



January 14, 2025

New Mexico Oil Conservation Division
506 W. Texas Ave
Artesia, NM 88210

RE: **Chicken Noodle Fed Com CTB - Closure Request Report**
Incident Number: nAPP2423129926
GPS: 32.05849°, -104.37006°
Eddy County, New Mexico
ESRR Project No. 2402

To Whom It May Concern:

Earth Systems Response & Restoration (ESRR), on behalf of Civitas Resources (Civitas), presents the following Closure Request Report (CRR) detailing excavation activities and subsequent soil sampling events associated with an inadvertent release of produced water at the Chicken Noodle Fed Com CTB (Site). Based on completed remedial actions and laboratory analytical results from recent soil sampling events, Civitas is requesting No Further Action (NFA) at the Site.

Site Location & Incident Description

The Site is located in Unit F, Section 11, Township 26 South, Range 25 East, in Eddy County, New Mexico (32.05849°, -104.37006°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM) (**Figure 1**).

On August 18, 2024, corrosion of an aboveground production flowline resulted in a leak, causing the release of approximately 294 barrels (bbl) of produced water onto a Civitas production pad surface. A vacuum truck was immediately dispatched to the Site and recovered 170 bbls of fluids. ESRR conducted initial site assessment activities and mapped the observed release footprint on August 19, 2024, hereafter referred to as the Area of Concern (AOC) (**Figure 2**). Civitas gave notice to the New Mexico Oil Conservation Division (NMOCD) on August 18, 2024, by Notification of Release (NOR) and was subsequently assigned Incident Number nAPP2423129926. Civitas submitted A Corrective Action Form C-141 (Form C-141) on August 28, 2024.

To allow additional time for remediation and for ESRR to finalize this CRR, Civitas requested an extension of the November 18, 2024, deadline, received and approved by the NMOCD on November 14, 2024, for an updated due date of February 12, 2025.

Site Characterization

ESRR characterized the Site according to Table I, 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). The following proximities were estimated:

- o Between 1 and 5 miles of any continuously flowing watercourse or any other significant watercourse;

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- o Greater than 5 miles of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- o Greater than 5 miles of any occupied permanent residence, school, hospital, institution or church;
- o Between 500 and 1,000 feet of any spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- o Between 1 and 5 miles of any other freshwater well or spring;
- o Greater than 5 miles of any incorporated municipal boundary or a defined municipal fresh water well field covered under a municipal ordinance;
- o Between ½ and 1 mile of any wetland;
- o Greater than 5 miles of any subsurface mine;
- o Between 1 and 100 feet of any unstable area (i.e. high karst potential); and
- o Between ½ and 1 mile of a 100-year floodplain.

Receptor details used to determine the Site characterization are included in **Figure 1A** and **Figure 1B**. **Referenced Well Records** for the closest depth to water wells are attached.

Based on the results from the desktop review, the depth to water is estimated to be less than 50 feet below ground surface (bgs) and the Site is designated with high karst potential, the following Closure Criteria was applied:

Constituents of Concern (COCs)	Closure Criteria [‡]
Chloride	600 milligram per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	100 mg/kg
Benzene	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	50 mg/kg

[‡]The reclamation concentration requirements of 600 mg/kg Chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.

TPH= Gasoline Range Organics + Diesel Range Organics + Oil Range Organics

Laboratory Analytical Methods used: Environmental Protection Agency (EPA) 300.0, EPA 8015 NM, EPA 8021 B

Delineation Activities

On August 19, 2024, ESRR conducted delineation activities to assess the presence or absence of residual soil impacts associated with the AOC. Thirteen delineation boreholes (HA-1 through HA-9, P-1 through P-4) were advanced via hand auger within and surrounding the AOC. Delineation soil samples were placed directly into pre-cleaned jars, packed with minimal void space, labeled, and placed on ice. The delineation soil samples were transported under strict chain-of-custody procedures, to Eurofins in Carlsbad, New Mexico, for analysis of the COCs.

Laboratory analytical results for soil samples (P-2, P-3, HA-2) were compliant with Site Closure Criteria and/or the reclamation standard helping define the horizontal periphery of the AOC.

Laboratory analytical results for samples (HA-1, HA-3 through HA-9, P-1, P-2) indicated Chloride concentrations were above the Site Closure Criteria and/or the reclamation standard up to 2 feet bgs. Elevated Chloride concentrations were characterized by concentrations ranging from 984 mg/kg to 10,800 mg/kg. Laboratory results are summarized in **Table 1**, included in the attachments. The locations of all delineation soil samples are shown in **Figure 2**.

