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	NAB1902335282
District RP	2RP-5192
Facility ID	fAB1902334782
Application ID	pAB1902334893

Release Notification

Responsible Party

Responsible Party: Lucid Artesia Company (Formerly Agave Energy Company)	OGRID: 147831
Contact Name: Kerry Egan	Contact Telephone: 575-810-6021
Contact email: Kegan@lucid-energy.com	Incident # *(assigned by OCD)* NAB1902335282
Contact mailing address: PO Box 158 Artesia, NM 88211	

Location of Release Source

Latitude: 32.5931920 Longitude: -104.5236530

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Limousine Receiver	Site Type: Pipeline ROW
Date Release Discovered: 1/8/2019	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
B AB	7	20S	25E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (*Name:* William and Marilyn Buchanan)

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)	Volume Recovered (bbls)
☐ 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): 200-300	Volume Recovered (Mcf): None
☒ Other (describe)	Volume/Weight Released (provide units): 5-7 bbls of pipeline liquids (condensate and water mixture)	Volume/Weight Recovered (provide units): none

Cause of Release: Internal corrosion on pipe.

State of New Mexico
Oil Conservation Division

Incident ID	NAB1902335282
District RP	2RP-5192
Facility ID	fAB1902334782
Application ID	pAB1902334893

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?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

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 not 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: Kerry Egan Title: Environmental Compliance Manager

Signature: [signature] Date: 1/18/2019

email: Kegan@lucid-energy.com Telephone: 575-810-6021

OCD Only

Received by: [signature] Date: 1/23/2019

State of New Mexico
Oil Conservation Division

Incident ID	NAB1902335282
District RP	
Facility ID	
Application ID	

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?	>100 (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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAB1902335282
District RP	
Facility ID	
Application ID	

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: Amber Groves Title: Remediation Specialist

Signature: Date:

email: agroves@durangomidstream.com Telephone: 575-703-7992

OCD Only

Received by: Date:

State of New Mexico
Oil Conservation Division

Incident ID	NAB1902335282
District RP	2RP-5192
Facility ID	fAB1902334782
Application ID	pAB1902334893

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: Amber Groves Title: Remediation Specialist

Signature: Amber Groves Date: 5/10/2022

email: agroves@durangomidstream.com Telephone: 575-702-7993

OCD Only

Received by: _____ Date: _____

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: Nelson Velez Date: 07/22/2022

Printed Name: Nelson Velez Title: Environmental Specialist - Adv

May 19, 2022

District II
New Mexico Oil Conservation Division
811 South First Street
Artesia, New Mexico 88210

RE: Closure Request
Limousine Receiver
Incident Number NAB1902335282
Coordinates: 32.5931920, -104.5236530
Unit Letter B, Section 7, Township 20 South, Range 25 East
Eddy County, New Mexico

To Whom it May Concern:

WSP USA Inc. (WSP), on behalf of Frontier Field Services, LLC (Frontier), presents the following Closure Request detailing site assessment, excavation, and soil sampling activities at the Limousine Receiver (Site) located in Unit B, Section 7, Township 20 South, Range 25 East, in Eddy County, New Mexico (Figure 1). The purpose of the site assessment, excavation, and soil sampling activities on the private land of William and Marilyn Buchanan was to address impacts to soil following the release of pipeline liquid from a natural gas line at the Site. Based on the excavation activities and soil analytical results, Frontier is submitting this Closure Request, and requesting no further action (NFA) for Incident Number NAB1902335282.

It should be noted, the original responsible party for the release was Lucid Artesia Company (Lucid – OGRID #147831). Lucid and the Site have been acquired by Frontier following the release. As a result, remedial actions discussed in the Closure Request was initiated by Lucid and completed by Frontier. Frontier is submitting this NFA request under OGRID #221115.

RELEASE BACKGROUND

On January 8, 2019, internal corrosion on a line resulted in a leak leading to the release of 200-300 thousand cubic feet (MCF) of natural gas and 5-7 barrels (bbls) of natural gas pipeline liquid onto the Site. Lucid, the owner and operator of the Site at the time, reported the release to the NMOCD on a Release Notification Form C-141 (Form C-141) on January 18, 2019. The release was assigned Incident Number NAB1902335282.

Following the release, Lucid contracted a third-party excavation company and began to excavate soil impacts based on visual observations.

SITE CHARACTERIZATION

WSP characterized the Site according to Table 1, *Closure Criteria for Soils Impacted by a Release*, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Depth to groundwater at the Site is estimated to be over 100 feet below ground surface (bgs) based on the nearest groundwater well with available data. The nearest permitted water well with depth to water data is New Mexico Office of the State Engineer (NMOSE) file number RA 05666, located approximately 1.034 miles southeast of the Site. The NMOSE water well has a reported depth to groundwater of 249 feet bgs and a total depth of 249 feet bgs. The referenced well record is included as Attachment 2.

The closest continuously flowing or significant watercourse to the Site is a freshwater river/lake, located approximately 6.6 miles east of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is underlain by unstable geology (high potential karst designation area). Site receptors are identified on Figure 1.

CLOSURE CRITERIA

Based on the results of the Site Characterization, the following NMOCD Table 1 Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total Petroleum Hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

SITE ASSESSMENT, CONFIRMATION SAMPLING, AND ANALYTICAL RESULTS

At the direction of Frontier, WSP personnel visited the Site on March 8, 2022, to evaluate the release extent and subsequent excavation activities that were conducted by Lucid based on information provided on the Form C-141 and visual observations. WSP collected floor confirmation soil samples FS01 through FS04 within the southern excavation at a depth of approximately 5 feet bgs to determine whether initial excavation activities conducted during initial response efforts by Lucid were sufficient to fully remediate impacted soil at the Site. Soil samples were not collected in the northern excavation at this time due to the total depth on the excavation. Soil from the sampling event was field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photo-ionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. The release extent, excavation extent, and soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was completed during the Site visits and a photographic log is included in Attachment 2.

WSP collected 5-point composite soil samples every 200 square feet from the floor and sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

Laboratory analytical results for confirmation floor soil samples FS01, FS02 and, FS03 and SW02, SW03, SW05 and SW06 indicated TPH exceeded the Closure Criteria. The chloride concentration in confirmation floor soil samples FS01 and FS03 and SW02, SW03, SW05 and SW06 exceeded the Closure Criteria. Based on field screening activities and laboratory analytical results for the initial confirmation soil samples, additional excavation activities appeared warranted. Figure 2 depicts confirmation soil analytical results and are also summarized on Table 1. The laboratory analytical report is included as Attachment 3.

ADDITIONAL EXCAVATION ACTIVITIES AND ANALYTICAL RESULTS

On April 7-8, 2022, WSP personnel returned to the Site to oversee excavation activities in the vicinity of confirmation floor soil samples FS01, FS02 and, FS03. Excavation activities were performed using a backhoe. To direct excavation activities, WSP screened soil for volatile aromatic hydrocarbons and chloride. The additional northern excavation was completed to an approximate depth of 5.5 feet bgs. At this time, the southern excavation was able to be safely sampled and WSP personal collected floor confirmation samples FS05, FS06 and, FS07 at a depth of approximately 10 ft bgs.

Following removal of the additional impacted soil, WSP collected 5-point composite soil samples from areas of approximately 200 square feet in each location. Confirmation soil samples SW01 through SW10 were taken for the sidewalls of the excavation on a frequency of one sample per 200 square feet. The excavation sidewall soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 2.

Laboratory analytical results for subsequent confirmation floor soil samples FS01A, FS02A, FS03A, FS04, and FS05-FS07 as well as sidewall samples SW01 through SW10 indicated benzene, BTEX, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Attachment 3.

The final excavation area measured approximately 1,088 square feet in lateral extent and a total depth ranging between 5 feet and 13 feet bgs. A total of approximately 577 cubic yards of impacted soil was removed during excavation activities. The impacted soil was transported and

properly disposed of at the Lealand Facility in Hobbs, New Mexico. After completion of confirmation sampling, the excavation area was backfilled with locally sourced non-impacted soil.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the January 8, 2019 release of natural gas pipeline liquid. Laboratory analytical results for the excavation soil samples, collected from the initial and final excavation extent of the floor and sidewalls, indicated benzene, BTEX, TPH, and chloride concentrations were compliant with the Closure Criteria. Additionally, the release extent was excavated to the most stringent Table 1 Closure Criteria. Based on soil sample analytical results, no further remediation appears warranted at this time. Frontier backfilled the excavation with locally sourced, non-waste containing material and recontoured the Site to match pre-existing site conditions.

Initial response efforts and excavation of impacted soil have mitigated impacts at the Site. Depth to groundwater has been determined to be more than 100 feet bgs. WSP and Frontier respectively request closure of NAB1902335282 based on analytical results described in this report, since they are protective of human health, the environment, and groundwater.

If you have any questions or comments, please do not hesitate to contact Mr. Travis Casey at (575)-689-5949

Sincerely,

WSP USA Inc.

pbenner

Payton Benner
Assistant Consultant, Geologist

Travis Casey
Sr. Consultant, Environmental Scientist

cc: Ms. Amber Groves, Frontier Field Services, LLC.
Bureau of Land Management

Attachments:

Figure 1	Site Location Map
Figure 2	Excavation Soil Sample Locations
Table 1	Soil Analytical Results
Attachment 1	Referenced Well Records
Attachment 2	Photographic Log
Attachment 3	Laboratory Analytical Reports
Attachment 4	Initial C-141

FIGURES

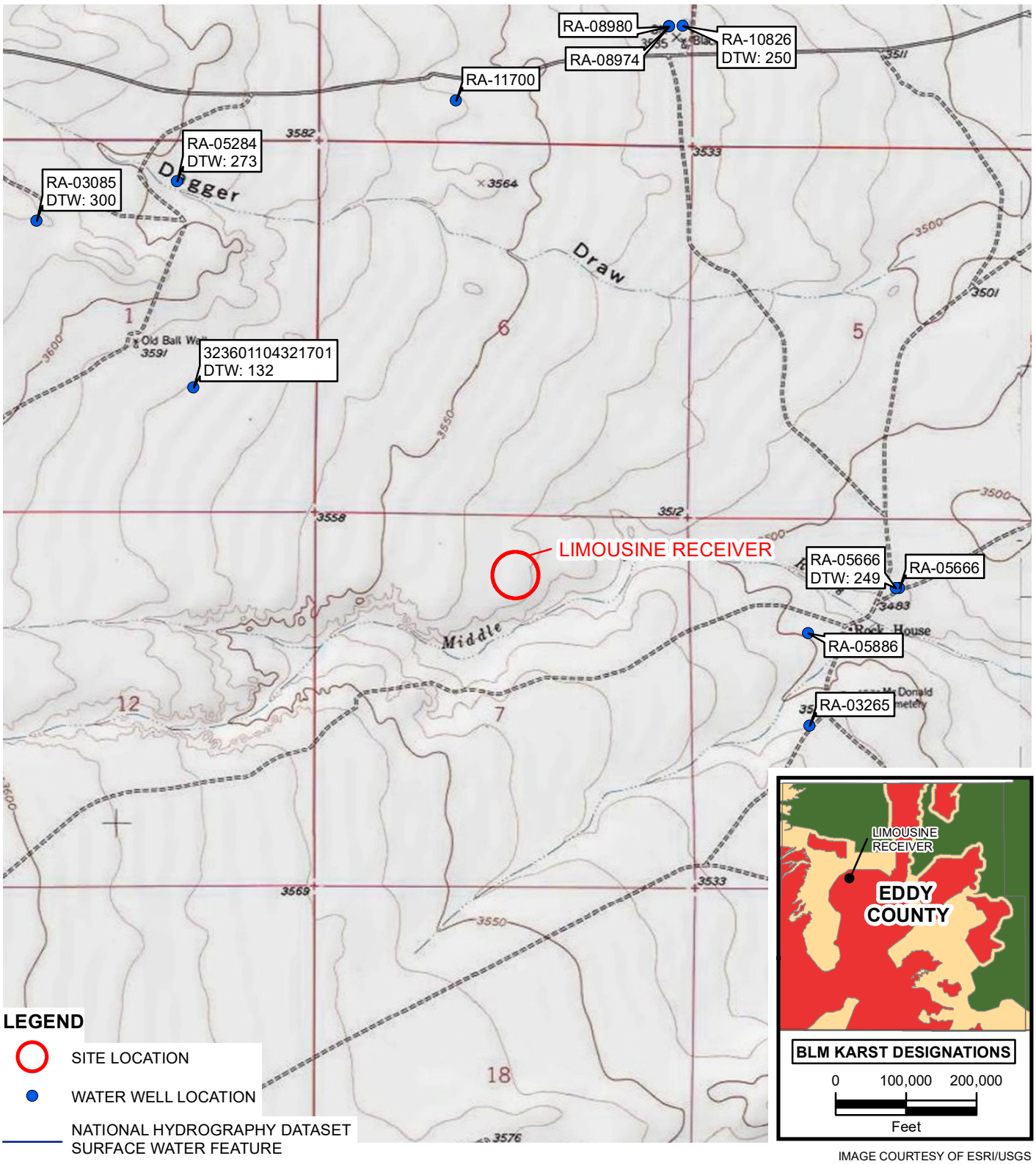

IMAGE COURTESY OF ESRI/USGS

LEGEND

- SITE LOCATION
- WATER WELL LOCATION
- NATIONAL HYDROGRAPHY DATASET SURFACE WATER FEATURE
- NATIONAL WETLANDS INVENTORY SURFACE WATER FEATURE
- LOW KARST
- MEDIUM KARST
- HIGH KARST

DTW: DEPTH TO WATER IN FEET
BLM: BUREAU OF LAND MANAGEMENT
TD: TOTAL DEPTH IN FEET
NOTE: INCIDENT NUMBER NAB1902335282

0 2,000 4,000
Feet

N

FIGURE 1
SITE LOCATION MAP
LIMOUSINE RECEIVER
UNIT B SEC 7 T20S R25E
EDDY COUNTY, NEW MEXICO
FRONTIER FIELD SERVICES, LLC

P:\Frontier Field Services\GIS\31403665.015_FIG01_SL_RECEPTOR_2022.mxd

LEGEND

IMAGE COURTESY OF ESRI

- FLOOR SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- SIDEWALL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- GAS LINE
- EXCAVATION EXTENT

0 50 100
Feet

N

NOTE: INCIDENT NUMBER NAB1902335282
SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

FIGURE 2
EXCAVATION SOIL SAMPLE LOCATIONS
LIMOUSINE RECEIVER
UNIT B SEC 7 T20S R25E
EDDY COUNTY, NEW MEXICO
FRONTIER FIELD SERVICES, LLC

P:\Frontier Field Services\GIS\31403665.015_LIMOUSINE RECEIVER\MXD\31403665.015_FIG02_EXCAVATION_2022_1.mxd

