-06 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	1926032	06/28/19	07/01/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1926032	06/28/19	07/01/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1926032	06/28/19	07/01/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1926032	06/28/19	07/01/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1926032	06/28/19	07/01/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1926032	06/28/19	07/01/19	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.3 %		50-150	1926032	06/28/19	07/01/19	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1926033	06/28/19	07/01/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1926033	06/28/19	07/01/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		107 %		50-200	1926033	06/28/19	07/01/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1926032	06/28/19	07/01/19	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %		50-150	1926032	06/28/19	07/01/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1926035	06/28/19	06/28/19	EPA 300.0/9056A	
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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 07/02/19 15:59

Volatile Organics by EPA 8021 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1926032 - Purge and Trap EPA 5030A
Blank (1926032-BLK1)

Prepared: 06/28/19 1 Analyzed: 07/01/19 1

Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							

Surrogate: 4-Bromochlorobenzene-PID 7.72 " 8.00 96.5 50-150

LCS (1926032-BS1)

Prepared: 06/28/19 1 Analyzed: 07/01/19 1

Benzene	4.52	0.0250	mg/kg	5.00		90.4	70-130			
Toluene	4.89	0.0250	"	5.00		97.7	70-130			
Ethylbenzene	4.83	0.0250	"	5.00		96.7	70-130			
p,m-Xylene	9.95	0.0500	"	10.0		99.5	70-130			
o-Xylene	4.83	0.0250	"	5.00		96.5	70-130			
Total Xylenes	14.8	0.0250	"	15.0		98.5	70-130			

Surrogate: 4-Bromochlorobenzene-PID 7.73 " 8.00 96.6 50-150

Matrix Spike (1926032-MS1)

Source: P906124-01

Prepared: 06/28/19 1 Analyzed: 07/01/19 1

Benzene	4.38	0.0250	mg/kg	5.00	ND	87.5	54.3-133			
Toluene	4.73	0.0250	"	5.00	ND	94.7	61.4-130			
Ethylbenzene	4.67	0.0250	"	5.00	ND	93.5	61.4-133			
p,m-Xylene	9.63	0.0500	"	10.0	ND	96.3	63.3-131			
o-Xylene	4.66	0.0250	"	5.00	ND	93.3	63.3-131			
Total Xylenes	14.3	0.0250	"	15.0	ND	95.3	63.3-131			

Surrogate: 4-Bromochlorobenzene-PID 7.70 " 8.00 96.3 50-150

Matrix Spike Dup (1926032-MSD1)

Source: P906124-01

Prepared: 06/28/19 1 Analyzed: 07/01/19 1

Benzene	4.42	0.0250	mg/kg	5.00	ND	88.4	54.3-133	0.994	20	
Toluene	4.78	0.0250	"	5.00	ND	95.5	61.4-130	0.916	20	
Ethylbenzene	4.73	0.0250	"	5.00	ND	94.5	61.4-133	1.12	20	
p,m-Xylene	9.74	0.0500	"	10.0	ND	97.4	63.3-131	1.06	20	
o-Xylene	4.72	0.0250	"	5.00	ND	94.3	63.3-131	1.11	20	
Total Xylenes	14.5	0.0250	"	15.0	ND	96.3	63.3-131	1.07	20	

Surrogate: 4-Bromochlorobenzene-PID 7.68 " 8.00 96.0 50-150

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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 07/02/19 15:59

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control
Envirotech Analytical Laboratory

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

Batch 1926033 - DRO Extraction EPA 3570
Blank (1926033-BLK1)

Prepared: 06/28/19 1 Analyzed: 07/01/19 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	55.0		"	50.0		110	50-200			

LCS (1926033-BS1)

Prepared: 06/28/19 1 Analyzed: 07/01/19 1

Diesel Range Organics (C10-C28)	483	25.0	mg/kg	500		96.5	38-132			
Surrogate: n-Nonane	54.7		"	50.0		109	50-200			

Matrix Spike (1926033-MS1)

Source: P906122-01

Prepared: 06/28/19 1 Analyzed: 07/01/19 1

Diesel Range Organics (C10-C28)	443	25.0	mg/kg	500	ND	88.5	38-132			
Surrogate: n-Nonane	57.0		"	50.0		114	50-200			

Matrix Spike Dup (1926033-MSD1)