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Remediation Activities

During the months of October and November 2024, ESRR completed excavation activities of identified impacts performed via mechanical equipment and hand digging based on laboratory analytical results associated with delineation soil sampling activities, and visual observation. The excavation was vertically advanced to depths ranging from approximately 1-foot to 2-feet bgs.

Following the removal of soil, ESRR collected 5-point composite soil samples at a sampling frequency of 200 square feet from the excavation floor (CS-1 through CS-88) and sidewalls (SW-1 through SW-11). The 5-point composite soil samples were comprised of five equivalent aliquots homogenized in a 1-gallon resealable plastic bag. The confirmation soil samples were handled, transported, and analyzed as previously described.

Laboratory analytical results for confirmation soil samples (CS-16, CS-17, CS-73) indicated TPH or Chloride concentrations were above the Site Closure Criteria and/or the reclamation standard. Elevated Chloride concentrations for confirmation soil samples (CS-16 and CS-17) were characterized by concentrations ranging from 604 mg/kg to 668 mg/kg at 1-foot bgs. Elevated TPH concentration for confirmation soil sample (CS-73) is characterized by a concentration of 108 mg/kg, specifically for TPH-DRO, at 2-foot bgs.

Additional excavation in the proximities to confirmation soil samples (CS-16, CS-17, CS-73) were vertically advanced to depths ranging from 1.25-feet and 2.25-feet bgs. Following the removal of soil, ESRR collected, handled, transported, and analyzed the final confirmation soil samples as previously described.

Laboratory analytical results indicated that concentrations of COCs for all final confirmation soil samples (CS-1 through CS-88, SW-1 through SW-11) were below the applicable Site Closure Criteria and/or reclamation standard. Laboratory results are summarized in **Table 1**, included in the attachments. The locations of all final confirmation soil samples are shown in **Figure 3**.

Approximately 1,500 cubic yards (CY) of impacted soil was removed from the Site and transported to R360 Red Bluff in Orla, Texas under Civitas approved manifests. Upon receipt of the final confirmation soil samples results, the excavation was backfilled with clean, locally sourced soil and the Site was restored to "as close to its original state" as possible. The final soil cover was contoured to match the Site's pre-existing grade to prevent ponding of water and erosion. **Photographic Documentation** of all activities is attached.

Closure Request

Based on laboratory analytical results for all final confirmation soil samples, Civitas believes that residual soil impacts associated with the inadvertent release have been excavated and removed from the Site in accordance with Site Closure Criteria. Civitas believes the completed remedial actions meet the requirements set forth in NMAC 19.15.29.13 regulations in order to be protective of human health, the environment, and groundwater. As such, NFA appears warranted at this time, and Civitas respectfully requests Closure of this CRR associated with Incident Number nAPP2423129926.

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If you have any questions or comments, please do not hesitate to contact Gilbert Moreno at (832) 541-7719 or gmoreno@earthsys.net. **Documentation and correspondence** notifications and Executed chain-of-custody forms and laboratory analytical reports are attached.

Sincerely,

EARTH SYSTEMS RESPONSE & RESTORATION

A handwritten signature in black ink, appearing to read "Gilbert Moreno".

Gilbert Moreno
Carlsbad Operations Manager-Project Geologist

cc: Luke Kelly, Civitas Resources
Bureau of Land Management

Attachments:

- Figure 1 - Site Map
- Figure 1A - Ground Water
- Figure 1B - Karst Potential
- Figure 2 - Delineation Soil Sample Locations
- Figure 3 - Excavation Soil Sample Locations
- Referenced Well Records
- Photographic Documentation
- Table 1 - Soil Sample Analytical Results
- NMOCD Email Documentation & Correspondance
- Executed Chain-of-Custody Forms and Laboratory Analytical Reports