TABLES

Table 1

Soil Analytical Results
Limousine Reciever
Incident Number NAB1902335282
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Excavation Floor Samples										
FS01	03/08/2022	5	0.106	0.305	1,820	182	<50.0	2,002	**2,002**	**1,480**
FS01A	04/18/2022	8	ND	ND	ND	ND	ND	ND	ND	74.5
FS02	03/08/2022	5	<0.00199	<0.00398	3,740	65.7	<49.9	3,806	**3,806**	507
FS02A	04/07/2022	5.5	ND	ND	ND	ND	ND	ND	ND	89
FS03	03/08/2022	5	<0.00200	<0.00399	796	<50.0	<50.0	796	**796**	**1,210**
FS03A	05/06/2022	5.65	ND	ND	ND	ND	ND	ND	ND	131
FS04	03/08/2022	5	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	174
FS05	04/07/2022	10	ND	ND	19	ND	ND	19	19	ND
FS06	04/07/2022	10	ND	ND	500	ND	370	870	**870**	260
FS06A	04/18/2022	13	ND	ND	ND	ND	ND	ND	ND	50.9
FS07	04/07/2022	10	ND	ND	180	ND	140	320	**320**	ND
FS07A	04/18/2022	11	ND	ND	ND	ND	ND	ND	ND	ND
Excavation Sidewall Samples										
SW01	03/08/2022	0 - 5	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	23.8
SW02	03/08/2022	0 - 5	<0.00200	<0.00400	653	<50.0	<50.0	**653**	**653**	**3,150**
SW02A	04/07/2022	0 - 5	ND	ND	ND	ND	ND	ND	ND	ND
SW03	03/08/2022	0 - 5	<0.00200	<0.00399	208	69	<49.9	**277**	**277**	**1,490**
SW03A	04/07/2022	0 - 5	ND	ND	13	ND	ND	ND	13	270
SW04	03/08/2022	0 - 5	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	84.9

Table 1

Soil Analytical Results
Limousine Reciever
Incident Number NAB1902335282
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
SW05	03/08/2022	0 - 5	<0.00200	<0.00399	102	<49.9	<49.9	**102**	**102**	**942**
SW05A	04/07/2022	0 - 5	ND	ND	ND	ND	ND	ND	ND	ND
SW06	03/08/2022	0 - 5	<0.00201	0.00584	2,910	<49.9	<49.9	**2,910**	**2,910**	**731**
SW06A	04/07/2022	0 - 10	ND	ND	42	ND	ND	42	42	350
SW07A	04/07/2022	0 - 10	ND	ND	25	ND	ND	25	25	ND
SW08A	04/07/2022	0 - 10	ND	ND	48	ND	ND	48	48	360
SW09	04/07/2022	0 - 10	ND	ND	19	ND	ND	19	19	ND
SW10	04/07/2022	0 - 10	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ft - feet/foot
mg/kg - milligrams per kilograms
BTEX - benzene, toluene, ethylbenzene, and total xylenes
TPH - total petroleum hydrocarbons
DRO - diesel range organics
GRO - gasoline range organics
ORO - oil range organics
ND - non detectable
NMOCD - New Mexico Oil Conservation Division
NMAC - New Mexico Administrative Code
< - indicates result is less than the stated laboratory method practical quantitation limit
NE - Not Established
BOLD - indicates results exceed the higher of the background sample result or applicable regulatory standard
Greyed data represents samples that were excavated

ATTACHMENT 1: REFERENCED WELL RECORD

National Water Information System: Web Interface

USGS Water Resources

Data Category: Site Information | Geographic Area: United States | GO

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- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

USGS 323601104321701 20S.24E.01.41113

Available data for this site SUMMARY OF ALL AVAILABLE DATA | GO

Well Site

DESCRIPTION:

Latitude 32°36'01", Longitude 104°32'17" NAD27
Eddy County, New Mexico , Hydrologic Unit 13060011
Well depth: 282 feet
Land surface altitude: 3,581 feet above NAVD88.
Well completed in "Roswell Basin aquifer system" (S400RSWLBS) national aquifer.
Well completed in "Rustler Formation" (312RSLR) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1950-01-16	1950-01-16	1
Revisions	Unavailable (site:0) (timeseries:0)		

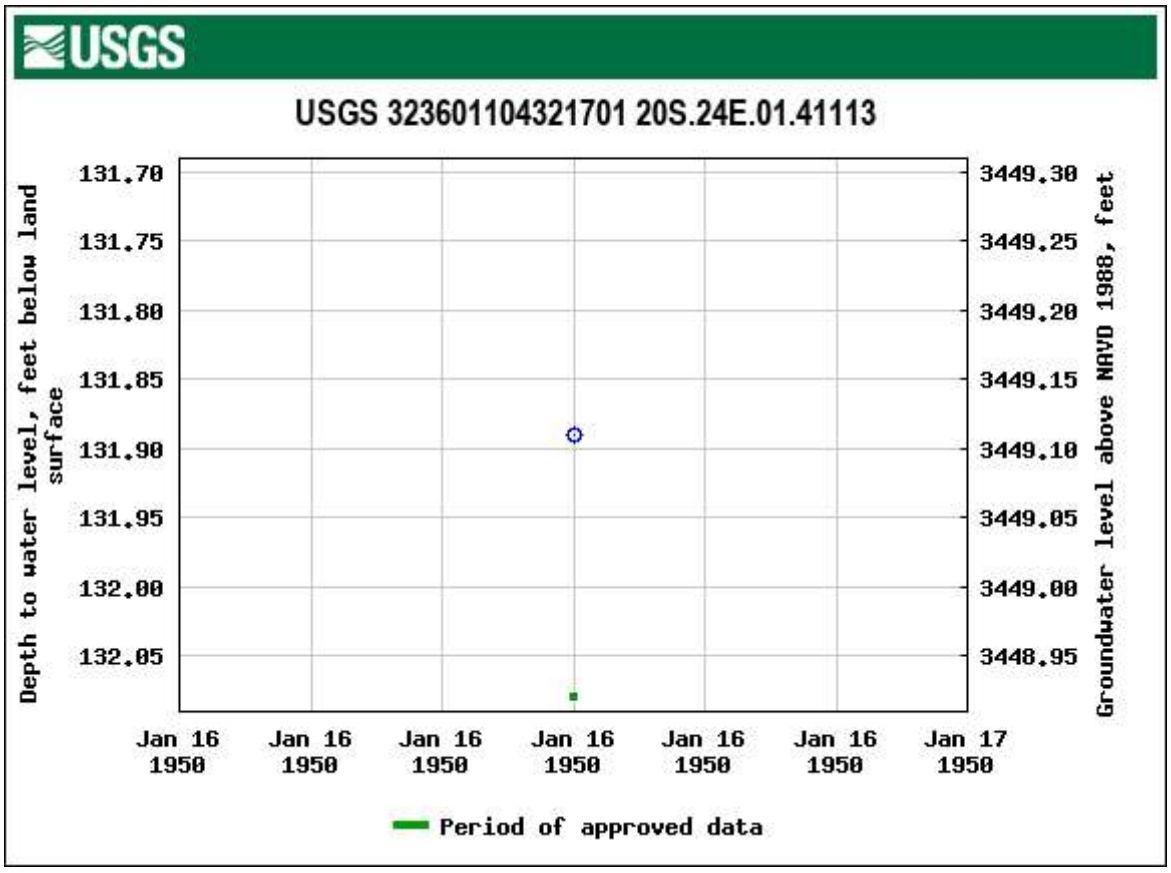
OPERATION:

Record for this site is maintained by the USGS New Mexico Water Science Center
Email questions about this site to New Mexico Water Science Center Water-Data Inquiries

---

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Title: NWIS Site Information for USA: Site Inventory
URL: https://waterdata.usgs.gov/nwis/inventory?agency_code=USGS&site_no=323601104321701


USGS
USGS 323601104321701 20S.24E.01.41113
Depth to water level, feet below land surface
131.70
131.75
131.80
131.85
131.90
131.95
132.00
132.05
Groundwater level above NAVD 1988, feet
3449.30
3449.25
3449.20
3449.15
3449.10
3449.05
3449.00
3448.95
Jan 16 1950
Jan 16 1950
Jan 16 1950
Jan 16 1950
Jan 16 1950
Jan 16 1950
Jan 17 1950
Period of approved data

New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: RA 05666 **Subbasin:** RA **Cross Reference:** -

Primary Purpose: STK 72-12-1 LIVESTOCK WATERING

Primary Status: PMT PERMIT

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 3 **Cause/Case:** -

Agent: KEVIN WILBANKS

Owner: LAURIE WILBANKS

Owner: BEVERLY WILBANKS

Owner: JERRY WILBANKS

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	486580	72121	2011-10-06	EXP	EXP	RA-5666 REPAIR/DEEPEN	T		3	
get images	463016	COWNF	2010-07-01	CHG	PRC	RA 05666	T		3	
	255281	72121	1978-05-25	PMT	APR	RA 05666	T		3	
	255280	72121	1974-02-21	PMT	APR	RA 05666	T		3	
	255266	72121	1971-06-10	PMT	APR	RA 05666	T		3	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Other Location Desc
RA 05666		Shallow	3	1	2	08	20S	25E	546342	3606233	
RA 05666 NEW			3	1	2	08	20S	25E	546356	3606235*	

***An (*) after northing value indicates UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	RA 05666	3	1	2	08	20S	25E	546342	3606233

Driller License: 460 **Driller Company:** JENKINS BROTHERS DRILLING

Driller Name:

Drill Start Date: 06/04/1971 **Drill Finish Date:** 06/14/1971 **Plug Date:**

Log File Date: 06/18/1971 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: 8.58 **Depth Well:** 249 feet **Depth Water:** 249 feet

Meter Number: 14132 **Meter Make:** MASTER

Meter Serial Number: GRR-27 **Meter Multiplier:** 100.0000

Number of Dials: 6 **Meter Type:** Diversion

Unit of Measure: Gallons **Return Flow Percent:**

Usage Multiplier: **Reading Frequency:**

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
09/16/2010	2010	25935	A	sj		0	
10/21/2010	2010	26501	A	sj		0.174	

**YTD Meter Amounts:	Year	Amount
	2010	0.174

ATTACHMENT 2: PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG		
Frontier Field Services, LLC	**Limousine Receiver Eddy County, New Mexico**	**NAB1902335282**

Photo No.	**Date**
1	April 7, 2022

East facing photo taken during excavation activities.

Photo No.	**Date**
2	April 8, 2022

North facing photo taken during excavation activities.

PHOTOGRAPHIC LOG		
Frontier Field Services, LLC	**Limousine Receiver Eddy County, New Mexico**	**NAB1902335282**

Photo No.	**Date**
3	April 8, 2022

South facing photo taken during excavation activities.

Photo No.	**Date**
4	April 8, 2022

South facing photo taken during excavation activities.

ATTACHMENT 3: LABORATORY ANALYTICAL RESULTS

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-2056-1
Laboratory Sample Delivery Group: 31403665015
Client Project/Site: LIMOUSINE RECEIVER

For:
WSP USA Inc.
2777 N. Stemmons Freeway
Suite 1600
Dallas, Texas 75207

Attn: Travis Casey

JKramer

Authorized for release by:
3/23/2022 7:27:40 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: WSP USA Inc.
Project/Site: LIMOUSINE RECEIVER

Laboratory Job ID: 890-2056-1
SDG: 31403665015

Table of Contents

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-2056-1
Project/Site: LIMOUSINE RECEIVER SDG: 31403665015

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: WSP USA Inc. Job ID: 890-2056-1
Project/Site: LIMOUSINE RECEIVER SDG: 31403665015

Job ID: 890-2056-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2056-1

Receipt
The samples were received on 3/8/2022 2:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°C

GC VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-21363 and analytical batch 880-21518 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: WSP USA Inc.
Project/Site: LIMOUSINE RECEIVER

Job ID: 890-2056-1
SDG: 31403665015

Client Sample ID: SW01

Lab Sample ID: 890-2056-1
Matrix: Solid
Date Collected: 03/08/22 08:24
Date Received: 03/08/22 14:10
Sample Depth: 0 - 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/14/22 17:00	03/15/22 12:21	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/14/22 17:00	03/15/22 12:21	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/14/22 17:00	03/15/22 12:21	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/14/22 17:00	03/15/22 12:21	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/14/22 17:00	03/15/22 12:21	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/14/22 17:00	03/15/22 12:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*03/14/22 17:00*	*03/15/22 12:21*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*03/14/22 17:00*	*03/15/22 12:21*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			03/14/22 14:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/14/22 11:58	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/11/22 08:33	03/13/22 23:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/11/22 08:33	03/13/22 23:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/11/22 08:33	03/13/22 23:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*03/11/22 08:33*	*03/13/22 23:20*	*1*
o-Terphenyl	*91*		*70 - 130*	*03/11/22 08:33*	*03/13/22 23:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.8**		5.00		mg/Kg			03/21/22 00:18	1

Client Sample ID: SW02

Lab Sample ID: 890-2056-2
Matrix: Solid
Date Collected: 03/08/22 08:27
Date Received: 03/08/22 14:10
Sample Depth: 0 - 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/14/22 17:00	03/15/22 12:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/14/22 17:00	03/15/22 12:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/14/22 17:00	03/15/22 12:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/14/22 17:00	03/15/22 12:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/14/22 17:00	03/15/22 12:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/14/22 17:00	03/15/22 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*03/14/22 17:00*	*03/15/22 12:42*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: LIMOUSINE RECEIVER

Job ID: 890-2056-1
SDG: 31403665015

Client Sample ID: SW02

Lab Sample ID: 890-2056-2
Matrix: Solid
Date Collected: 03/08/22 08:27
Date Received: 03/08/22 14:10
Sample Depth: 0 - 5

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*03/14/22 17:00*	*03/15/22 12:42*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			03/14/22 14:52	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**653**		50.0	mg/Kg			03/14/22 11:58	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/11/22 08:33	03/13/22 23:42	1
Diesel Range Organics (Over C10-C28)	**653**		50.0	mg/Kg		03/11/22 08:33	03/13/22 23:42	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/11/22 08:33	03/13/22 23:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*101*		*70 - 130*	*03/11/22 08:33*	*03/13/22 23:42*	*1*
o-Terphenyl	*113*		*70 - 130*	*03/11/22 08:33*	*03/13/22 23:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3150**		99.2	mg/Kg			03/21/22 14:04	20