Source: P906122-01

Prepared: 06/28/19 1 Analyzed: 07/01/19 1

Diesel Range Organics (C10-C28)	449	25.0	mg/kg	500	ND	89.7	38-132	1.34	20	
Surrogate: n-Nonane	55.6		"	50.0		111	50-200			

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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 07/02/19 15:59

Nonhalogenated Organics by 8015 - GRO - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1926032 - Purge and Trap EPA 5030A
Blank (1926032-BLK1)

Prepared: 06/28/19 1 Analyzed: 07/01/19 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.17		"	8.00		102	50-150			

LCS (1926032-BS2)

Prepared: 06/28/19 1 Analyzed: 07/01/19 1

Gasoline Range Organics (C6-C10)	48.1	20.0	mg/kg	50.0		96.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.19		"	8.00		102	50-150			

Matrix Spike (1926032-MS2)

Source: P906124-01

Prepared: 06/28/19 1 Analyzed: 07/01/19 1

Gasoline Range Organics (C6-C10)	44.4	20.0	mg/kg	50.0	ND	88.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.17		"	8.00		102	50-150			

Matrix Spike Dup (1926032-MSD2)

Source: P906124-01

Prepared: 06/28/19 1 Analyzed: 07/01/19 1

Gasoline Range Organics (C6-C10)	45.6	20.0	mg/kg	50.0	ND	91.2	70-130	2.54	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.18		"	8.00		102	50-150			

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Whiptail Midstream LLC
 504 S. Bloomfield Blvd.
 Bloomfield NM, 87413

 Project Name: 208 Receiver
 Project Number: 17010-0011
 Project Manager: Gunner Westerman

Reported:
 07/02/19 15:59

Anions by 300.0/9056A - Quality Control
Envirotech Analytical Laboratory

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

Batch 1926035 - Anion Extraction EPA 300.0/9056A
Blank (1926035-BLK1)

Prepared & Analyzed: 06/28/19 1

Chloride ND 20.0 mg/kg

LCS (1926035-BS1)

Prepared & Analyzed: 06/28/19 1

Chloride 256 20.0 mg/kg 250 102 90-110

Matrix Spike (1926035-MS1)
Source: P906117-01

Prepared & Analyzed: 06/28/19 1

Chloride 293 20.0 mg/kg 250 29.7 105 80-120

Matrix Spike Dup (1926035-MSD1)
Source: P906117-01

Prepared & Analyzed: 06/28/19 1

Chloride 295 20.0 mg/kg 250 29.7 106 80-120 0.602 20

QC Summary Report
Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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Whiptail Midstream LLC
504 S. Bloomfield Blvd.
Bloomfield NM, 87413

Project Name: 208 Receiver
Project Number: 17010-0011
Project Manager: Gunner Westerman

Reported:
07/02/19 15:59

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
RPD Relative Percent Difference
** Methods marked with ** are non-accredited methods.

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Project Information					Chain of Custody		Lab Use Only		TAT		EPA Program						
Client: <u>Whiptail Midstream</u>					Report due by:		Lab WO# <u>P906124</u>		Job Number <u>17010-0011</u>		1D	3D	RCRA	CWA	SDWA		
Project: <u>208 Receiver</u>					Attention:		Analysis and Method										
Project Manager: <u>Gunner Westerman</u>					Address:												
Address: <u>65 Mercado Street Ste 101</u>					City, State, Zip		State										
City, State, Zip: <u>Durango, CO, 81301</u>					Phone:												
Phone: <u>970-683-0668</u>					Email: <u>knowe@hrlcomp.com</u>		Remarks										
Email: <u>gwesterman@hrlcomp.com</u>																	
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TPH 418.1					
9:40	6/28/19	Soil	1	SPF 2 - 6/28	1	X	X										
9:45			1	SPF 21 - 6/28	2	X	X										
9:50				SPF 34 - 6/28	3	X	X										
9:58				SW 6 - 6/28	4	X	X										
10:05				SW 8 - 6/28	5	X	X										
9:55				SW 13 - 6/28	6	X	X	X			X						

Additional Instructions:
 I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: B. Gunner Westerman

Relinquished by: (Signature) [Signature] Date 6/28/19 Time 11:43
 Relinquished by: (Signature) _____ Date _____ Time _____

Received by: (Signature) [Signature] Date 6/28/19 Time 11:43
 Received by: (Signature) _____ Date _____ Time _____