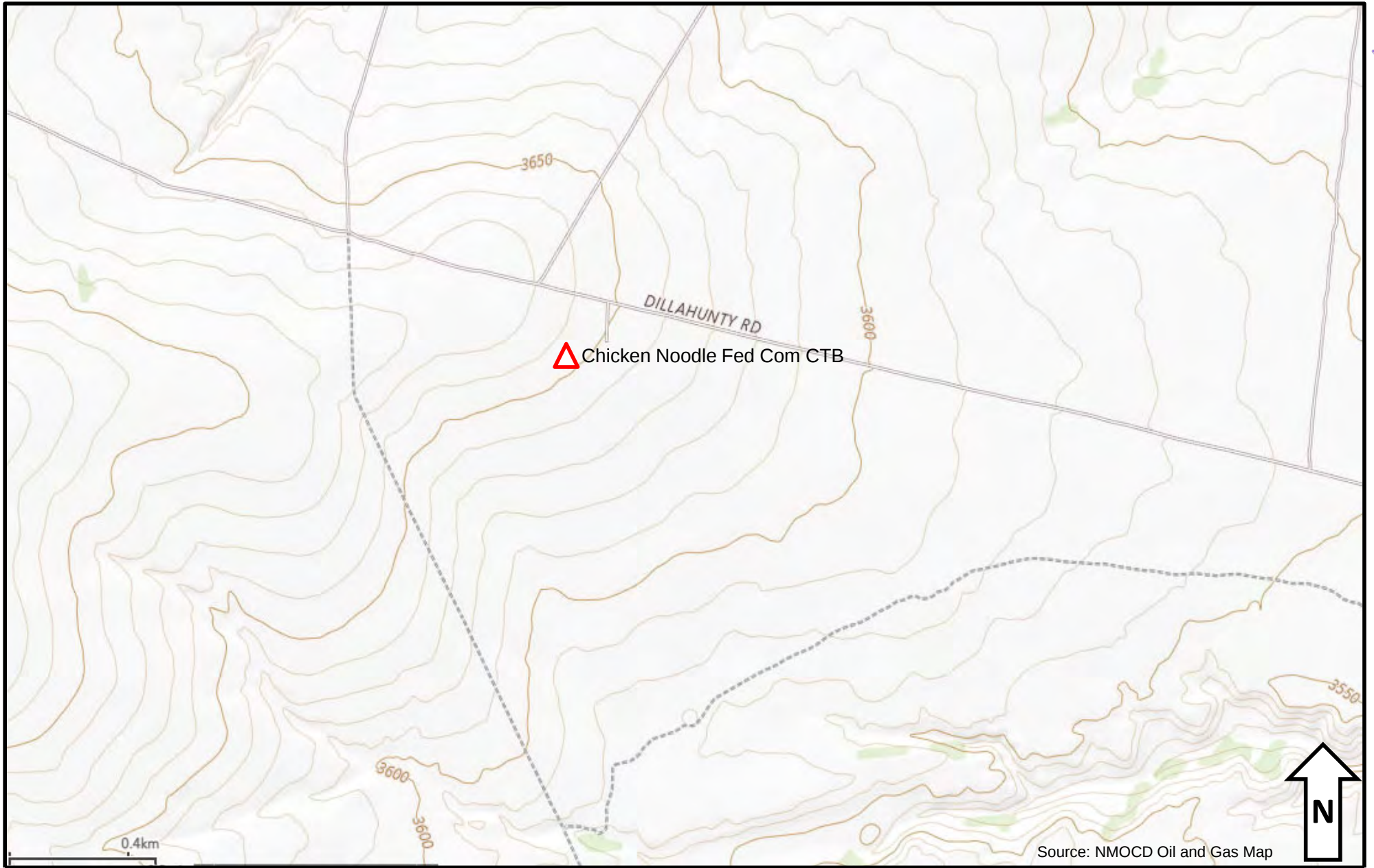


Figure 1 – Site Map

Civitas Resources – Chicken Noodle Fed Com CTB
 GPS: 32.05849°, -104.37006°
 Eddy County, New Mexico