Client Sample ID: SW03

Lab Sample ID: 890-2056-3
Matrix: Solid
Date Collected: 03/08/22 08:30
Date Received: 03/08/22 14:10
Sample Depth: 0 - 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/10/22 17:00	03/15/22 13:23	1
Toluene	**0.00290**		0.00200	mg/Kg		03/10/22 17:00	03/15/22 13:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/10/22 17:00	03/15/22 13:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/10/22 17:00	03/15/22 13:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/10/22 17:00	03/15/22 13:23	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/10/22 17:00	03/15/22 13:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*03/10/22 17:00*	*03/15/22 13:23*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*03/10/22 17:00*	*03/15/22 13:23*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/14/22 14:52	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**277**		49.9	mg/Kg			03/14/22 11:58	1

Eurofins Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: LIMOUSINE RECEIVER

Job ID: 890-2056-1
SDG: 31403665015

Client Sample ID: SW03

Date Collected: 03/08/22 08:30
Date Received: 03/08/22 14:10
Sample Depth: 0 - 5

Lab Sample ID: 890-2056-3
Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	69.1		49.9		mg/Kg		03/11/22 08:33	03/14/22 00:03	1
Diesel Range Organics (Over C10-C28)	208		49.9		mg/Kg		03/11/22 08:33	03/14/22 00:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/11/22 08:33	03/14/22 00:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*03/11/22 08:33*	*03/14/22 00:03*	*1*
o-Terphenyl	*115*		*70 - 130*	*03/11/22 08:33*	*03/14/22 00:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1490		4.98		mg/Kg			03/21/22 00:53	1

Client Sample ID: SW04

Date Collected: 03/08/22 08:35
Date Received: 03/08/22 14:10
Sample Depth: 0 - 5

Lab Sample ID: 890-2056-4
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/14/22 17:00	03/15/22 13:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/14/22 17:00	03/15/22 13:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/14/22 17:00	03/15/22 13:43	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/14/22 17:00	03/15/22 13:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/14/22 17:00	03/15/22 13:43	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/14/22 17:00	03/15/22 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*03/14/22 17:00*	*03/15/22 13:43*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*03/14/22 17:00*	*03/15/22 13:43*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/14/22 14:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/14/22 11:58	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/11/22 08:33	03/14/22 00:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/11/22 08:33	03/14/22 00:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/11/22 08:33	03/14/22 00:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*03/11/22 08:33*	*03/14/22 00:24*	*1*
o-Terphenyl	*101*		*70 - 130*	*03/11/22 08:33*	*03/14/22 00:24*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: LIMOUSINE RECEIVER

Job ID: 890-2056-1
SDG: 31403665015

Client Sample ID: SW04

Lab Sample ID: 890-2056-4

Date Collected: 03/08/22 08:35
Matrix: Solid
Date Received: 03/08/22 14:10
Sample Depth: 0 - 5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**84.9**		4.98		mg/Kg			03/21/22 01:02	1

Client Sample ID: SW05

Lab Sample ID: 890-2056-5

Date Collected: 03/08/22 08:42
Matrix: Solid
Date Received: 03/08/22 14:10
Sample Depth: 0 - 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/14/22 17:00	03/15/22 14:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/14/22 17:00	03/15/22 14:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/14/22 17:00	03/15/22 14:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/14/22 17:00	03/15/22 14:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/14/22 17:00	03/15/22 14:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/14/22 17:00	03/15/22 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*03/14/22 17:00*	*03/15/22 14:04*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*03/14/22 17:00*	*03/15/22 14:04*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/14/22 14:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**102**		49.9		mg/Kg			03/14/22 11:58	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/11/22 08:33	03/14/22 00:45	1
Diesel Range Organics (Over C10-C28)	**102**		49.9		mg/Kg		03/11/22 08:33	03/14/22 00:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/11/22 08:33	03/14/22 00:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*03/11/22 08:33*	*03/14/22 00:45*	*1*
o-Terphenyl	*116*		*70 - 130*	*03/11/22 08:33*	*03/14/22 00:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**942**		5.00		mg/Kg			03/21/22 01:11	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: LIMOUSINE RECEIVER

Job ID: 890-2056-1
SDG: 31403665015

Client Sample ID: SW06

Lab Sample ID: 890-2056-6
Matrix: Solid
Date Collected: 03/08/22 08:44
Date Received: 03/08/22 14:10
Sample Depth: 0 - 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/14/22 17:00	03/15/22 14:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/14/22 17:00	03/15/22 14:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/14/22 17:00	03/15/22 14:24	1
m-Xylene & p-Xylene	**0.00584**		0.00402		mg/Kg		03/14/22 17:00	03/15/22 14:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/14/22 17:00	03/15/22 14:24	1
Xylenes, Total	**0.00584**		0.00402		mg/Kg		03/14/22 17:00	03/15/22 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*03/14/22 17:00*	*03/15/22 14:24*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*03/14/22 17:00*	*03/15/22 14:24*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00584**		0.00402		mg/Kg			03/14/22 14:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2910**		49.9		mg/Kg			03/14/22 11:58	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/11/22 08:33	03/14/22 01:06	1
Diesel Range Organics (Over C10-C28)	**2910**		49.9		mg/Kg		03/11/22 08:33	03/14/22 01:06	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/11/22 08:33	03/14/22 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*03/11/22 08:33*	*03/14/22 01:06*	*1*
o-Terphenyl	*120*		*70 - 130*	*03/11/22 08:33*	*03/14/22 01:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**731**		4.95		mg/Kg			03/21/22 01:19	1

Client Sample ID: SW07

Lab Sample ID: 890-2056-7
Matrix: Solid
Date Collected: 03/08/22 08:46
Date Received: 03/08/22 14:10
Sample Depth: 0 - 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/14/22 17:00	03/15/22 14:45	1
Toluene	**0.00702**		0.00199		mg/Kg		03/14/22 17:00	03/15/22 14:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/14/22 17:00	03/15/22 14:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/14/22 17:00	03/15/22 14:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/14/22 17:00	03/15/22 14:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/14/22 17:00	03/15/22 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*03/14/22 17:00*	*03/15/22 14:45*	*1*

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Client Sample Results

Client: WSP USA Inc.
Project/Site: LIMOUSINE RECEIVER

Job ID: 890-2056-1
SDG: 31403665015

Client Sample ID: SW07

Lab Sample ID: 890-2056-7
Matrix: Solid
Date Collected: 03/08/22 08:46
Date Received: 03/08/22 14:10
Sample Depth: 0 - 5

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*03/14/22 17:00*	*03/15/22 14:45*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00702**		0.00398		mg/Kg			03/14/22 14:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**581**		50.0		mg/Kg			03/14/22 11:58	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/11/22 08:33	03/14/22 01:27	1
Diesel Range Organics (Over C10-C28)	**581**		50.0		mg/Kg		03/11/22 08:33	03/14/22 01:27	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/11/22 08:33	03/14/22 01:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*96*		*70 - 130*	*03/11/22 08:33*	*03/14/22 01:27*	*1*
o-Terphenyl	*103*		*70 - 130*	*03/11/22 08:33*	*03/14/22 01:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1080**		5.04		mg/Kg			03/21/22 01:28	1

Client Sample ID: SW08

Lab Sample ID: 890-2056-8
Matrix: Solid
Date Collected: 03/08/22 08:48
Date Received: 03/08/22 14:10
Sample Depth: 0 - 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/16/22 09:01	03/16/22 15:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/16/22 09:01	03/16/22 15:52	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/16/22 09:01	03/16/22 15:52	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/16/22 09:01	03/16/22 15:52	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/16/22 09:01	03/16/22 15:52	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/16/22 09:01	03/16/22 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*03/16/22 09:01*	*03/16/22 15:52*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*03/16/22 09:01*	*03/16/22 15:52*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			03/14/22 14:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/14/22 11:58	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: LIMOUSINE RECEIVER

Job ID: 890-2056-1
SDG: 31403665015

Client Sample ID: SW08

Lab Sample ID: 890-2056-8

Date Collected: 03/08/22 08:48
Matrix: Solid
Date Received: 03/08/22 14:10
Sample Depth: 0 - 5

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/11/22 08:33	03/14/22 01:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/11/22 08:33	03/14/22 01:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/11/22 08:33	03/14/22 01:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*03/11/22 08:33*	*03/14/22 01:48*	*1*
o-Terphenyl	*108*		*70 - 130*	*03/11/22 08:33*	*03/14/22 01:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**25.5**		5.00		mg/Kg			03/21/22 01:37	1

Client Sample ID: FS01

Lab Sample ID: 890-2056-9

Date Collected: 03/08/22 08:52
Matrix: Solid
Date Received: 03/08/22 14:10
Sample Depth: 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.106**		0.0398		mg/Kg		03/16/22 09:01	03/16/22 16:12	20
Toluene	**0.0512**		0.0398		mg/Kg		03/16/22 09:01	03/16/22 16:12	20
Ethylbenzene	**0.148**		0.0398		mg/Kg		03/16/22 09:01	03/16/22 16:12	20
m-Xylene & p-Xylene	<0.0795	U	0.0795		mg/Kg		03/16/22 09:01	03/16/22 16:12	20
o-Xylene	<0.0398	U	0.0398		mg/Kg		03/16/22 09:01	03/16/22 16:12	20
Xylenes, Total	<0.0795	U	0.0795		mg/Kg		03/16/22 09:01	03/16/22 16:12	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*03/16/22 09:01*	*03/16/22 16:12*	*20*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*03/16/22 09:01*	*03/16/22 16:12*	*20*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.305**		0.0795		mg/Kg			03/14/22 14:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2000**		50.0		mg/Kg			03/14/22 11:58	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**182**		50.0		mg/Kg		03/11/22 08:33	03/14/22 02:09	1
Diesel Range Organics (Over C10-C28)	**1820**		50.0		mg/Kg		03/11/22 08:33	03/14/22 02:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/11/22 08:33	03/14/22 02:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*03/11/22 08:33*	*03/14/22 02:09*	*1*
o-Terphenyl	*106*		*70 - 130*	*03/11/22 08:33*	*03/14/22 02:09*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: LIMOUSINE RECEIVER

Job ID: 890-2056-1
SDG: 31403665015

Client Sample ID: FS01

Lab Sample ID: 890-2056-9
Matrix: Solid
Date Collected: 03/08/22 08:52
Date Received: 03/08/22 14:10
Sample Depth: 5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1480**		24.8		mg/Kg			03/23/22 19:44	5

Client Sample ID: FS02

Lab Sample ID: 890-2056-10
Matrix: Solid
Date Collected: 03/08/22 08:52
Date Received: 03/08/22 14:10
Sample Depth: 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/11/22 08:50	03/11/22 19:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/11/22 08:50	03/11/22 19:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/11/22 08:50	03/11/22 19:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/11/22 08:50	03/11/22 19:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/11/22 08:50	03/11/22 19:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/11/22 08:50	03/11/22 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*03/11/22 08:50*	*03/11/22 19:04*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*03/11/22 08:50*	*03/11/22 19:04*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/14/22 14:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**3810**		49.9		mg/Kg			03/14/22 11:58	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**65.7**		49.9		mg/Kg		03/11/22 08:33	03/14/22 02:50	1
Diesel Range Organics (Over C10-C28)	**3740**		49.9		mg/Kg		03/11/22 08:33	03/14/22 02:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/11/22 08:33	03/14/22 02:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*03/11/22 08:33*	*03/14/22 02:50*	*1*
o-Terphenyl	*105*		*70 - 130*	*03/11/22 08:33*	*03/14/22 02:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**507**		50.0		mg/Kg			03/15/22 23:54	10

Client Sample Results

Client: WSP USA Inc.
Project/Site: LIMOUSINE RECEIVER

Job ID: 890-2056-1
SDG: 31403665015

Client Sample ID: FS03

Lab Sample ID: 890-2056-11
Matrix: Solid
Date Collected: 03/08/22 08:54
Date Received: 03/08/22 14:10
Sample Depth: 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/11/22 08:50	03/11/22 19:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/11/22 08:50	03/11/22 19:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/11/22 08:50	03/11/22 19:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/11/22 08:50	03/11/22 19:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/11/22 08:50	03/11/22 19:25	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/11/22 08:50	03/11/22 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*03/11/22 08:50*	*03/11/22 19:25*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*03/11/22 08:50*	*03/11/22 19:25*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/14/22 14:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**796**		50.0		mg/Kg			03/14/22 11:58	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/11/22 08:33	03/14/22 03:12	1
Diesel Range Organics (Over C10-C28)	**796**		50.0		mg/Kg		03/11/22 08:33	03/14/22 03:12	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/11/22 08:33	03/14/22 03:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*03/11/22 08:33*	*03/14/22 03:12*	*1*
o-Terphenyl	*107*		*70 - 130*	*03/11/22 08:33*	*03/14/22 03:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1210**		24.8		mg/Kg			03/16/22 18:07	5

Client Sample ID: FS04

Lab Sample ID: 890-2056-12
Matrix: Solid
Date Collected: 03/08/22 08:56
Date Received: 03/08/22 14:10
Sample Depth: 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/11/22 08:50	03/11/22 19:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/11/22 08:50	03/11/22 19:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/11/22 08:50	03/11/22 19:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/11/22 08:50	03/11/22 19:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/11/22 08:50	03/11/22 19:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/11/22 08:50	03/11/22 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*03/11/22 08:50*	*03/11/22 19:45*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: LIMOUSINE RECEIVER

Job ID: 890-2056-1
SDG: 31403665015

Client Sample ID: FS04

Date Collected: 03/08/22 08:56
Date Received: 03/08/22 14:10
Sample Depth: 5

Lab Sample ID: 890-2056-12

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*03/11/22 08:50*	*03/11/22 19:45*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			03/14/22 14:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/14/22 11:58	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/11/22 08:33	03/14/22 03:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/11/22 08:33	03/14/22 03:32	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/11/22 08:33	03/14/22 03:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*03/11/22 08:33*	*03/14/22 03:32*	*1*
o-Terphenyl	*119*		*70 - 130*	*03/11/22 08:33*	*03/14/22 03:32*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**174**		5.05		mg/Kg			03/16/22 18:16	1