Lab Use Only
 Received on ice: Y / N
 T1 _____ T2 _____ T3 _____
 AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA
 Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



APPENDIX G: FIELD NOTES

June 11 2019

ARRIVE 9:30 66° No wind

9:36 - START Trimbles

9:49 - STOP Trimbles

9:50 - Choose sample location

Map depths

10:13 - Pictures Pic 751

10:24 - START Sample Points

SP#1 10:24m PID 00 PDM PF 81

SP#2 10:29m DID 16.2 PDM PF 39

SP#3 10:34m PID 6.2 PDM PF 55

SP#4 10:35m PID 01 PDM PF 168

SP#5 10:40m PID PF 39

SP#6 12:00 PM PID 01 PF 90

SP1	0	5	15	0	5	15
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2	2	7	17	2	7	17
---	---	---	----	---	---	----

3	4:15	9:15	19:15
---	------	------	-------

4	0	50	15:19
---	---	----	-------

5	0	8	15
---	---	---	----

SP#7 11:58 PID 02 PF 62

Sample Start 12:45

SPU1 12:45

B1 1:15

U2 12:51

B2 1:23

U3 12:53

B4 1:30

U4 12:59

U5 1:10

Used Samples 1:35

Final Survey: 1:40

Leave 203 turn for

en route 1:44

DATE 6/7/19 PROJECT # 208 WEATHER 60-85°
SUN WIND

7:00 AM - Analyzed site.
* Heavy odor & visual staining
near PO. Olson - Proctor
Hand Count.

#45 - SAMPLING START

* #1) E + W WASH FLOOR 3' Comp
PID: 0.1 PETRO: 4 PPM

#2) W WASH N + S WALL 1'
PID: 0.1 PETRO:

#3) E WASH SE + NE WALL 1' Comp
PID: 0.1 PETRO:

#4) Ex W WALL Comp 1'
PID: 244.7 PETRO: 113

* #5) Ex NE WALL Comp 1'
PID 0.4 PETRO

* #6) Ex FLOOR PID 5'
PID 40.1 PETRO 21

- Gary Robinson
505 - 320 - 6195

#1) 0/5/17 #6) 2/7/17 #4) 5/10/17

DURABLE DOCUMENTS

- 1 N WALL - PIP 0.4
Petro = 0
- 2 SE WALL - PIP 0.3
Petro, 16 PM
- 3 E WALL - PIP 0.3
Petro - 93
- 4 Trenches - PIP 0.4
Surface -
Petro, 117

#1 0/5/13

#2 3/8/18

#3 7/13/23

#4 21/27/37

32/42

WASH 6/7/19



SEE OTHER MAP

WASH

Edge of Wash.

TO DE EX.

0 PPM
E WALL 6"
93 PPM

TO DE
EX.

Terminus Surface
117 PPM

SE WALL
16 PPM

Current EX
Processes

2.5' FLOOR
31 PPM

FLOOR 1
5'