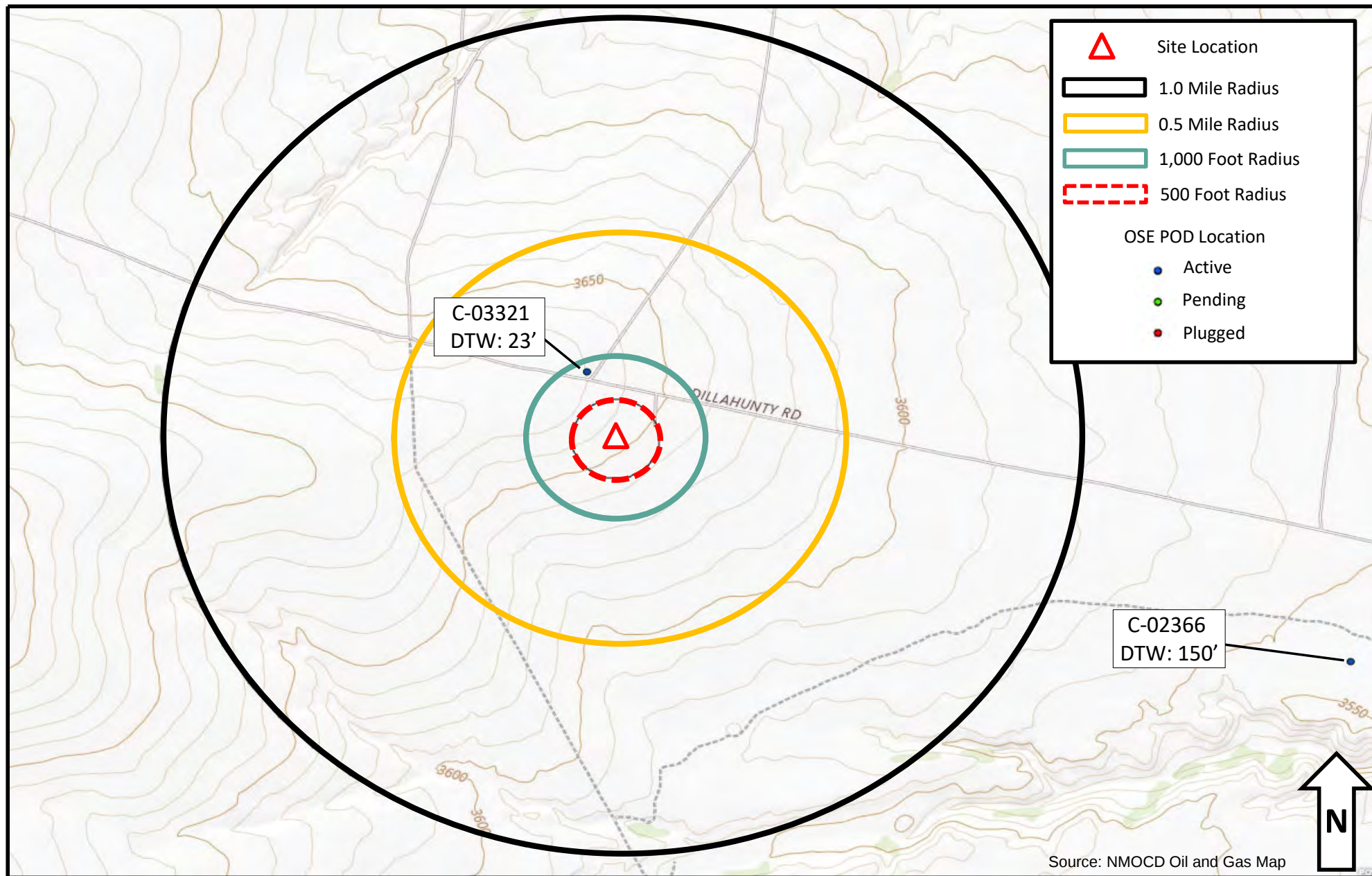


Figure 1A – Ground Water

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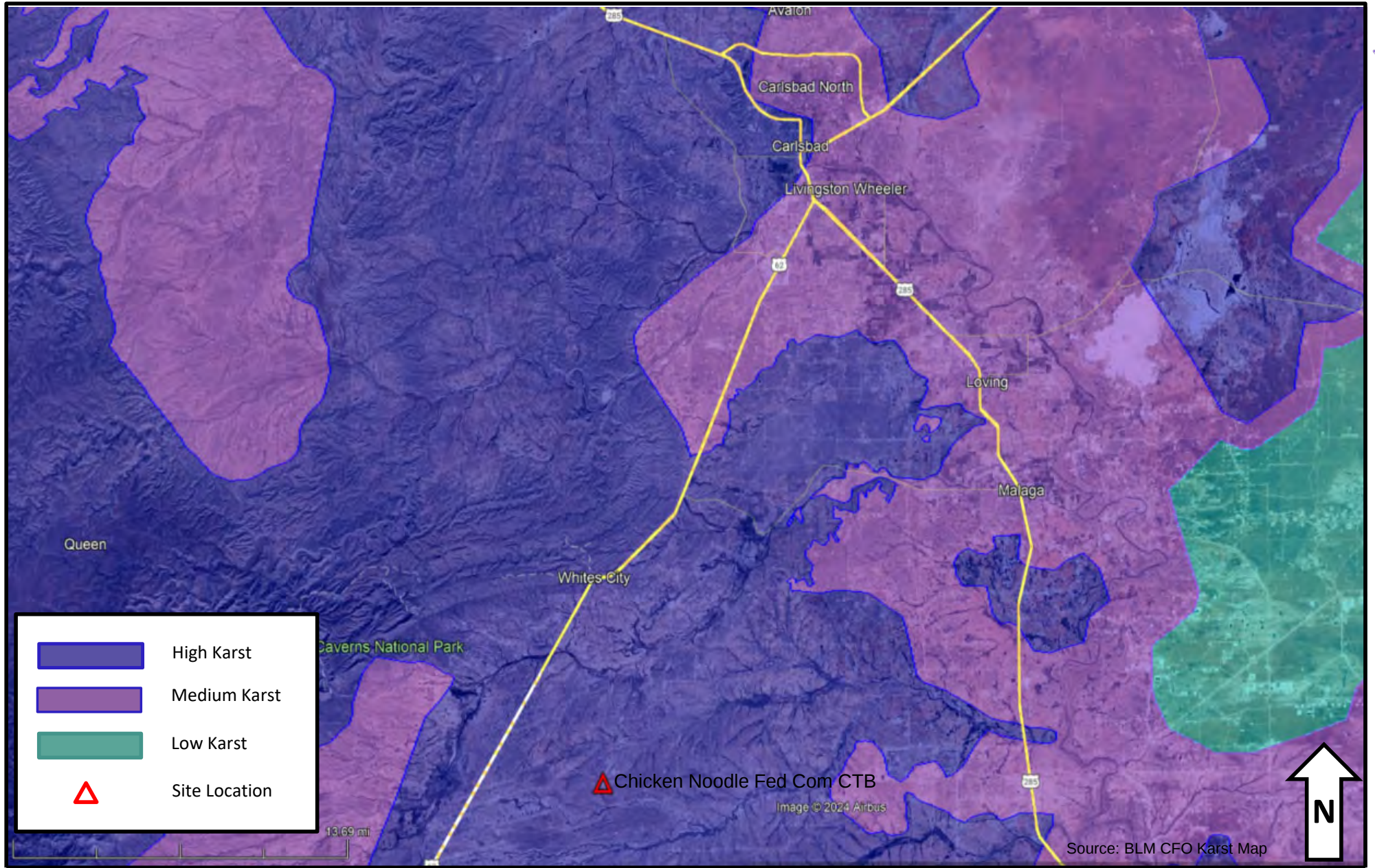