Surrogate Summary

Client: WSP USA Inc.
Project/Site: LIMOUSINE RECEIVER

Job ID: 890-2056-1
SDG: 31403665015

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)										
880-12254-A-1-E MS	Matrix Spike	102	104										
880-12254-A-1-F MSD	Matrix Spike Duplicate	102	103										
890-2056-1	SW01	109	111										
890-2056-1 MS	SW01	107	101										
890-2056-1 MSD	SW01	107	108										
890-2056-2	SW02	108	111										
890-2056-3	SW03	112	109										
890-2056-4	SW04	106	109										
890-2056-5	SW05	111	114										
890-2056-6	SW06	93	108										
890-2056-7	SW07	107	106										
890-2056-8	SW08	110	115										
890-2056-9	FS01	75	104										
890-2056-10	FS02	106	103										
890-2056-11	FS03	102	103										
890-2056-12	FS04	107	107										
890-2070-A-1-B MS	Matrix Spike	106	113										
890-2070-A-1-C MSD	Matrix Spike Duplicate	104	112										
LCS 880-21301/1-A	Lab Control Sample	105	113										
LCS 880-21365/1-A	Lab Control Sample	94	103										
LCS 880-21696/1-A	Lab Control Sample	101	111										
LCSD 880-21301/2-A	Lab Control Sample Dup	105	113										
LCSD 880-21365/2-A	Lab Control Sample Dup	97	98										
LCSD 880-21696/2-A	Lab Control Sample Dup	103	112										
MB 880-21301/5-A	Method Blank	101	104										
MB 880-21365/5-A	Method Blank	97	101										
MB 880-21696/5-A	Method Blank	101	104										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
890-2054-A-1-D MS	Matrix Spike	89	91										
890-2054-A-1-E MSD	Matrix Spike Duplicate	71	69 S1-										
890-2056-1	SW01	84	91										
890-2056-2	SW02	101	113										
890-2056-3	SW03	105	115										
890-2056-4	SW04	92	101										
890-2056-5	SW05	109	116										
890-2056-6	SW06	130	120										
890-2056-7	SW07	96	103										
890-2056-8	SW08	98	108										
890-2056-9	FS01	122	106										
890-2056-10	FS02	123	105										

Surrogate Summary

Client: WSP USA Inc. Job ID: 890-2056-1
Project/Site: LIMOUSINE RECEIVER SDG: 31403665015

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
890-2056-11	FS03	101	107								
890-2056-12	FS04	107	119								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO2	OTPH2								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
LCS 880-21363/2-A	Lab Control Sample	89	94								
LCSD 880-21363/3-A	Lab Control Sample Dup	107	120								
MB 880-21363/1-A	Method Blank	99	114								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc.
Project/Site: LIMOUSINE RECEIVER

Job ID: 890-2056-1
SDG: 31403665015

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-21301/5-A
Matrix: Solid
Analysis Batch: 21616

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 21301

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/14/22 17:00	03/15/22 12:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/14/22 17:00	03/15/22 12:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/14/22 17:00	03/15/22 12:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/14/22 17:00	03/15/22 12:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/14/22 17:00	03/15/22 12:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/14/22 17:00	03/15/22 12:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/14/22 17:00*	*03/15/22 12:00*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*03/14/22 17:00*	*03/15/22 12:00*	*1*

Lab Sample ID: LCS 880-21301/1-A
Matrix: Solid
Analysis Batch: 21616

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21301

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1156		mg/Kg		116	70 - 130		
Toluene			0.100	0.1138		mg/Kg		114	70 - 130		
Ethylbenzene			0.100	0.1135		mg/Kg		113	70 - 130		
m-Xylene & p-Xylene			0.200	0.2358		mg/Kg		118	70 - 130		
o-Xylene			0.100	0.1139		mg/Kg		114	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*

Lab Sample ID: LCSD 880-21301/2-A
Matrix: Solid
Analysis Batch: 21616

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 21301

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1199		mg/Kg		120	70 - 130	4	35
Toluene			0.100	0.1164		mg/Kg		116	70 - 130	2	35
Ethylbenzene			0.100	0.1167		mg/Kg		117	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.2424		mg/Kg		121	70 - 130	3	35
o-Xylene			0.100	0.1168		mg/Kg		117	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*

Lab Sample ID: 890-2056-1 MS
Matrix: Solid
Analysis Batch: 21616

Client Sample ID: SW01
Prep Type: Total/NA
Prep Batch: 21301

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00202	U	0.100	0.09586		mg/Kg		96	70 - 130		
Toluene	<0.00202	U	0.100	0.09995		mg/Kg		99	70 - 130		

QC Sample Results

Client: WSP USA Inc.
Project/Site: LIMOUSINE RECEIVER

Job ID: 890-2056-1
SDG: 31403665015

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-2056-1 MS
Matrix: Solid
Analysis Batch: 21616

Client Sample ID: SW01
Prep Type: Total/NA
Prep Batch: 21301

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00202	U	0.100	0.1044		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.200	0.2163		mg/Kg		108	70 - 130
o-Xylene	<0.00202	U	0.100	0.1053		mg/Kg		105	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 890-2056-1 MSD
Matrix: Solid
Analysis Batch: 21616

Client Sample ID: SW01
Prep Type: Total/NA
Prep Batch: 21301

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0992	0.08561		mg/Kg		86	70 - 130	11	35
Toluene	<0.00202	U	0.0992	0.08397		mg/Kg		84	70 - 130	17	35
Ethylbenzene	<0.00202	U	0.0992	0.08329		mg/Kg		83	70 - 130	22	35
m-Xylene & p-Xylene	<0.00403	U	0.198	0.1752		mg/Kg		88	70 - 130	21	35
o-Xylene	<0.00202	U	0.0992	0.08560		mg/Kg		86	70 - 130	21	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: MB 880-21365/5-A
Matrix: Solid
Analysis Batch: 21366

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 21365

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/11/22 08:50	03/11/22 12:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/11/22 08:50	03/11/22 12:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/11/22 08:50	03/11/22 12:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/11/22 08:50	03/11/22 12:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/11/22 08:50	03/11/22 12:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/11/22 08:50	03/11/22 12:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/11/22 08:50*	*03/11/22 12:40*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*03/11/22 08:50*	*03/11/22 12:40*	*1*

Lab Sample ID: LCS 880-21365/1-A
Matrix: Solid
Analysis Batch: 21366

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21365

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09712		mg/Kg		97	70 - 130
Toluene	0.100	0.09327		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09429		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.2190		mg/Kg		109	70 - 130

QC Sample Results

Client: WSP USA Inc.
Project/Site: LIMOUSINE RECEIVER

Job ID: 890-2056-1
SDG: 31403665015

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-21365/1-A
Matrix: Solid
Analysis Batch: 21366

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21365

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
o-Xylene			0.100	0.1061		mg/Kg		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-21365/2-A
Matrix: Solid
Analysis Batch: 21366

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 21365

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09481		mg/Kg		95	70 - 130	2	35
Toluene			0.100	0.09272		mg/Kg		93	70 - 130	1	35
Ethylbenzene			0.100	0.09409		mg/Kg		94	70 - 130	0	35
m-Xylene & p-Xylene			0.200	0.2206		mg/Kg		110	70 - 130	1	35
o-Xylene			0.100	0.1082		mg/Kg		108	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 880-12254-A-1-E MS
Matrix: Solid
Analysis Batch: 21366

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 21365

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00199	U	0.0998	0.08929		mg/Kg		89	70 - 130		
Toluene	<0.00199	U F1	0.0998	0.07024		mg/Kg		70	70 - 130		
Ethylbenzene	<0.00199	U F1	0.0998	0.05491	F1	mg/Kg		54	70 - 130		
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.09500	F1	mg/Kg		48	70 - 130		
o-Xylene	<0.00199	U F1	0.0998	0.06803	F1	mg/Kg		68	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 880-12254-A-1-F MSD
Matrix: Solid
Analysis Batch: 21366

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 21365

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0996	0.07551		mg/Kg		76	70 - 130	17	35
Toluene	<0.00199	U F1	0.0996	0.05814	F1	mg/Kg		58	70 - 130	19	35
Ethylbenzene	<0.00199	U F1	0.0996	0.04339	F1	mg/Kg		43	70 - 130	23	35
m-Xylene & p-Xylene	<0.00398	U F1	0.199	0.07847	F1	mg/Kg		39	70 - 130	19	35
o-Xylene	<0.00199	U F1	0.0996	0.05406	F1	mg/Kg		54	70 - 130	23	35

QC Sample Results

Client: WSP USA Inc.
Project/Site: LIMOUSINE RECEIVER

Job ID: 890-2056-1
SDG: 31403665015

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-12254-A-1-F MSD
Matrix: Solid
Analysis Batch: 21366

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 21365

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-21696/5-A
Matrix: Solid
Analysis Batch: 21704

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 21696

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/16/22 09:01	03/16/22 15:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/16/22 09:01	03/16/22 15:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/16/22 09:01	03/16/22 15:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/16/22 09:01	03/16/22 15:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/16/22 09:01	03/16/22 15:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/16/22 09:01	03/16/22 15:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	03/16/22 09:01	03/16/22 15:09	1
1,4-Difluorobenzene (Surr)	104		70 - 130	03/16/22 09:01	03/16/22 15:09	1

Lab Sample ID: LCS 880-21696/1-A
Matrix: Solid
Analysis Batch: 21704

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21696

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1007		mg/Kg		101	70 - 130		
Toluene			0.100	0.1005		mg/Kg		100	70 - 130		
Ethylbenzene			0.100	0.1012		mg/Kg		101	70 - 130		
m-Xylene & p-Xylene			0.200	0.2099		mg/Kg		105	70 - 130		
o-Xylene			0.100	0.1033		mg/Kg		103	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: LCSD 880-21696/2-A
Matrix: Solid
Analysis Batch: 21704

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 21696

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1008		mg/Kg		101	70 - 130	0	35
Toluene			0.100	0.09932		mg/Kg		99	70 - 130	1	35
Ethylbenzene			0.100	0.1013		mg/Kg		101	70 - 130	0	35
m-Xylene & p-Xylene			0.200	0.2104		mg/Kg		105	70 - 130	0	35
o-Xylene			0.100	0.1037		mg/Kg		104	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130

QC Sample Results

Client: WSP USA Inc.
Project/Site: LIMOUSINE RECEIVER

Job ID: 890-2056-1
SDG: 31403665015

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-21696/2-A
Matrix: Solid
Analysis Batch: 21704

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 21696

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 890-2070-A-1-B MS
Matrix: Solid
Analysis Batch: 21704

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 21696

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U	0.100	0.09469		mg/Kg		94	70 - 130
Toluene	<0.00200	U	0.100	0.09298		mg/Kg		93	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09512		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.201	0.1980		mg/Kg		99	70 - 130
o-Xylene	<0.00200	U	0.100	0.09770		mg/Kg		97	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: 890-2070-A-1-C MSD
Matrix: Solid
Analysis Batch: 21704

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 21696

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08648		mg/Kg		86	70 - 130	9	35
Toluene	<0.00200	U	0.100	0.08473		mg/Kg		85	70 - 130	9	35
Ethylbenzene	<0.00200	U	0.100	0.08638		mg/Kg		86	70 - 130	10	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1801		mg/Kg		90	70 - 130	9	35
o-Xylene	<0.00200	U	0.100	0.08791		mg/Kg		88	70 - 130	11	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-21363/1-A
Matrix: Solid
Analysis Batch: 21518

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 21363

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/11/22 08:33	03/13/22 21:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/11/22 08:33	03/13/22 21:11	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/11/22 08:33	03/13/22 21:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	03/11/22 08:33	03/13/22 21:11	1
o-Terphenyl	114		70 - 130	03/11/22 08:33	03/13/22 21:11	1

QC Sample Results

Client: WSP USA Inc.
Project/Site: LIMOUSINE RECEIVER

Job ID: 890-2056-1
SDG: 31403665015

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-21363/2-A
Matrix: Solid
Analysis Batch: 21518

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21363

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	925.1		mg/Kg		93	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	832.3		mg/Kg		83	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*89*		*70 - 130*
o-Terphenyl	*94*		*70 - 130*

Lab Sample ID: LCSD 880-21363/3-A
Matrix: Solid
Analysis Batch: 21518

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 21363

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	982.0		mg/Kg		98	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	938.2		mg/Kg		94	70 - 130	12	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*107*		*70 - 130*
o-Terphenyl	*120*		*70 - 130*

Lab Sample ID: 890-2054-A-1-D MS
Matrix: Solid
Analysis Batch: 21518

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 21363

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1 F2	998	866.4		mg/Kg		84	70 - 130		
Diesel Range Organics (Over C10-C28)	51.5	F1 F2	998	834.4		mg/Kg		78	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*89*		*70 - 130*
o-Terphenyl	*91*		*70 - 130*

Lab Sample ID: 890-2054-A-1-E MSD
Matrix: Solid
Analysis Batch: 21518

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 21363

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1 F2	998	674.5	F1 F2	mg/Kg		64	70 - 130	25	20
Diesel Range Organics (Over C10-C28)	51.5	F1 F2	998	643.9	F1 F2	mg/Kg		59	70 - 130	26	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*71*		*70 - 130*

QC Sample Results

Client: WSP USA Inc.
Project/Site: LIMOUSINE RECEIVER

Job ID: 890-2056-1
SDG: 31403665015

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-2054-A-1-E MSD
Matrix: Solid
Analysis Batch: 21518

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 21363

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	69	S1-	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-21596/1-A
Matrix: Solid
Analysis Batch: 21657

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/15/22 20:12	1

Lab Sample ID: LCS 880-21596/2-A
Matrix: Solid
Analysis Batch: 21657

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	238.7		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-21596/3-A
Matrix: Solid
Analysis Batch: 21657

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	238.9		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-12274-A-15-F MS
Matrix: Solid
Analysis Batch: 21657

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	8940		2490	11590		mg/Kg		107	90 - 110		

Lab Sample ID: 880-12274-A-15-G MSD
Matrix: Solid
Analysis Batch: 21657

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	8940		2490	11570		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 880-12274-A-25-E MS
Matrix: Solid
Analysis Batch: 21657

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	<5.00	U	250	241.4		mg/Kg		95	90 - 110		

QC Sample Results

Client: WSP USA Inc.
Project/Site: LIMOUSINE RECEIVER

Job ID: 890-2056-1
SDG: 31403665015

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-12274-A-25-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 21657

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	<5.00	U	250	235.5		mg/Kg		93	90 - 110	2	20

Lab Sample ID: MB 880-21404/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 21967

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/20/22 21:12	1

Lab Sample ID: LCS 880-21404/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 21967

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	252.6		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-21404/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 21967

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	254.6		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 890-2055-A-10-F MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 21967

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	36.2		249	297.4		mg/Kg		105	90 - 110		

Lab Sample ID: 890-2055-A-10-G MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 21967

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	36.2		249	293.9		mg/Kg		104	90 - 110	1	20

Lab Sample ID: MB 880-22210/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 22211

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/23/22 14:12	1

Lab Sample ID: LCS 880-22210/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 22211

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	268.8		mg/Kg		108	90 - 110		

QC Sample Results

Client: WSP USA Inc.
Project/Site: LIMOUSINE RECEIVER

Job ID: 890-2056-1
SDG: 31403665015

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-22210/3-A
Matrix: Solid
Analysis Batch: 22211

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	270.3		mg/Kg		108	90 - 110	1	20

Lab Sample ID: 880-12712-A-1-F MS
Matrix: Solid
Analysis Batch: 22211

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	1500		1250	2878		mg/Kg		110	90 - 110		