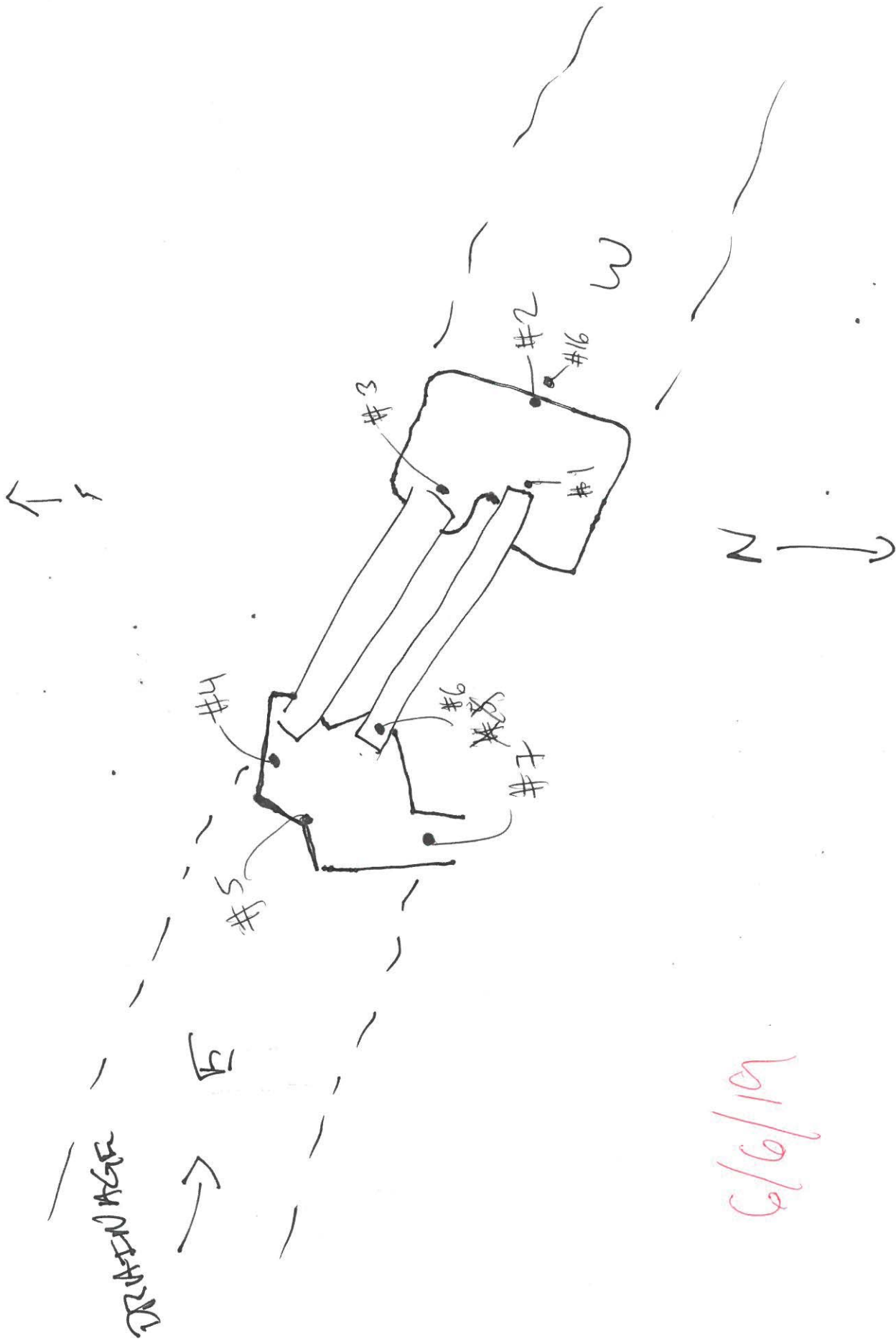
NW WALL 3'
37 PPM

VALVE
BOX

4' SURF
20 PPM

N WALL 1'
0 PPM

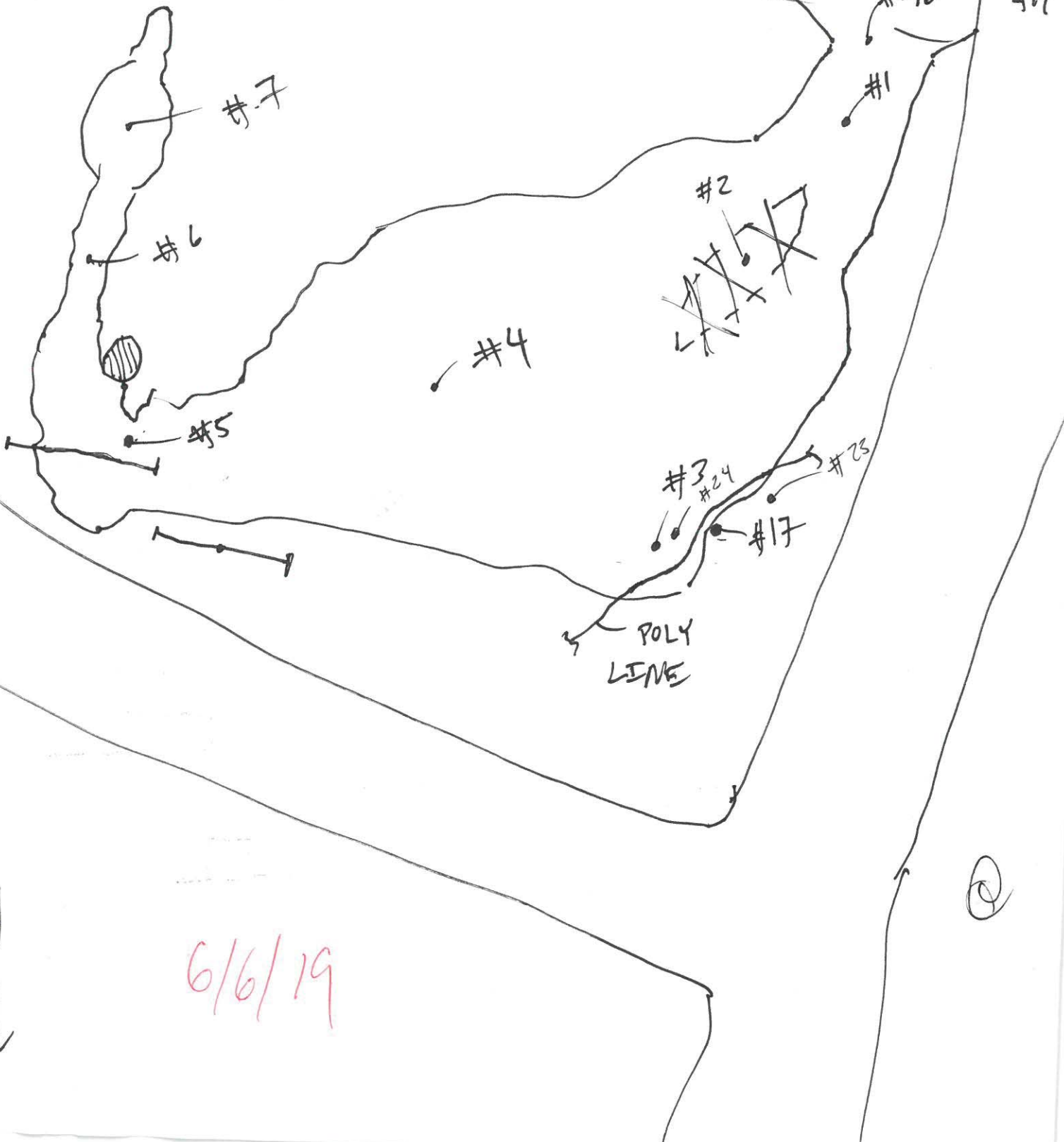
MAIN EX. 6/7/19



6/6/19

S
↑

WASH



6/6/19

2:00

#23) Ex SP NW 1/4 3'
PIR 0.4 ppm - 37 Petro

#24) Ex SP NW Floor 5'
PIR 0.6 - 14 Petro.

#4) Ex
Petro = 31 ppm

#5) Ex
285 ppm Petro.

#7) Ex
317 ppm

23) 6/5/15 24) 4/9/19

4) 9/14/24 5) 14/19/29

7) 26/31/41

- #18) E WASH N BATH 3'
PID - 298.0 53 - PID Petro
- #19) E. WASH N (ULV. (under)
PID - 149.6
- #20) E WASH SCULV. (under)
PID - 148.5

12:33

- #21) W WASH S Culvert 6"
PID - 0 49 - Petro Flap
- #22) W WASH N Culvert 6"
PID - 2.7 57 - Petro Flap
- #11) SP EX #4 - SURF
PID see other P's
- #12) SP EX #5 - SURF
PID see other P's
- #14) SP EX #7 SURF
PID see other P's