Figure 1B – Karst Potential

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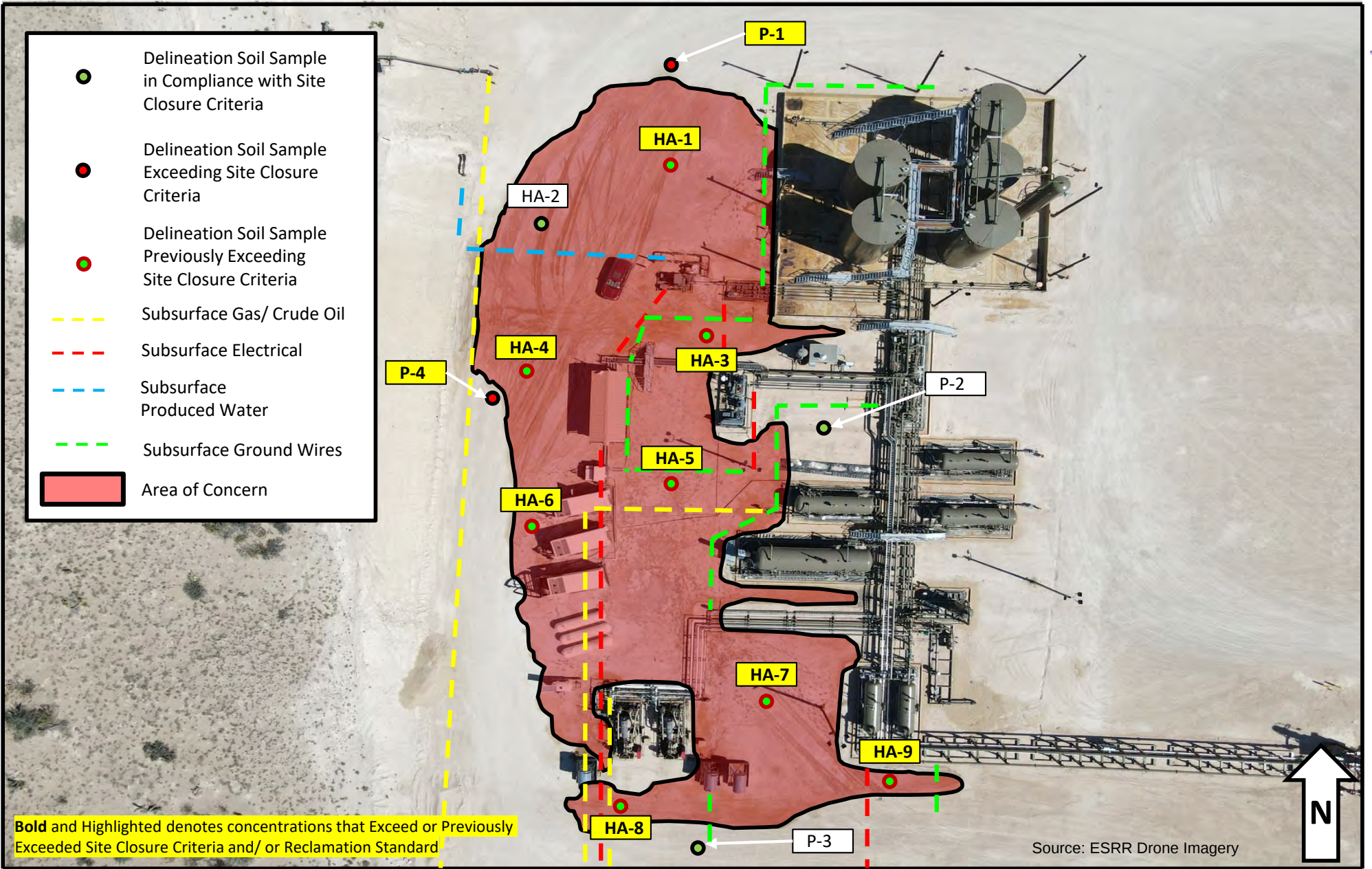