Lab Sample ID: 880-12712-A-1-G MSD
Matrix: Solid
Analysis Batch: 22211

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1500		1250	2877		mg/Kg		110	90 - 110	0	20

QC Association Summary

Client: WSP USA Inc. Job ID: 890-2056-1
Project/Site: LIMOUSINE RECEIVER SDG: 31403665015

GC VOA

Prep Batch: 21301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2056-1	SW01	Total/NA	Solid	5035	
890-2056-2	SW02	Total/NA	Solid	5035	
890-2056-3	SW03	Total/NA	Solid	5035	
890-2056-4	SW04	Total/NA	Solid	5035	
890-2056-5	SW05	Total/NA	Solid	5035	
890-2056-6	SW06	Total/NA	Solid	5035	
890-2056-7	SW07	Total/NA	Solid	5035	
MB 880-21301/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21301/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21301/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2056-1 MS	SW01	Total/NA	Solid	5035	
890-2056-1 MSD	SW01	Total/NA	Solid	5035	

Prep Batch: 21365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2056-10	FS02	Total/NA	Solid	5035	
890-2056-11	FS03	Total/NA	Solid	5035	
890-2056-12	FS04	Total/NA	Solid	5035	
MB 880-21365/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21365/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21365/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-12254-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-12254-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 21366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2056-10	FS02	Total/NA	Solid	8021B	21365
890-2056-11	FS03	Total/NA	Solid	8021B	21365
890-2056-12	FS04	Total/NA	Solid	8021B	21365
MB 880-21365/5-A	Method Blank	Total/NA	Solid	8021B	21365
LCS 880-21365/1-A	Lab Control Sample	Total/NA	Solid	8021B	21365
LCSD 880-21365/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21365
880-12254-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	21365
880-12254-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	21365

Analysis Batch: 21566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2056-1	SW01	Total/NA	Solid	Total BTEX	
890-2056-2	SW02	Total/NA	Solid	Total BTEX	
890-2056-3	SW03	Total/NA	Solid	Total BTEX	
890-2056-4	SW04	Total/NA	Solid	Total BTEX	
890-2056-5	SW05	Total/NA	Solid	Total BTEX	
890-2056-6	SW06	Total/NA	Solid	Total BTEX	
890-2056-7	SW07	Total/NA	Solid	Total BTEX	
890-2056-8	SW08	Total/NA	Solid	Total BTEX	
890-2056-9	FS01	Total/NA	Solid	Total BTEX	
890-2056-10	FS02	Total/NA	Solid	Total BTEX	
890-2056-11	FS03	Total/NA	Solid	Total BTEX	
890-2056-12	FS04	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: WSP USA Inc. Job ID: 890-2056-1
Project/Site: LIMOUSINE RECEIVER SDG: 31403665015

GC VOA

Analysis Batch: 21616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2056-1	SW01	Total/NA	Solid	8021B	21301
890-2056-2	SW02	Total/NA	Solid	8021B	21301
890-2056-3	SW03	Total/NA	Solid	8021B	21301
890-2056-4	SW04	Total/NA	Solid	8021B	21301
890-2056-5	SW05	Total/NA	Solid	8021B	21301
890-2056-6	SW06	Total/NA	Solid	8021B	21301
890-2056-7	SW07	Total/NA	Solid	8021B	21301
MB 880-21301/5-A	Method Blank	Total/NA	Solid	8021B	21301
LCS 880-21301/1-A	Lab Control Sample	Total/NA	Solid	8021B	21301
LCSD 880-21301/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21301
890-2056-1 MS	SW01	Total/NA	Solid	8021B	21301
890-2056-1 MSD	SW01	Total/NA	Solid	8021B	21301

Prep Batch: 21696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2056-8	SW08	Total/NA	Solid	5035	
890-2056-9	FS01	Total/NA	Solid	5035	
MB 880-21696/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21696/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21696/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2070-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
890-2070-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 21704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2056-8	SW08	Total/NA	Solid	8021B	21696
890-2056-9	FS01	Total/NA	Solid	8021B	21696
MB 880-21696/5-A	Method Blank	Total/NA	Solid	8021B	21696
LCS 880-21696/1-A	Lab Control Sample	Total/NA	Solid	8021B	21696
LCSD 880-21696/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21696
890-2070-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	21696
890-2070-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	21696

GC Semi VOA

Prep Batch: 21363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2056-1	SW01	Total/NA	Solid	8015NM Prep	
890-2056-2	SW02	Total/NA	Solid	8015NM Prep	
890-2056-3	SW03	Total/NA	Solid	8015NM Prep	
890-2056-4	SW04	Total/NA	Solid	8015NM Prep	
890-2056-5	SW05	Total/NA	Solid	8015NM Prep	
890-2056-6	SW06	Total/NA	Solid	8015NM Prep	
890-2056-7	SW07	Total/NA	Solid	8015NM Prep	
890-2056-8	SW08	Total/NA	Solid	8015NM Prep	
890-2056-9	FS01	Total/NA	Solid	8015NM Prep	
890-2056-10	FS02	Total/NA	Solid	8015NM Prep	
890-2056-11	FS03	Total/NA	Solid	8015NM Prep	
890-2056-12	FS04	Total/NA	Solid	8015NM Prep	
MB 880-21363/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-21363/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: WSP USA Inc. Job ID: 890-2056-1
Project/Site: LIMOUSINE RECEIVER SDG: 31403665015

GC Semi VOA (Continued)

Prep Batch: 21363 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-21363/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2054-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2054-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 21518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2056-1	SW01	Total/NA	Solid	8015B NM	21363
890-2056-2	SW02	Total/NA	Solid	8015B NM	21363
890-2056-3	SW03	Total/NA	Solid	8015B NM	21363
890-2056-4	SW04	Total/NA	Solid	8015B NM	21363
890-2056-5	SW05	Total/NA	Solid	8015B NM	21363
890-2056-6	SW06	Total/NA	Solid	8015B NM	21363
890-2056-7	SW07	Total/NA	Solid	8015B NM	21363
890-2056-8	SW08	Total/NA	Solid	8015B NM	21363
890-2056-9	FS01	Total/NA	Solid	8015B NM	21363
890-2056-10	FS02	Total/NA	Solid	8015B NM	21363
890-2056-11	FS03	Total/NA	Solid	8015B NM	21363
890-2056-12	FS04	Total/NA	Solid	8015B NM	21363
MB 880-21363/1-A	Method Blank	Total/NA	Solid	8015B NM	21363
LCS 880-21363/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	21363
LCSD 880-21363/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	21363
890-2054-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	21363
890-2054-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	21363

Analysis Batch: 21526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2056-1	SW01	Total/NA	Solid	8015 NM	
890-2056-2	SW02	Total/NA	Solid	8015 NM	
890-2056-3	SW03	Total/NA	Solid	8015 NM	
890-2056-4	SW04	Total/NA	Solid	8015 NM	
890-2056-5	SW05	Total/NA	Solid	8015 NM	
890-2056-6	SW06	Total/NA	Solid	8015 NM	
890-2056-7	SW07	Total/NA	Solid	8015 NM	
890-2056-8	SW08	Total/NA	Solid	8015 NM	
890-2056-9	FS01	Total/NA	Solid	8015 NM	
890-2056-10	FS02	Total/NA	Solid	8015 NM	
890-2056-11	FS03	Total/NA	Solid	8015 NM	
890-2056-12	FS04	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 21404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2056-1	SW01	Soluble	Solid	DI Leach	
890-2056-2	SW02	Soluble	Solid	DI Leach	
890-2056-3	SW03	Soluble	Solid	DI Leach	
890-2056-4	SW04	Soluble	Solid	DI Leach	
890-2056-5	SW05	Soluble	Solid	DI Leach	
890-2056-6	SW06	Soluble	Solid	DI Leach	
890-2056-7	SW07	Soluble	Solid	DI Leach	
890-2056-8	SW08	Soluble	Solid	DI Leach	

QC Association Summary

Client: WSP USA Inc. Job ID: 890-2056-1
Project/Site: LIMOUSINE RECEIVER SDG: 31403665015

HPLC/IC (Continued)

Leach Batch: 21404 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-21404/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-21404/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-21404/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2055-A-10-F MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2055-A-10-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 21596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2056-10	FS02	Soluble	Solid	DI Leach	
890-2056-11	FS03	Soluble	Solid	DI Leach	
890-2056-12	FS04	Soluble	Solid	DI Leach	
MB 880-21596/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-21596/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-21596/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-12274-A-15-F MS	Matrix Spike	Soluble	Solid	DI Leach	
880-12274-A-15-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-12274-A-25-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-12274-A-25-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 21657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2056-10	FS02	Soluble	Solid	300.0	21596
890-2056-11	FS03	Soluble	Solid	300.0	21596
890-2056-12	FS04	Soluble	Solid	300.0	21596
MB 880-21596/1-A	Method Blank	Soluble	Solid	300.0	21596
LCS 880-21596/2-A	Lab Control Sample	Soluble	Solid	300.0	21596
LCSD 880-21596/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	21596
880-12274-A-15-F MS	Matrix Spike	Soluble	Solid	300.0	21596
880-12274-A-15-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	21596
880-12274-A-25-E MS	Matrix Spike	Soluble	Solid	300.0	21596
880-12274-A-25-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	21596

Analysis Batch: 21967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2056-1	SW01	Soluble	Solid	300.0	21404
890-2056-2	SW02	Soluble	Solid	300.0	21404
890-2056-3	SW03	Soluble	Solid	300.0	21404
890-2056-4	SW04	Soluble	Solid	300.0	21404
890-2056-5	SW05	Soluble	Solid	300.0	21404
890-2056-6	SW06	Soluble	Solid	300.0	21404
890-2056-7	SW07	Soluble	Solid	300.0	21404
890-2056-8	SW08	Soluble	Solid	300.0	21404
MB 880-21404/1-A	Method Blank	Soluble	Solid	300.0	21404
LCS 880-21404/2-A	Lab Control Sample	Soluble	Solid	300.0	21404
LCSD 880-21404/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	21404
890-2055-A-10-F MS	Matrix Spike	Soluble	Solid	300.0	21404
890-2055-A-10-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	21404

Leach Batch: 22210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2056-9	FS01	Soluble	Solid	DI Leach	

QC Association Summary

Client: WSP USA Inc. Job ID: 890-2056-1
Project/Site: LIMOUSINE RECEIVER SDG: 31403665015

HPLC/IC (Continued)

Leach Batch: 22210 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-22210/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-22210/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-22210/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-12712-A-1-F MS	Matrix Spike	Soluble	Solid	DI Leach	
880-12712-A-1-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 22211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2056-9	FS01	Soluble	Solid	300.0	22210
MB 880-22210/1-A	Method Blank	Soluble	Solid	300.0	22210
LCS 880-22210/2-A	Lab Control Sample	Soluble	Solid	300.0	22210
LCSD 880-22210/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	22210
880-12712-A-1-F MS	Matrix Spike	Soluble	Solid	300.0	22210
880-12712-A-1-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	22210

Lab Chronicle

Client: WSP USA Inc.
Project/Site: LIMOUSINE RECEIVER

Job ID: 890-2056-1
SDG: 31403665015

Client Sample ID: SW01

Lab Sample ID: 890-2056-1
Matrix: Solid
Date Collected: 03/08/22 08:24
Date Received: 03/08/22 14:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	21301	03/14/22 17:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21616	03/15/22 12:21	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			21566	03/14/22 14:52	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21526	03/14/22 11:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	21363	03/11/22 08:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21518	03/13/22 23:20	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	21404	03/11/22 14:28	CH	XEN MID
Soluble	Analysis	300.0		1			21967	03/21/22 00:18	CH	XEN MID

Client Sample ID: SW02

Lab Sample ID: 890-2056-2
Matrix: Solid
Date Collected: 03/08/22 08:27
Date Received: 03/08/22 14:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	21301	03/14/22 17:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21616	03/15/22 12:42	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			21566	03/14/22 14:52	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21526	03/14/22 11:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21363	03/11/22 08:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21518	03/13/22 23:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	21404	03/11/22 14:28	CH	XEN MID
Soluble	Analysis	300.0		20			21967	03/21/22 14:04	CH	XEN MID

Client Sample ID: SW03

Lab Sample ID: 890-2056-3
Matrix: Solid
Date Collected: 03/08/22 08:30
Date Received: 03/08/22 14:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	21301	03/10/22 17:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21616	03/15/22 13:23	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			21566	03/14/22 14:52	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21526	03/14/22 11:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	21363	03/11/22 08:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21518	03/14/22 00:03	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	21404	03/11/22 14:28	CH	XEN MID
Soluble	Analysis	300.0		1			21967	03/21/22 00:53	CH	XEN MID

Client Sample ID: SW04

Lab Sample ID: 890-2056-4
Matrix: Solid
Date Collected: 03/08/22 08:35
Date Received: 03/08/22 14:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	21301	03/14/22 17:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21616	03/15/22 13:43	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			21566	03/14/22 14:52	AJ	XEN MID

Lab Chronicle

Client: WSP USA Inc.
Project/Site: LIMOUSINE RECEIVER

Job ID: 890-2056-1
SDG: 31403665015

Client Sample ID: SW04

Date Collected: 03/08/22 08:35
Date Received: 03/08/22 14:10

Lab Sample ID: 890-2056-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			21526	03/14/22 11:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	21363	03/11/22 08:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21518	03/14/22 00:24	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	21404	03/11/22 14:28	CH	XEN MID
Soluble	Analysis	300.0		1			21967	03/21/22 01:02	CH	XEN MID

Client Sample ID: SW05

Date Collected: 03/08/22 08:42
Date Received: 03/08/22 14:10

Lab Sample ID: 890-2056-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	21301	03/14/22 17:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21616	03/15/22 14:04	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			21566	03/14/22 14:52	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21526	03/14/22 11:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	21363	03/11/22 08:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21518	03/14/22 00:45	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	21404	03/11/22 14:28	CH	XEN MID
Soluble	Analysis	300.0		1			21967	03/21/22 01:11	CH	XEN MID

Client Sample ID: SW06

Date Collected: 03/08/22 08:44
Date Received: 03/08/22 14:10

Lab Sample ID: 890-2056-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	21301	03/14/22 17:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21616	03/15/22 14:24	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			21566	03/14/22 14:52	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21526	03/14/22 11:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	21363	03/11/22 08:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21518	03/14/22 01:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	21404	03/11/22 14:28	CH	XEN MID
Soluble	Analysis	300.0		1			21967	03/21/22 01:19	CH	XEN MID

Client Sample ID: SW07

Date Collected: 03/08/22 08:46
Date Received: 03/08/22 14:10

Lab Sample ID: 890-2056-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	21301	03/14/22 17:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21616	03/15/22 14:45	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			21566	03/14/22 14:52	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21526	03/14/22 11:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21363	03/11/22 08:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21518	03/14/22 01:27	AJ	XEN MID