21) 0/5/15 22) 2.5/7.5/17.5

181 X 0 44/11.5 Term 16.5)

2ND ROUND - 8:43 - 9:45

8) SP EX #1 - SURFACE

PED 0.1 - 0.14 Pedro

9) SP EX #2 - SURFACE - ISLAND

N/A

10) SP EX #3 - SURFACE -

PID 62.0 - 142 Pedro

11) SP EX #4 - SURF

PID 6.1

12) SP EX #5 - SURF

PID 6.2

13) SP EX #6 - SURF

PID 0.3

14) SP EX #7 - SURF

PID 60.1

#13) SP WASH FLOOR E SIDE

PID 0.5

#16) SP - WASH W - POT

PED - 0.0 ppm - 5 ppm - Pedro FL

#17) SP EX #8 - NW Wall 2' OPOR

PID - 8.2

→ 0.0 ppm

#3) = 0/7 #13/9

DATE 6/6/19 PROJECT # 208 ~~loc~~ WEATHER

- C: 45 - 50° - 75° wind - 0.3

SAMPLES 8:00

#1 W WASH SURF S Culvert #1
85.2 PTD - 193 -

#2 W WASH NW WALL 2'
0.3 PTD

#3 W WASH SURFACE N Culvert
12.5 PTD

#4 E WASH S WALL 2'
0.3 PTD - 82 - Pedro Flay *

#5 E WASH E WALL 2
0.1 PTD

#6 E WASH W WALL N CULVERT #2
0.1 PTD - 100

#7 E WASH N BANK SURFACE #3
0.9 - 922

2/7.5 4/9.5 6/10 16.45 21.5


HRL
COMPLIANCE
SOLUTIONS

 Pad/Location: 208 Receiver
 Report Date: 6/4/2019

Responsible Party

ENVIRONMENTAL SPILL/RELEASE INVESTIGATION



PROGRAM:

Operations

CONTRACTOR:

*Attach Billing Info

Initial Reporting (personnel that discovered release)
 Date Occurred: 6/3/19 Time: 9:00 Discovered By: Field Tech Company: Wistail - Gray Ph: _____
 Est. Volume: 12 BBL Material Released: Oil Within Public Water Supply Area? ☒ NO () YES
 Spill Contained on Location () NO ☒ YES Live Water Impacted? ☒ NO () YES Within Secondary Containment? ☒ NO () YES
 SIGNIFICANT THREAT TO HUMANS OR ENVIRONMENT ☒ NO () YES - Implement Emergency Response Plan
Follow Up (for HRL Official Use)

INCIDENT LOCATION	RELEASE TYPE	LANDS AFFECTED	MEDIA AFFECTED	317B AREA
() Well Pad	☒ E&P Waste	() Private	☒ Land/Soil	() Buffer Zone
☒ Facility	() Non- E&P	☒ Federal	() Waters (U.S)	() Water Impacted
() Transportation (DOT)		() Split Estate	☒ Wetland/Riparian	() N/A
() Other:	() Other:	() On- Lease	() Ground Water	
		☒ Off- Lease		

INCIDENT DESCRIPTION (How incident occurred, type of effluent, emissions, chemical, etc.):

Cattle activity - turned valve on riser; releasing oil.

VOLUME RECOVERED:

ROOT CAUSE: Loose Plug/Cattle activity.

PLANS TO IMPLEMENT ADDITIONAL TRAINING (DESCRIBE):

DATE TRAINING COMPLETE:

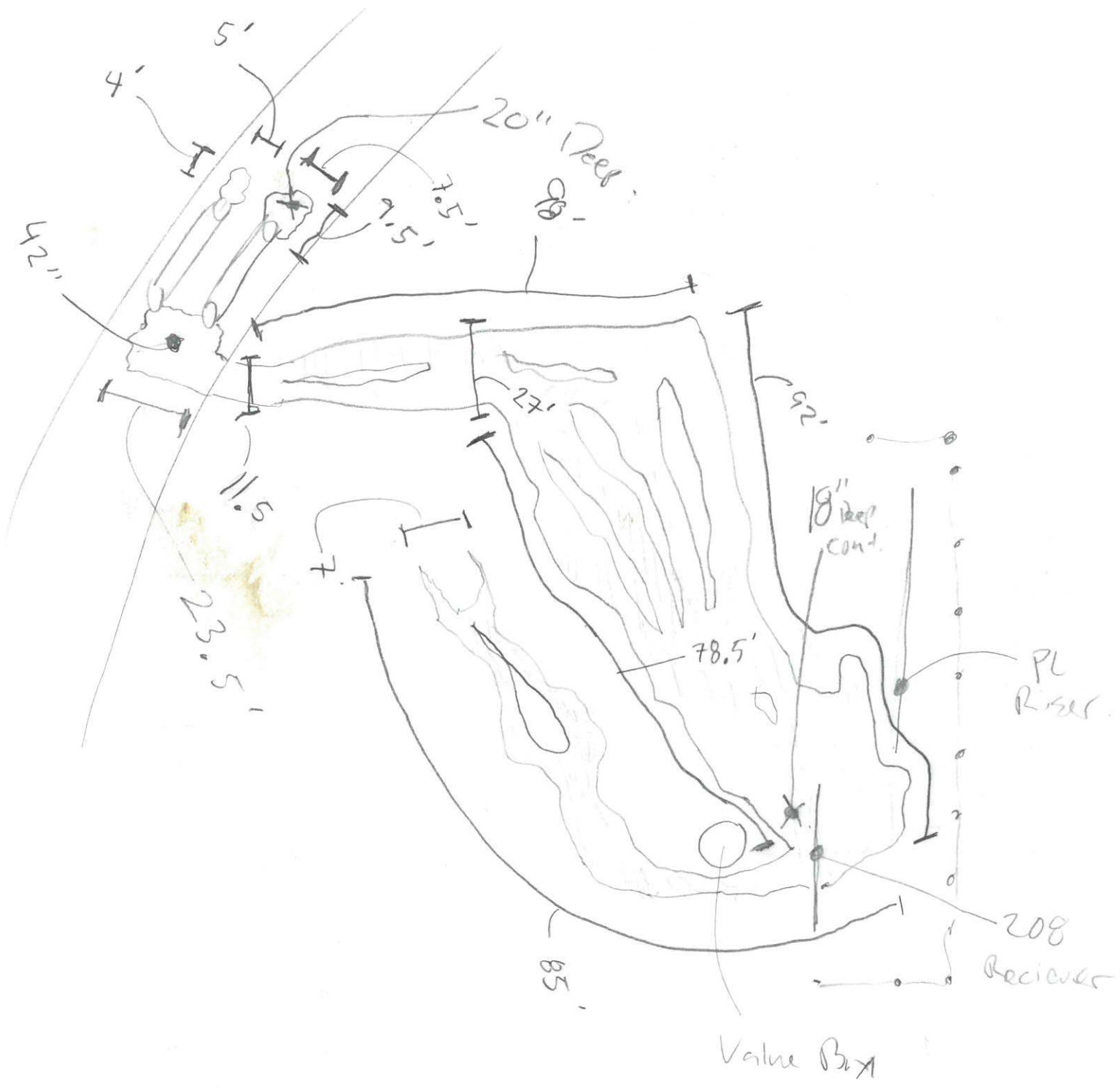
Waste Management (Requires Operator Approval)