Figure 2 – Delineation Soil Sample Locations

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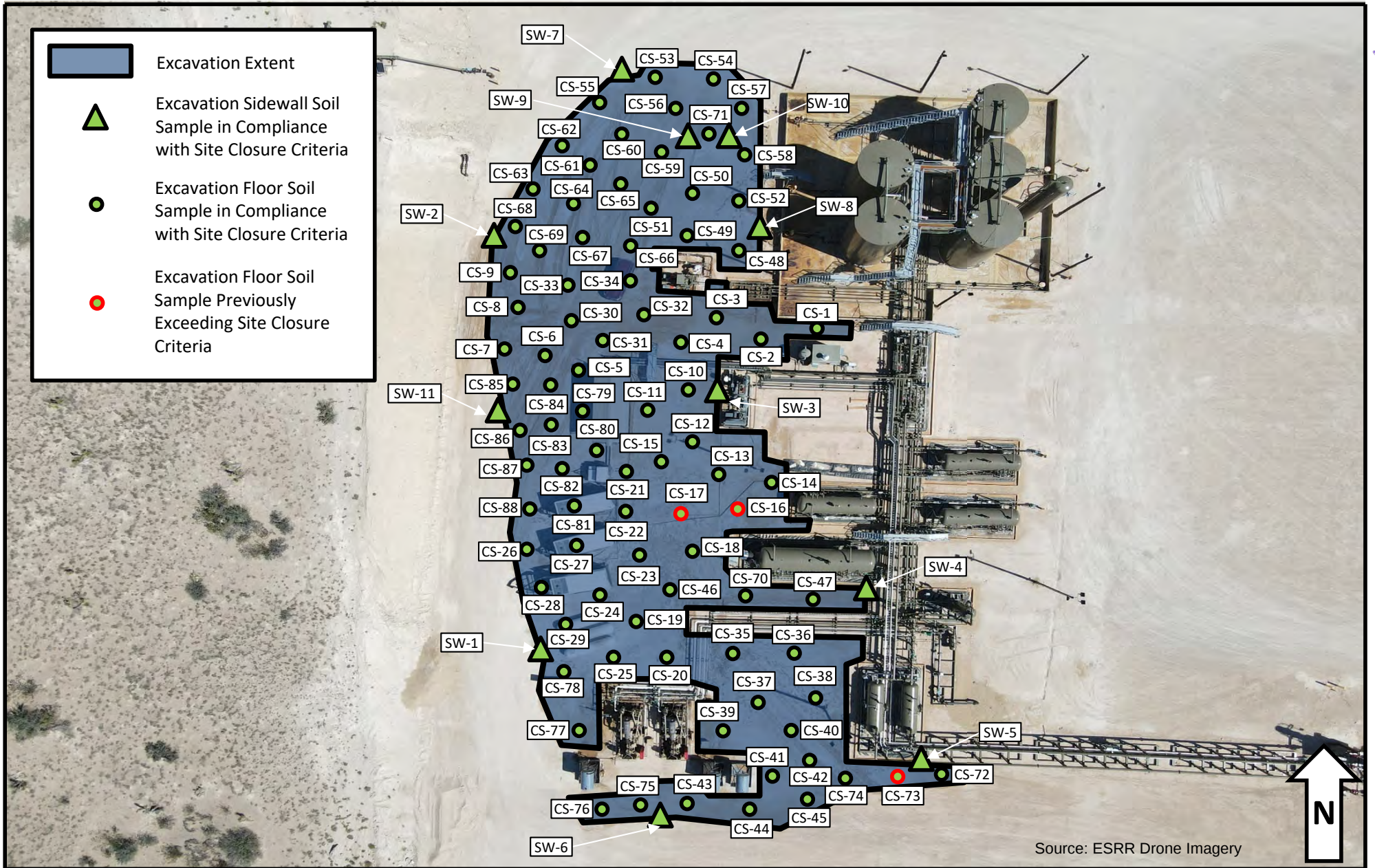