Lab Chronicle

Client: WSP USA Inc.
Project/Site: LIMOUSINE RECEIVER

Job ID: 890-2056-1
SDG: 31403665015

Client Sample ID: SW07

Lab Sample ID: 890-2056-7
Matrix: Solid
Date Collected: 03/08/22 08:46
Date Received: 03/08/22 14:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	21404	03/11/22 14:28	CH	XEN MID
Soluble	Analysis	300.0		1			21967	03/21/22 01:28	CH	XEN MID

Client Sample ID: SW08

Lab Sample ID: 890-2056-8
Matrix: Solid
Date Collected: 03/08/22 08:48
Date Received: 03/08/22 14:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	21696	03/16/22 09:01	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21704	03/16/22 15:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21566	03/14/22 14:52	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21526	03/14/22 11:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	21363	03/11/22 08:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21518	03/14/22 01:48	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	21404	03/11/22 14:28	CH	XEN MID
Soluble	Analysis	300.0		1			21967	03/21/22 01:37	CH	XEN MID

Client Sample ID: FS01

Lab Sample ID: 890-2056-9
Matrix: Solid
Date Collected: 03/08/22 08:52
Date Received: 03/08/22 14:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	21696	03/16/22 09:01	KL	XEN MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	21704	03/16/22 16:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21566	03/14/22 14:52	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21526	03/14/22 11:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21363	03/11/22 08:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21518	03/14/22 02:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	22210	03/23/22 15:04	SC	XEN MID
Soluble	Analysis	300.0		5			22211	03/23/22 19:44	SC	XEN MID

Client Sample ID: FS02

Lab Sample ID: 890-2056-10
Matrix: Solid
Date Collected: 03/08/22 08:52
Date Received: 03/08/22 14:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	21365	03/11/22 08:50	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21366	03/11/22 19:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21566	03/14/22 14:52	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21526	03/14/22 11:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	21363	03/11/22 08:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21518	03/14/22 02:50	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	21596	03/15/22 08:22	CH	XEN MID
Soluble	Analysis	300.0		10			21657	03/15/22 23:54	CH	XEN MID

Lab Chronicle

Client: WSP USA Inc.
Project/Site: LIMOUSINE RECEIVER

Job ID: 890-2056-1
SDG: 31403665015

Client Sample ID: FS03

Date Collected: 03/08/22 08:54
Date Received: 03/08/22 14:10

Lab Sample ID: 890-2056-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	21365	03/11/22 08:50	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21366	03/11/22 19:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21566	03/14/22 14:52	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21526	03/14/22 11:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	21363	03/11/22 08:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21518	03/14/22 03:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	21596	03/15/22 08:22	CH	XEN MID
Soluble	Analysis	300.0		5			21657	03/16/22 18:07	CH	XEN MID

Client Sample ID: FS04

Date Collected: 03/08/22 08:56
Date Received: 03/08/22 14:10

Lab Sample ID: 890-2056-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	21365	03/11/22 08:50	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21366	03/11/22 19:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21566	03/14/22 14:52	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21526	03/14/22 11:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21363	03/11/22 08:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21518	03/14/22 03:32	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	21596	03/15/22 08:22	CH	XEN MID
Soluble	Analysis	300.0		1			21657	03/16/22 18:16	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: WSP USA Inc. Job ID: 890-2056-1
Project/Site: LIMOUSINE RECEIVER SDG: 31403665015

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: WSP USA Inc.
Project/Site: LIMOUSINE RECEIVER

Job ID: 890-2056-1
SDG: 31403665015

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: WSP USA Inc.
Project/Site: LIMOUSINE RECEIVER

Job ID: 890-2056-1
SDG: 31403665015

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2056-1	SW01	Solid	03/08/22 08:24	03/08/22 14:10	0 - 5
890-2056-2	SW02	Solid	03/08/22 08:27	03/08/22 14:10	0 - 5
890-2056-3	SW03	Solid	03/08/22 08:30	03/08/22 14:10	0 - 5
890-2056-4	SW04	Solid	03/08/22 08:35	03/08/22 14:10	0 - 5
890-2056-5	SW05	Solid	03/08/22 08:42	03/08/22 14:10	0 - 5
890-2056-6	SW06	Solid	03/08/22 08:44	03/08/22 14:10	0 - 5
890-2056-7	SW07	Solid	03/08/22 08:46	03/08/22 14:10	0 - 5
890-2056-8	SW08	Solid	03/08/22 08:48	03/08/22 14:10	0 - 5
890-2056-9	FS01	Solid	03/08/22 08:52	03/08/22 14:10	5
890-2056-10	FS02	Solid	03/08/22 08:52	03/08/22 14:10	5
890-2056-11	FS03	Solid	03/08/22 08:54	03/08/22 14:10	5
890-2056-12	FS04	Solid	03/08/22 08:56	03/08/22 14:10	5

Chain of Custody

Work Order No: _____

XENCO LABORATORIES

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)
www.xenco.com Page 1 of 2

Project Manager:	Travis Casey	Bill to: (if different)	
Company Name:	WSP USA Inc., Permian office	Company Name:	
Address:	3300 North A St. Bldg 1, Unit 222	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	781-702-2329	Email:	travis.casey@wsp.com, kalei.jennings@wsp.com, dan.moir@ws

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: NM
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Limousine Reciever	Turn Around	
Project Number:	31403665015	Routine	X
P.O. Number:		Rush:	
Sampler's Name:	Travis Casey	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):	5.8/5.6	Thermometer ID	TVM-007
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Total Containers:	

ANALYSIS REQUEST

890-2056 Chain of Custody

Work Order Notes

IN:
CC:
AFE:

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 8021)	Chloride (EPA 300.0)	Sample Comments
SW01	S	3/8/2022	8:24	0-5'	1	x	x	x	Composite
SW02	S	3/8/2022	8:27	0-5'	1	x	x	x	Composite
SW03	S	3/8/2022	8:30	0-5'	1	x	x	x	Composite
SW04	S	3/8/2022	8:35	0-5'	1	x	x	x	Composite
SW05	S	3/8/2022	8:42	0-5'	1	x	x	x	Composite
SW06	S	3/8/2022	8:44	0-5'	1	x	x	x	Composite
SW07	S	3/8/2022	8:46	0-5'	1	x	x	x	Composite
SW08	S	3/8/2022	8:48	0-5'	1	x	x	x	Composite
FS01	S	3/8/2022	8:52	5'	1	x	x	x	Composite
FS02	S	3/8/2022	8:52	5'	1	x	x	x	Composite

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		3.8.22 1410	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Chain of Custody

Work Order No: _____

XENCO LABORATORIES

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)
www.xenco.com

Project Manager:	Travis Casey	Bill to: (if different)	
Company Name:	WSP USA Inc., Permian office	Company Name:	
Address:	3300 North A St. Bldg 1, Unit 222	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	781-702-2329 Email:	travis.casey@wsp.com, kalei.jennings@wsp.com, dan.moir@ws	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: NM
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Limousine Reciever	Turn Around	
Project Number:	31403665015	Routine	X
P.O. Number:		Rush:	
Sampler's Name:	Travis Casey	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):		Thermometer ID		
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 8021)	Chloride (EPA 300.0)	Sample Comments
FS03	S	3/8/2022	8:54	5'	1	x	x	x	Composite
FS04	S	3/8/2022	8:56	5'	1	x	x	x	Composite

Work Order Notes

IN:
CC:
AFE:

TAT starts the day recevied by the lab, if received by 4:30pm

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		3.8.22 1410	2		
3			4		
5			6		

Revised Date 051418 Rev 2018.1

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-2056-1
SDG Number: 31403665015

Login Number: 2056
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-2056-1
SDG Number: 31403665015

Login Number: 2056
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 03/10/22 11:27 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

April 18, 2022

Travis Casey

Frontier Field Services LLC
47 Conoco Rd
Maljamar, NM 88264
TEL: (575) 703-7992
FAX

RE: Limousine Receiver NAB1902335282 OrderNo.: 2204483

Dear Travis Casey:

Hall Environmental Analysis Laboratory received 8 sample(s) on 4/12/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2204483**
Date Reported: **4/18/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Frontier Field Services LLC **Client Sample ID:** SW02 @ 0-5'
Project: Limousine Receiver NAB1902335282 **Collection Date:** 4/7/2022 1:58:00 PM
Lab ID: 2204483-001 **Matrix:** MEOH (SOIL) **Received Date:** 4/12/2022 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/12/2022 1:35:38 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/12/2022 1:35:38 PM
Surr: DNOP	97.8	51.1-141		%Rec	1	4/12/2022 1:35:38 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	4/12/2022 9:02:18 AM
Surr: BFB	96.1	37.7-212		%Rec	1	4/12/2022 9:02:18 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.016		mg/Kg	1	4/12/2022 9:02:18 AM
Toluene	ND	0.033		mg/Kg	1	4/12/2022 9:02:18 AM
Ethylbenzene	ND	0.033		mg/Kg	1	4/12/2022 9:02:18 AM
Xylenes, Total	ND	0.066		mg/Kg	1	4/12/2022 9:02:18 AM
Surr: 4-Bromofluorobenzene	96.7	70-130		%Rec	1	4/12/2022 9:02:18 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	4/12/2022 10:46:20 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2204483**
Date Reported: **4/18/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Frontier Field Services LLC **Client Sample ID:** SW03 @ 0-5'
Project: Limousine Receiver NAB1902335282 **Collection Date:** 4/7/2022 2:00:00 PM
Lab ID: 2204483-002 **Matrix:** MEOH (SOIL) **Received Date:** 4/12/2022 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	13	9.8		mg/Kg	1	4/12/2022 1:46:22 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/12/2022 1:46:22 PM
Surr: DNOP	92.3	51.1-141		%Rec	1	4/12/2022 1:46:22 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	4/12/2022 9:25:47 AM
Surr: BFB	96.7	37.7-212		%Rec	1	4/12/2022 9:25:47 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.016		mg/Kg	1	4/12/2022 9:25:47 AM
Toluene	ND	0.032		mg/Kg	1	4/12/2022 9:25:47 AM
Ethylbenzene	ND	0.032		mg/Kg	1	4/12/2022 9:25:47 AM
Xylenes, Total	ND	0.063		mg/Kg	1	4/12/2022 9:25:47 AM
Surr: 4-Bromofluorobenzene	98.0	70-130		%Rec	1	4/12/2022 9:25:47 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	270	60		mg/Kg	20	4/12/2022 10:58:45 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2204483**
Date Reported: **4/18/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Frontier Field Services LLC **Client Sample ID:** SW05 @ 0-5'
Project: Limousine Receiver NAB1902335282 **Collection Date:** 4/7/2022 3:10:00 PM
Lab ID: 2204483-003 **Matrix:** MEOH (SOIL) **Received Date:** 4/12/2022 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/12/2022 1:57:04 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/12/2022 1:57:04 PM
Surr: DNOP	97.9	51.1-141		%Rec	1	4/12/2022 1:57:04 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	3.0		mg/Kg	1	4/12/2022 9:49:11 AM
Surr: BFB	97.5	37.7-212		%Rec	1	4/12/2022 9:49:11 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.015		mg/Kg	1	4/12/2022 9:49:11 AM
Toluene	ND	0.030		mg/Kg	1	4/12/2022 9:49:11 AM
Ethylbenzene	ND	0.030		mg/Kg	1	4/12/2022 9:49:11 AM
Xylenes, Total	ND	0.059		mg/Kg	1	4/12/2022 9:49:11 AM
Surr: 4-Bromofluorobenzene	99.2	70-130		%Rec	1	4/12/2022 9:49:11 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	61		mg/Kg	20	4/12/2022 11:11:09 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2204483**
Date Reported: **4/18/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Frontier Field Services LLC **Client Sample ID:** SW06 @ 0-10'
Project: Limousine Receiver NAB1902335282 **Collection Date:** 4/7/2022 9:30:00 AM
Lab ID: 2204483-004 **Matrix:** MEOH (SOIL) **Received Date:** 4/12/2022 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	42	9.5		mg/Kg	1	4/12/2022 2:07:50 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/12/2022 2:07:50 PM
Surr: DNOP	95.2	51.1-141		%Rec	1	4/12/2022 2:07:50 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	4/12/2022 10:12:38 AM
Surr: BFB	99.3	37.7-212		%Rec	1	4/12/2022 10:12:38 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.019		mg/Kg	1	4/12/2022 10:12:38 AM
Toluene	ND	0.039		mg/Kg	1	4/12/2022 10:12:38 AM
Ethylbenzene	ND	0.039		mg/Kg	1	4/12/2022 10:12:38 AM
Xylenes, Total	ND	0.078		mg/Kg	1	4/12/2022 10:12:38 AM
Surr: 4-Bromofluorobenzene	96.6	70-130		%Rec	1	4/12/2022 10:12:38 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	350	60		mg/Kg	20	4/12/2022 11:23:34 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2204483**
Date Reported: **4/18/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Frontier Field Services LLC **Client Sample ID:** SW07 @ 0-10'
Project: Limousine Receiver NAB1902335282 **Collection Date:** 4/7/2022 9:32:00 AM
Lab ID: 2204483-005 **Matrix:** MEOH (SOIL) **Received Date:** 4/12/2022 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	25	9.5		mg/Kg	1	4/12/2022 2:18:38 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/12/2022 2:18:38 PM
Surr: DNOP	111	51.1-141		%Rec	1	4/12/2022 2:18:38 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	4/12/2022 10:36:03 AM
Surr: BFB	97.5	37.7-212		%Rec	1	4/12/2022 10:36:03 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.016		mg/Kg	1	4/12/2022 10:36:03 AM
Toluene	ND	0.033		mg/Kg	1	4/12/2022 10:36:03 AM
Ethylbenzene	ND	0.033		mg/Kg	1	4/12/2022 10:36:03 AM
Xylenes, Total	ND	0.066		mg/Kg	1	4/12/2022 10:36:03 AM
Surr: 4-Bromofluorobenzene	98.8	70-130		%Rec	1	4/12/2022 10:36:03 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	4/13/2022 12:00:48 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2204483**
Date Reported: **4/18/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Frontier Field Services LLC **Client Sample ID:** SW08 @ 0-10'
Project: Limousine Receiver NAB1902335282 **Collection Date:** 4/7/2022 9:34:00 AM
Lab ID: 2204483-006 **Matrix:** MEOH (SOIL) **Received Date:** 4/12/2022 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	48	9.6		mg/Kg	1	4/12/2022 2:40:27 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/12/2022 2:40:27 PM
Surr: DNOP	97.0	51.1-141		%Rec	1	4/12/2022 2:40:27 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	4/12/2022 10:59:30 AM
Surr: BFB	96.1	37.7-212		%Rec	1	4/12/2022 10:59:30 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.019		mg/Kg	1	4/12/2022 10:59:30 AM
Toluene	ND	0.038		mg/Kg	1	4/12/2022 10:59:30 AM
Ethylbenzene	ND	0.038		mg/Kg	1	4/12/2022 10:59:30 AM
Xylenes, Total	ND	0.076		mg/Kg	1	4/12/2022 10:59:30 AM
Surr: 4-Bromofluorobenzene	97.2	70-130		%Rec	1	4/12/2022 10:59:30 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	360	60		mg/Kg	20	4/13/2022 12:13:12 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2204483**
Date Reported: **4/18/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Frontier Field Services LLC **Client Sample ID:** SW09 @ 0-10'
Project: Limousine Receiver NAB1902335282 **Collection Date:** 4/7/2022 9:36:00 AM
Lab ID: 2204483-007 **Matrix:** MEOH (SOIL) **Received Date:** 4/12/2022 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	19	9.7		mg/Kg	1	4/12/2022 3:02:13 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/12/2022 3:02:13 PM
Surr: DNOP	97.3	51.1-141		%Rec	1	4/12/2022 3:02:13 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	4/12/2022 11:23:09 AM
Surr: BFB	94.8	37.7-212		%Rec	1	4/12/2022 11:23:09 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.019		mg/Kg	1	4/12/2022 11:23:09 AM
Toluene	ND	0.037		mg/Kg	1	4/12/2022 11:23:09 AM
Ethylbenzene	ND	0.037		mg/Kg	1	4/12/2022 11:23:09 AM
Xylenes, Total	ND	0.075		mg/Kg	1	4/12/2022 11:23:09 AM
Surr: 4-Bromofluorobenzene	96.3	70-130		%Rec	1	4/12/2022 11:23:09 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	4/13/2022 12:25:37 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference