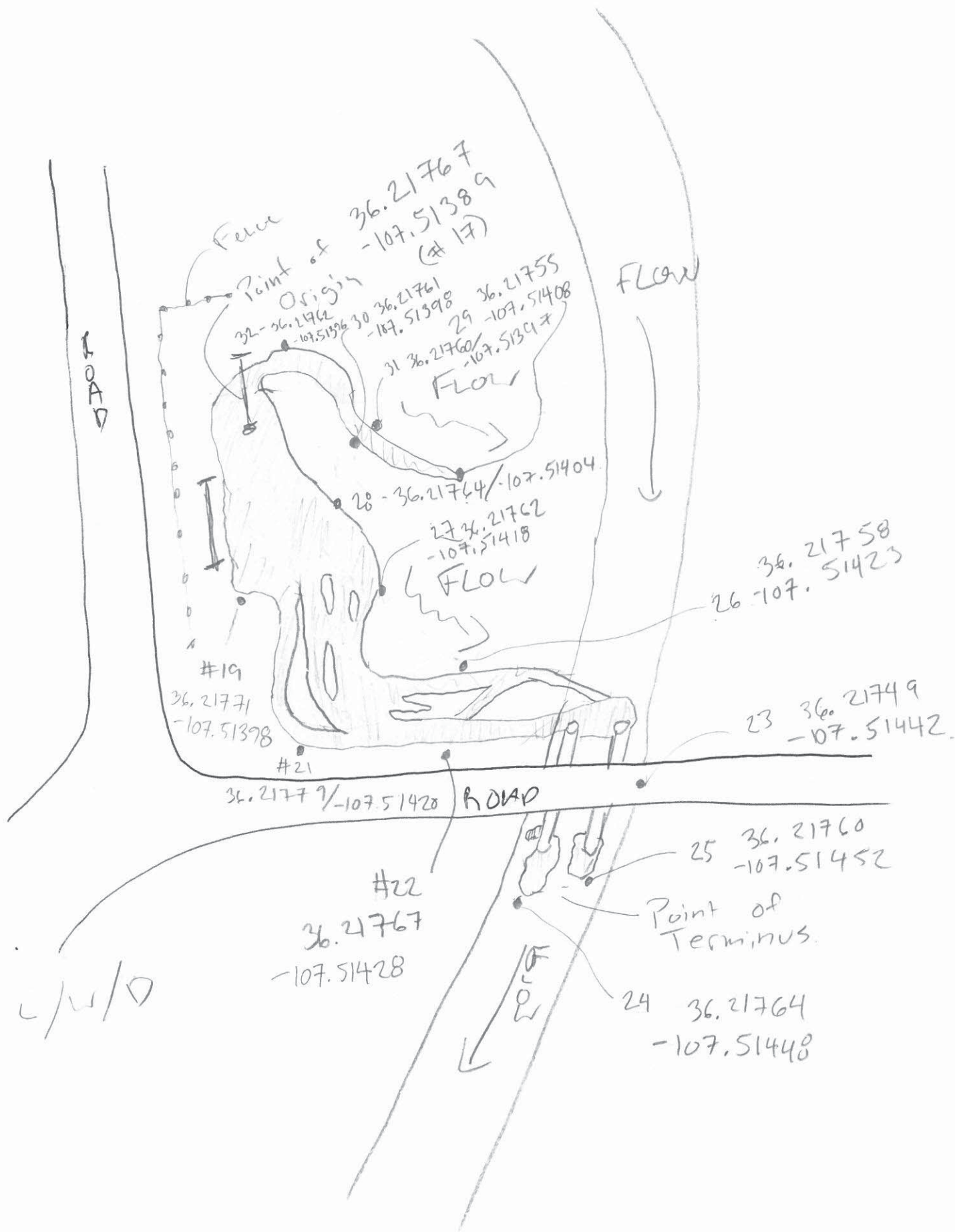
FINAL DISPOSITION OF WASTE (STORAGE, TREATMENT, DISPOSAL):