Figure 3 – Excavation Soil Sample Locations

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 Eddy County, New Mexico

A

Revised June 1972

STATE ENGINEER OFFICE
WELL RECORD

Pod 2
468986

Section 1. GENERAL INFORMATION

(A) Owner of well Gary Lovelady Owner's Well No. _____
Street or Post Office Address 550 Beback Inn Rd.
City and State San Marcos, TX 78666

Well was drilled under Permit No. 3321 and is located in the: N32Deg04.680'
W104Deg22.498'
a. SE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 3 Township 26S Range 25E N.M.P.M.
b. Tract No. _____ of Map No. _____ of the _____
c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.
d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in
the _____ Grant.

(B) Drilling Contractor Taylor Water Well Service License No. WD-1348
Address 7317 Etcheverry Rd., Carlsbad, NM 88220
Drilling Began 2-6-07 Completed 2-8-07 Type tools Rotary Size of hole 6 7/8 1 1/4 in.
Elevation of land surface or _____ at well is 3480 ft. Total depth of well 150 ft.
Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 23 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
60	150	110	Anhydrite:No obvious zones	1/2-3/4

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
5	Sch 40	PVC	+1.5	150	151.5	Cap	110	150

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			
4			

Date Received 4.30.07 FOR USE OF STATE ENGINEER ONLY
Quad _____ FWL _____ FSL _____
File No. C-3321 Use Stock Location No. 26S.25E.3. 114

T- ✓

Section 7. REMARKS AND ADDITIONAL INFORMATION

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PHOTO 1: Northeastern view during initial site assessment and delineation activities. 08/19/2024



PHOTO 2: Northeastern view during initial site assessment and delineation activities. 08/19/2024

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PHOTO 3: Northeastern view during initial site assessment and delineation activities. 08/19/2024



PHOTO 4: Northwestern view during excavation activities. 10/02/2024

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PHOTO 5: Southeastern view during excavation activities. 10/02/2024



PHOTO 6: Southeastern view during excavation activities. 10/03/2024

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PHOTO 7: Southeastern view of excavation extent. 10/03/2024



PHOTO 8: Northwestern view during excavation activities. 10/04/2024

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PHOTO 9: Northeastern view during restoration activities. 10/08/2024



PHOTO 10: Northwestern view during restoration activities. 10/08/2024

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Date & Time: Tue, Oct 08, 2024 at 15:18:51 MDT
Position: +032.059323° / -104.370625° (±15.6ft)
Altitude: 3668ft (±11.0ft)
Datum: WGS-84
Azimuth/Bearing: 036° N36E 0640mils True (±15°)
Elevation Angle: -04.3°
Horizon Angle: -00.2°
Zoom: 0.5X
chicken noodle