Analytical Report
Lab Order **2204483**
Date Reported: **4/18/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Frontier Field Services LLC **Client Sample ID:** SW10 @ 0-10'
Project: Limousine Receiver NAB1902335282 **Collection Date:** 4/7/2022 9:16:00 AM
Lab ID: 2204483-008 **Matrix:** MEOH (SOIL) **Received Date:** 4/12/2022 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/12/2022 3:13:05 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/12/2022 3:13:05 PM
Surr: DNOP	99.1	51.1-141		%Rec	1	4/12/2022 3:13:05 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	4/12/2022 11:46:48 AM
Surr: BFB	94.1	37.7-212		%Rec	1	4/12/2022 11:46:48 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.019		mg/Kg	1	4/12/2022 11:46:48 AM
Toluene	ND	0.037		mg/Kg	1	4/12/2022 11:46:48 AM
Ethylbenzene	ND	0.037		mg/Kg	1	4/12/2022 11:46:48 AM
Xylenes, Total	ND	0.075		mg/Kg	1	4/12/2022 11:46:48 AM
Surr: 4-Bromofluorobenzene	95.1	70-130		%Rec	1	4/12/2022 11:46:48 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	4/13/2022 12:38:01 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2204483**
18-Apr-22

Client: Frontier Field Services LLC
Project: Limousine Receiver NAB1902335282

Sample ID: **MB-66804**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **66804**	RunNo: **87196**							
Prep Date: **4/12/2022**	Analysis Date: **4/12/2022**	SeqNo: **3083163**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2204483**

18-Apr-22

Client: Frontier Field Services LLC

Project: Limousine Receiver NAB1902335282

Sample ID: **2204483-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **SW02 @ 0-5'**	Batch ID: **66785**	RunNo: **87159**
Prep Date: **4/12/2022**	Analysis Date: **4/12/2022**	SeqNo: **3082481** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	9.6	48.03	6.531	86.1	36.1	154			
Surr: DNOP	4.8		4.803		101	51.1	141			

Sample ID: **2204483-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **SW02 @ 0-5'**	Batch ID: **66785**	RunNo: **87159**
Prep Date: **4/12/2022**	Analysis Date: **4/12/2022**	SeqNo: **3082482** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	9.2	45.91	6.531	84.2	36.1	154	5.80	33.9	
Surr: DNOP	4.6		4.591		99.2	51.1	141	0	0	

Sample ID: **LCS-66785**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **66785**	RunNo: **87159**
Prep Date: **4/12/2022**	Analysis Date: **4/12/2022**	SeqNo: **3082490** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	89.2	68.9	135			
Surr: DNOP	4.6		5.000		91.9	51.1	141			

Sample ID: **MB-66785**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **66785**	RunNo: **87159**
Prep Date: **4/12/2022**	Analysis Date: **4/12/2022**	SeqNo: **3082491** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.3		10.00		82.5	51.1	141			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2204483**
18-Apr-22

Client: Frontier Field Services LLC
Project: Limousine Receiver NAB1902335282

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **G87187**	RunNo: **87187**
Prep Date:	Analysis Date: **4/12/2022**	SeqNo: **3082606** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	950		1000		94.8	37.7	212			

Sample ID: **2.5ug gro lcs**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **G87187**	RunNo: **87187**
Prep Date:	Analysis Date: **4/12/2022**	SeqNo: **3082607** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	72.3	137			
Surr: BFB	2100		1000		214	37.7	212			S

Sample ID: **2204483-001ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **SW02 @ 0-5'**	Batch ID: **G87187**	RunNo: **87187**
Prep Date:	Analysis Date: **4/12/2022**	SeqNo: **3082621** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	16	3.3	16.38	0	98.6	70	130			
Surr: BFB	1300		655.3		200	37.7	212			

Sample ID: **2204483-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **SW02 @ 0-5'**	Batch ID: **G87187**	RunNo: **87187**
Prep Date:	Analysis Date: **4/12/2022**	SeqNo: **3082622** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	19	3.3	16.38	0	116	70	130	16.1	20	
Surr: BFB	1400		655.3		220	37.7	212	0	0	S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2204483**
18-Apr-22

Client: Frontier Field Services LLC
Project: Limousine Receiver NAB1902335282

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **B87187**	RunNo: **87187**
Prep Date:	Analysis Date: **4/12/2022**	SeqNo: **3082653** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.94		1.000		94.1	70	130			

Sample ID: **100ng btex lcs**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **B87187**	RunNo: **87187**
Prep Date:	Analysis Date: **4/12/2022**	SeqNo: **3082654** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.025	1.000	0	86.7	80	120			
Toluene	0.91	0.050	1.000	0	91.0	80	120			
Ethylbenzene	0.92	0.050	1.000	0	92.0	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.0	80	120			
Surr: 4-Bromofluorobenzene	0.98		1.000		98.0	70	130			

Sample ID: **2204483-002ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **SW03 @ 0-5'**	Batch ID: **B87187**	RunNo: **87187**
Prep Date:	Analysis Date: **4/12/2022**	SeqNo: **3082668** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.50	0.016	0.6345	0	79.2	68.8	120			
Toluene	0.52	0.032	0.6345	0	82.1	73.6	124			
Ethylbenzene	0.52	0.032	0.6345	0	81.8	72.7	129			
Xylenes, Total	1.6	0.063	1.904	0	82.3	75.7	126			
Surr: 4-Bromofluorobenzene	0.64		0.6345		101	70	130			

Sample ID: **2204483-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **SW03 @ 0-5'**	Batch ID: **B87187**	RunNo: **87187**
Prep Date:	Analysis Date: **4/12/2022**	SeqNo: **3082669** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.63	0.016	0.6345	0	99.8	68.8	120	23.1	20	R
Toluene	0.65	0.032	0.6345	0	103	73.6	124	22.4	20	R
Ethylbenzene	0.66	0.032	0.6345	0	104	72.7	129	23.9	20	R
Xylenes, Total	2.0	0.063	1.904	0	105	75.7	126	24.5	20	R
Surr: 4-Bromofluorobenzene	0.63		0.6345		99.5	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Frontier Field Services LLC Work Order Number: 2204483 RcptNo: 1

Received By: Cheyenne Cason 4/12/2022 7:35:00 AM Chc

Completed By: Cheyenne Cason 4/12/2022 7:48:05 AM Chc

Reviewed By: DAD 4/12/22

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by: Chc 4/12/2022

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.7	Good	Not Present			

Chain-of-Custody Record

Client: Frontier Field Services, LLC

Amber Groves

Mailing Address: 47 Conoco Rd. Maljamar, NM 88264

Phone #: 575-703-7992

email or Fax#: AGroves@durangomidstream.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☐ Standard ☒ Rush 24 hr

Project Name: Limousine Reciever (NAB1902335282)

Project #: 31403665.015

Project Manager: Travis Casey

Sampler: Payton Benner

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 0.9-0.2=0.7

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2204483	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
04/07/22	1:58	S	SW02 @ 0-5'	JAR, 1	N/A	001	■	■					■			
04/07/22	2:00	S	SW03 @ 0-5'	JAR, 1	N/A	002	■	■					■			
04/07/22	3:10	S	SW05 @ 0-5'	JAR, 1	N/A	003	■	■					■			
04/07/22	9:30	S	SW06 @ 0-10'	JAR, 1	N/A	004	■	■					■			
04/07/22	9:32	S	SW07 @0-10'	JAR, 1	N/A	005	■	■					■			
04/07/22	9:34	S	SW08 @ 0-10'	JAR, 1	N/A	006	■	■					■			
04/07/22	9:36	S	SW09 @ 0-10'	JAR, 1	N/A	007	■	■					■			
04/07/22	9:16	S	SW10 @ 0-10'	JAR, 1	N/A	008	■	■					■			

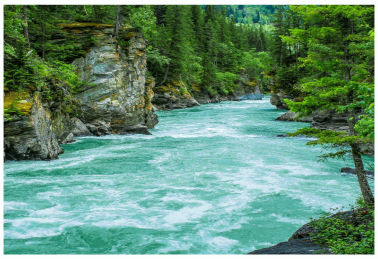
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
4-11-22	1030	pbenner				
4/11/22	1900				4/11/22	1030
4/11/22	1900		Chr courier		4/12/22	0735

Remarks:
Direct bill to Frontier Field Servies
Prop #
Company #
Send confirmation and lab report to travis.casey@wsp.com

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Report to:

Travis Casey



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Frontier Field Services

Project Name:	Limousine Receiver
Work Order:	E204098
Job Number:	21080-0001
Received:	4/20/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/21/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted 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, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 4/21/22

Travis Casey
10077 Grogan Mill Rd Ste 300
The Woodlands, TX 77380

Project Name: Limousine Receiver
Workorder: E204098
Date Received: 4/20/2022 6:30:00AM

Travis Casey,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/20/2022 6:30:00AM, under the Project Name: Limousine Receiver.

The analytical test results summarized in this report with the Project Name: Limousine Receiver apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

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West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Frontier Field Services	Project Name:	Limousine Receiver	**Reported:**
10077 Grogan Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Travis Casey	04/21/22 15:55

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01A @ 8 ft	E204098-01A	Soil	04/18/22	04/20/22	Glass Jar, 4 oz.
FS06A @ 13 ft	E204098-02A	Soil	04/18/22	04/20/22	Glass Jar, 4 oz.
FS07A @ 11 ft	E204098-03A	Soil	04/18/22	04/20/22	Glass Jar, 4 oz.

Sample Data

Frontier Field Services	Project Name:	Limousine Receiver	
10077 Grogan Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Travis Casey	4/21/2022 3:55:01PM

FS01A @ 8 ft

E204098-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2217014
Benzene	ND	0.0250	1	04/20/22	04/20/22	
Ethylbenzene	ND	0.0250	1	04/20/22	04/20/22	
Toluene	ND	0.0250	1	04/20/22	04/20/22	
o-Xylene	ND	0.0250	1	04/20/22	04/20/22	
p,m-Xylene	ND	0.0500	1	04/20/22	04/20/22	
Total Xylenes	ND	0.0250	1	04/20/22	04/20/22	
Surrogate: 4-Bromochlorobenzene-PID		*95.4 %*	*70-130*	*04/20/22*	*04/20/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2217014
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/22	04/20/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*100 %*	*70-130*	*04/20/22*	*04/20/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2217021
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/22	04/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/20/22	04/21/22	
Surrogate: n-Nonane		*87.8 %*	*50-200*	*04/20/22*	*04/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: CS			Batch: 2217018
Chloride	**74.5**	20.0	1	04/20/22	04/20/22	

Sample Data

Frontier Field Services	Project Name:	Limousine Receiver	
10077 Grogan Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Travis Casey	4/21/2022 3:55:01PM

FS06A @ 13 ft

E204098-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2217014
Benzene	ND	0.0250	1	04/20/22	04/20/22	
Ethylbenzene	ND	0.0250	1	04/20/22	04/20/22	
Toluene	ND	0.0250	1	04/20/22	04/20/22	
o-Xylene	ND	0.0250	1	04/20/22	04/20/22	
p,m-Xylene	ND	0.0500	1	04/20/22	04/20/22	
Total Xylenes	ND	0.0250	1	04/20/22	04/20/22	
Surrogate: 4-Bromochlorobenzene-PID		*96.0 %*	*70-130*	*04/20/22*	*04/20/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2217014
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/22	04/20/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.5 %*	*70-130*	*04/20/22*	*04/20/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2217021
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/22	04/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/20/22	04/21/22	
Surrogate: n-Nonane		*89.3 %*	*50-200*	*04/20/22*	*04/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: CS			Batch: 2217018
Chloride	**50.9**	20.0	1	04/20/22	04/20/22	

Sample Data

Frontier Field Services	Project Name:	Limousine Receiver	
10077 Grogan Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Travis Casey	4/21/2022 3:55:01PM

FS07A @ 11 ft

E204098-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2217014
Benzene	ND	0.0250	1	04/20/22	04/20/22	
Ethylbenzene	ND	0.0250	1	04/20/22	04/20/22	
Toluene	ND	0.0250	1	04/20/22	04/20/22	
o-Xylene	ND	0.0250	1	04/20/22	04/20/22	
p,m-Xylene	ND	0.0500	1	04/20/22	04/20/22	
Total Xylenes	ND	0.0250	1	04/20/22	04/20/22	
Surrogate: 4-Bromochlorobenzene-PID		*95.6 %*	*70-130*	*04/20/22*	*04/20/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2217014
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/22	04/20/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.7 %*	*70-130*	*04/20/22*	*04/20/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2217021
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/22	04/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/20/22	04/21/22	
Surrogate: n-Nonane		*82.1 %*	*50-200*	*04/20/22*	*04/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: CS			Batch: 2217018
Chloride	ND	20.0	1	04/20/22	04/20/22	