Approval: () NO ☒ YES DATE: 6/3/19DISPOSAL LOCATION: EnvirotechManifesting Required: ☒ NO () YES**NOTIFICATION/REPORTING ACTIONS (to be completed by HRL Spill Program Coordinators)**

Agency/Owner	Verbal Notification Required				Written Reporting Required			
Landowner		Yes	☒	No	Date:		Yes	☒
OGC	☒	Yes		No	Date: <u>6/4/19</u>	☒	Yes	☒
FED-BLM		Yes	☒	No	Date:		Yes	☒
HEALTH DEPT		Yes	☒	No	Date:		Yes	☒
LEPC		Yes	☒	No	Date:		Yes	☒
NRC		Yes	☒	No	Date:		Yes	☒
FIRE CHIEF		Yes	☒	No	Date:		Yes	☒

**THIS REPORT MUST BE FILED AND SUBMITTED IMMEDIATELY
OF THE INCIDENT TO THE HRL SPILL COORDINATOR**







APPENDIX H: PHOTOGRAPHS



Photograph 1: Origin of Release – 6/3/19



Photograph 2: Visual Impacts on Adjacent Hillside SE of 208 Receiver – 6/3/19





Photograph 3: Visual Impacts on Adjacent Hillside SW of 208 Receiver – 6/3/19



Photograph 4: Visual Impacts Up-Gradient from Drainage – 6/3/19





Photograph 5: Visual Impacts to Drainage; Up-Gradient from Culverts – 6/3/19



Photograph 6: Visual Impacts to Drainage; Down-Gradient from Culverts – 6/3/19





Photograph 7: Remediated Area and Sample Grid Adjacent to Point of Origin – 6/19/19



Photograph 8: Remediated Area and Sample Grid on Hillside SE of 208 Receiver – 6/19/19





Photograph 9: Remediated Area and Sample Grid on Hillside SW of 208 Receiver – 6/19/19



Photograph 10: Remediated Area and Sample Grid on Hillside SW of 208 Receiver – 6/19/19





Photograph 11: Remediated Area and Sample Grid in Drainage; Up-Gradient – 6/19/19



Photograph 12: Remediated Area and Sample Grid in Drainage; Down-Gradient – 6/19/19





Photograph 13: Remediated Area and Sample Grid: SPF 2 - 6/28/19



Photograph 14: Remediated Area and Sample Grid: SPF 21 - 6/28/19





Photograph 15: Remediated Area and Sample Grid: SPF 34 and SW 13 - 6/28/19



Photograph 16: Remediated Area and Sample Grid: SW 6 (SW Portion) - 6/28/19





Photograph 17: Remediated Area and Sample Grid: SW 6 (SE Portion) - 6/28/19



Photograph 18: Remediated Area and Sample Grid: SW 8 - 6/28/19