QC Summary Data

Frontier Field Services	Project Name:	Limousine Receiver	**Reported:**
10077 Grogan Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Travis Casey	4/21/2022 3:55:01PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2217014-BLK1)									Prepared: 04/20/22 Analyzed: 04/20/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.41*		*8.00*		*105*	*70-130*			
LCS (2217014-BS1)									Prepared: 04/20/22 Analyzed: 04/20/22
Benzene	4.59	0.0250	5.00		91.8	70-130			
Ethylbenzene	4.43	0.0250	5.00		88.6	70-130			
Toluene	4.61	0.0250	5.00		92.2	70-130			
o-Xylene	4.63	0.0250	5.00		92.5	70-130			
p,m-Xylene	9.15	0.0500	10.0		91.5	70-130			
Total Xylenes	13.8	0.0250	15.0		91.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.20*		*8.00*		*103*	*70-130*			
LCS Dup (2217014-BSD1)									Prepared: 04/20/22 Analyzed: 04/20/22
Benzene	4.49	0.0250	5.00		89.8	70-130	2.21	20	
Ethylbenzene	4.34	0.0250	5.00		86.7	70-130	2.20	20	
Toluene	4.51	0.0250	5.00		90.2	70-130	2.18	20	
o-Xylene	4.54	0.0250	5.00		90.7	70-130	1.98	20	
p,m-Xylene	8.96	0.0500	10.0		89.6	70-130	2.14	20	
Total Xylenes	13.5	0.0250	15.0		89.9	70-130	2.08	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.86*		*8.00*		*98.3*	*70-130*			

QC Summary Data

Frontier Field Services	Project Name:	Limousine Receiver	**Reported:**
10077 Grogan Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Travis Casey	4/21/2022 3:55:01PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2217014-BLK1)									Prepared: 04/20/22 Analyzed: 04/20/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.12*		*8.00*		*89.0*	*70-130*			
LCS (2217014-BS2)									Prepared: 04/20/22 Analyzed: 04/20/22
Gasoline Range Organics (C6-C10)	48.0	20.0	50.0		96.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.25*		*8.00*		*90.7*	*70-130*			
LCS Dup (2217014-BSD2)									Prepared: 04/20/22 Analyzed: 04/20/22
Gasoline Range Organics (C6-C10)	50.0	20.0	50.0		99.9	70-130	3.92	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.19*		*8.00*		*89.9*	*70-130*			

QC Summary Data

Frontier Field Services	Project Name:	Limousine Receiver	**Reported:**
10077 Grogan Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Travis Casey	4/21/2022 3:55:01PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2217021-BLK1)									Prepared: 04/20/22 Analyzed: 04/20/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*41.5*		*50.0*		*82.9*	*50-200*			
LCS (2217021-BS1)									Prepared: 04/20/22 Analyzed: 04/20/22
Diesel Range Organics (C10-C28)	496	25.0	500		99.2	38-132			
Surrogate: n-Nonane	*44.1*		*50.0*		*88.1*	*50-200*			
Matrix Spike (2217021-MS1)				**Source: E204098-03**					Prepared: 04/20/22 Analyzed: 04/20/22
Diesel Range Organics (C10-C28)	533	25.0	500	ND	107	38-132			
Surrogate: n-Nonane	*47.4*		*50.0*		*94.8*	*50-200*			
Matrix Spike Dup (2217021-MSD1)				**Source: E204098-03**					Prepared: 04/20/22 Analyzed: 04/20/22
Diesel Range Organics (C10-C28)	540	25.0	500	ND	108	38-132	1.27	20	
Surrogate: n-Nonane	*48.8*		*50.0*		*97.7*	*50-200*			

QC Summary Data

Frontier Field Services	Project Name:	Limousine Receiver	**Reported:**
10077 Grogan Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Travis Casey	4/21/2022 3:55:01PM

Anions by EPA 300.0/9056A

Analyst: CS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2217018-BLK1)									Prepared: 04/20/22 Analyzed: 04/20/22
Chloride	ND	20.0							
LCS (2217018-BS1)									Prepared: 04/20/22 Analyzed: 04/20/22
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2217018-MS1)				**Source: E204098-01**					Prepared: 04/20/22 Analyzed: 04/20/22
Chloride	340	20.0	250	74.5	106	80-120			
Matrix Spike Dup (2217018-MSD1)				**Source: E204098-01**					Prepared: 04/20/22 Analyzed: 04/20/22
Chloride	324	20.0	250	74.5	99.9	80-120	4.62	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.

Definitions and Notes

Frontier Field Services	Project Name:	Limousine Receiver	
10077 Grogan Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Travis Casey	04/21/22 15:55

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 1

Client: Frontier Field Services	Bill To
Project: Limousine Receiver	Attention: Frontier Field Services
Project Manager: Travis Casey	Address: 10077 Gorgan's Mills Rd Suite 300
Address: 508 West Stevens Street.	City, State, Zip The Woodlands, Tx 77380
City, State, Zip Carlsbad ,NM 88220	Phone: 575-703-7992
Phone: 575-689-5949	Email: AGroves@durangomidstream.com
Email: Travis.casey@wsp.com	
Report due by: 3 Day, 4/22/22	

Lab Use Only: Lab WO# E204098 | Job Number 21080-0001

TAT: 1D | 2D | 3D X | Standard

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

Analysis and Method: TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC NM	Remarks
8:48	4/18/22	S	1	FS01A @ 8 ft	1	X	Composite
9:34	4/18/22	S	1	FS06A @ 13 ft	2	X	Composite
10:10	4/18/22	S	1	FS07A @ 11 ft	3	X	Composite

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:

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.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
pbenner	4/18/22	13:39	[signature]	4/18/22	13:39
[signature]	4/19/22	14:30	Caitlin Christian	4/20/22	10:30

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.

envirotech

Envirotech Analytical Laboratory

Printed: 4/20/2022 9:28:00AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Frontier Field Services	Date Received:	04/20/22 06:30	Work Order ID:	E204098
Phone:	(575) 676-3500	Date Logged In:	04/19/22 15:50	Logged In By:	Caitlin Christian
Email:	travis.casey@wsp.com	Due Date:	04/21/22 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courrier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Client Instruction

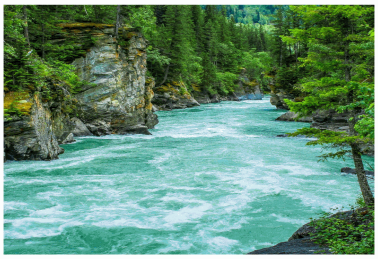
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Travis Casey



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Frontier Field Services

Project Name:	Limousine Receiver
Work Order:	E205040
Job Number:	21080-0001
Received:	5/10/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/12/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted 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, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 5/12/22

Travis Casey
10077 Grogan Mill Rd Ste 300
The Woodlands, TX 77380

Project Name: Limousine Receiver
Workorder: E205040
Date Received: 5/10/2022 10:30:00AM

Travis Casey,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/10/2022 10:30:00AM, under the Project Name: Limousine Receiver.

The analytical test results summarized in this report with the Project Name: Limousine Receiver apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Alexa Michaels
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Office: 505-632-1881
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Technical Representative/Client Services
Office: 505-421-LABS(5227)
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ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Frontier Field Services	Project Name:	Limousine Receiver	**Reported:**
10077 Grogan Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Travis Casey	05/12/22 08:32

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS03A @ 5.6 FT	E205040-01A	Soil	05/06/22	05/10/22	Glass Jar, 4 oz.

Sample Data

Frontier Field Services	Project Name:	Limousine Receiver	
10077 Grogan Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Travis Casey	5/12/2022 8:32:11AM

FS03A @ 5.6 FT

E205040-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2220014
Benzene	ND	0.0250	1	05/10/22	05/10/22	
Ethylbenzene	ND	0.0250	1	05/10/22	05/10/22	
Toluene	ND	0.0250	1	05/10/22	05/10/22	
o-Xylene	ND	0.0250	1	05/10/22	05/10/22	
p,m-Xylene	ND	0.0500	1	05/10/22	05/10/22	
Total Xylenes	ND	0.0250	1	05/10/22	05/10/22	
Surrogate: 4-Bromochlorobenzene-PID		*90.3 %*	*70-130*	*05/10/22*	*05/10/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2220014
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/22	05/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*05/10/22*	*05/10/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2220015
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/22	05/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/22	05/10/22	
Surrogate: n-Nonane		*105 %*	*50-200*	*05/10/22*	*05/10/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2220018
Chloride	**131**	40.0	2	05/10/22	05/10/22	

QC Summary Data

Frontier Field Services	Project Name:	Limousine Receiver	**Reported:**
10077 Grogan Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Travis Casey	5/12/2022 8:32:11AM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2220014-BLK1)									Prepared: 05/10/22 Analyzed: 05/10/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.00*		*8.00*		*100*	*70-130*			
LCS (2220014-BS1)									Prepared: 05/10/22 Analyzed: 05/10/22
Benzene	4.80	0.0250	5.00		96.1	70-130			
Ethylbenzene	4.50	0.0250	5.00		90.0	70-130			
Toluene	4.71	0.0250	5.00		94.3	70-130			
o-Xylene	4.67	0.0250	5.00		93.4	70-130			
p,m-Xylene	9.27	0.0500	10.0		92.7	70-130			
Total Xylenes	13.9	0.0250	15.0		93.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.04*		*8.00*		*101*	*70-130*			
LCS Dup (2220014-BSD1)									Prepared: 05/10/22 Analyzed: 05/10/22
Benzene	4.99	0.0250	5.00		99.8	70-130	3.80	20	
Ethylbenzene	4.69	0.0250	5.00		93.8	70-130	4.15	20	
Toluene	4.90	0.0250	5.00		98.0	70-130	3.90	20	
o-Xylene	4.87	0.0250	5.00		97.3	70-130	4.08	20	
p,m-Xylene	9.67	0.0500	10.0		96.7	70-130	4.20	20	
Total Xylenes	14.5	0.0250	15.0		96.9	70-130	4.16	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.84*		*8.00*		*98.0*	*70-130*			

QC Summary Data

Frontier Field Services	Project Name:	Limousine Receiver	**Reported:**
10077 Grogan Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Travis Casey	5/12/2022 8:32:11AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2220014-BLK1)									Prepared: 05/10/22 Analyzed: 05/10/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.27*		*8.00*		*90.8*	*70-130*			
LCS (2220014-BS2)									Prepared: 05/10/22 Analyzed: 05/10/22
Gasoline Range Organics (C6-C10)	48.9	20.0	50.0		97.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.46*		*8.00*		*93.2*	*70-130*			
LCS Dup (2220014-BSD2)									Prepared: 05/10/22 Analyzed: 05/10/22
Gasoline Range Organics (C6-C10)	53.5	20.0	50.0		107	70-130	9.06	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.35*		*8.00*		*91.9*	*70-130*			

QC Summary Data

Frontier Field Services	Project Name:	Limousine Receiver	**Reported:**
10077 Grogan Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Travis Casey	5/12/2022 8:32:11AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2220015-BLK1)									Prepared: 05/10/22 Analyzed: 05/10/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.1*		*50.0*		*96.3*	*50-200*			
LCS (2220015-BS1)									Prepared: 05/10/22 Analyzed: 05/10/22
Diesel Range Organics (C10-C28)	494	25.0	500		98.7	38-132			
Surrogate: n-Nonane	*47.4*		*50.0*		*94.9*	*50-200*			
Matrix Spike (2220015-MS1)				**Source: E205039-10**					Prepared: 05/10/22 Analyzed: 05/10/22
Diesel Range Organics (C10-C28)	494	25.0	500	ND	98.7	38-132			
Surrogate: n-Nonane	*48.6*		*50.0*		*97.1*	*50-200*			
Matrix Spike Dup (2220015-MSD1)				**Source: E205039-10**					Prepared: 05/10/22 Analyzed: 05/10/22
Diesel Range Organics (C10-C28)	472	25.0	500	ND	94.5	38-132	4.38	20	
Surrogate: n-Nonane	*51.4*		*50.0*		*103*	*50-200*			

QC Summary Data

Frontier Field Services	Project Name:	Limousine Receiver	**Reported:**
10077 Grogan Mill Rd Ste 300	Project Number:	21080-0001	
The Woodlands TX, 77380	Project Manager:	Travis Casey	5/12/2022 8:32:11AM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2220018-BLK1)									Prepared: 05/10/22 Analyzed: 05/10/22
Chloride	ND	20.0							
LCS (2220018-BS1)									Prepared: 05/10/22 Analyzed: 05/10/22
Chloride	246	20.0	250		98.3	90-110			
Matrix Spike (2220018-MS1)				**Source: E205039-01**					Prepared: 05/10/22 Analyzed: 05/11/22
Chloride	635	200	250	369	106	80-120			
Matrix Spike Dup (2220018-MSD1)				**Source: E205039-01**					Prepared: 05/10/22 Analyzed: 05/10/22
Chloride	631	200	250	369	105	80-120	0.727	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.

Definitions and Notes

Frontier Field Services	Project Name:	Limousine Receiver	
10077 Grogan Mill Rd Ste 300	Project Number:	21080-0001	**Reported:**
The Woodlands TX, 77380	Project Manager:	Travis Casey	05/12/22 08:32

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 1

Client: Frontier Field Services	**Bill To**	Lab Use Only	TAT / EPA Program
Project: Limousine Receiver	Attention: Frontier Field Services	Lab WO# E205040	Job Number 21080-0001
Project Manager: Travis Casey	Address: 10077 Gorgan's Mills Rd Suite 300		1D 2D 3D Standard: X
Address: 508 West Stevens Street.	City, State, Zip The Woodlands, Tx 77380		CWA SDWA RCRA
City, State, Zip Carlsbad ,NM 88220	Phone: 575-703-7992		
Phone: 575-689-5949	Email: AGroves@durangomidstream.com		
Email: Travis.casey@wsp.com			
Report due by: 09/12/22			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	State: NM	CO	UT	AZ	TX	Remarks
9:15	5/6/22	S	1	FS03A @ 5.6 FT	1						X		X					Discrete

Analysis and Method

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:

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.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	05-09-22	10:05		5.9.22	1005
	5.9.22	1610		5/10/22	1030

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.

envirotech

Envirotech Analytical Laboratory

Printed: 5/10/2022 1:28:28PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Frontier Field Services	Date Received:	05/10/22 10:30	Work Order ID:	E205040
Phone:	(575) 676-3500	Date Logged In:	05/09/22 16:36	Logged In By:	Caitlin Christian
Email:	travis.casey@wsp.com	Due Date:	05/12/22 17:00 (2 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: UPS
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

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

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

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 109034
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Closure report approved. Release Resolved. The report failed to provide applicable 19.15.29 NMAC requirements. A follow up email will be submitted to the responsible party which will include the deficiencies, reasoning for the approval, and a pronouncement of OCD stance for any future reportable incidents. This email will then be recorded and inserted within the incident file associated with this release.	7/22/2022