PHOTO 11: Northeastern view during restoration activities. 10/08/2024

Date & Time: Fri, Oct 11, 2024 at 07:53:03 MDT
Position: +032.059729° / -104.370244° (±15.1ft)
Altitude: 3661ft (±11.6ft)
Datum: WGS-84
Azimuth/Bearing: 218° S38W 3876mils True (±11°)
Elevation Angle: -16.4°
Horizon Angle: +01.4°
Zoom: 0.5X
chicken noodle backfill



PHOTO 12: Southwestern view during restoration activities. 10/11/2024

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PHOTO 13: Northeastern view during restoration activities. 10/11/2024



PHOTO 14: Southwestern view during restoration activities. 10/11/2024

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PHOTO 15: Northwestern view during continued excavation activities. 11/18/2024



PHOTO 16: Northwestern view during continued excavation activities. 11/18/2024

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PHOTO 17: Northeastern view during continued restoration activities. 11/22/2024



PHOTO 18: Southeastern view during restoration activities. 11/22/2024



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
 Chicken Noodle Fed Com CTB
 Eddy County, New Mexico



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
Delineation Soil Samples - nAPP2423129926									
HA-1	08/19/24	0-0.5	<0.00200	<0.00399	<50.2	<50.2	<50.2	<50.2	9.62
HA-1	08/19/24	0.5-1	-	-	-	-	-	-	74.7
HA-1	08/19/24	1.5-2	-	-	-	-	-	-	1,350
HA-1	08/19/24	2.5-3	-	-	-	-	-	-	22.7
HA-2	08/19/24	0-0.5	<0.00199	<0.00398	<50.4	<50.4	<50.4	<50.4	80.2
HA-2	08/19/24	0.5-1	-	-	-	-	-	-	35.0
HA-2	08/19/24	1.5-2	-	-	-	-	-	-	60.1
HA-3	08/19/24	0-0.5	<0.00201	<0.00402	<50.5	<50.5	<50.5	<50.5	1,310
HA-3	08/19/24	0.5-1	-	-	-	-	-	-	130
HA-3	08/19/24	1.5-2	-	-	-	-	-	-	31.0
HA-4	08/19/24	0-0.5	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	1,160
HA-4	08/19/24	0.5-1	-	-	-	-	-	-	47.9
HA-4	08/19/24	1.5-2	-	-	-	-	-	-	66.7
HA-5	08/19/24	0-0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	1,900
HA-5	08/19/24	0.5-1	-	-	-	-	-	-	120
HA-5	08/19/24	1.5-2	-	-	-	-	-	-	51.9
HA-6	08/19/24	0-0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	1,280
HA-6	08/19/24	0.5-1	-	-	-	-	-	-	250
HA-6	08/19/24	1.5-2	-	-	-	-	-	-	277
HA-6	08/19/24	2.5-3	-	-	-	-	-	-	50.5
HA-7	08/19/24	0-0.5	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	7,200
HA-7	08/19/24	0.5-1	-	-	-	-	-	-	401
HA-7	08/19/24	1.5-2	-	-	-	-	-	-	137



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Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
Delineation Soil Samples - nAPP2423129926									
HA-8	08/19/24	0-0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	10,800
HA-8	08/19/24	0.5-1	-	-	-	-	-	-	2,490
HA-8	08/19/24	1.5-2	-	-	-	-	-	-	320
HA-9	08/19/24	0-0.5	<0.00200	<0.00401	<50.2	<50.2	<50.2	<50.2	8,970
HA-9	08/19/24	0.5-1	-	-	-	-	-	-	2,390
HA-9	08/19/24	1.5-2	-	-	-	-	-	-	356
P-1	08/19/24	0-0.5	<0.00199	<0.00398	<50.4	<50.4	<50.4	<50.4	1,080
P-2	08/19/24	0-0.5	<0.00198	<0.00396	<50.5	<50.5	<50.5	<50.5	55.2
P-3	08/19/24	0-0.5	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	375
P-4	08/19/24	0-0.5	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	984
Confirmation Soil Samples - nAPP2423129926									
CS - 1	10/02/24	1	<0.00401	<0.00401	<49.8	<49.8	<49.8	<49.8	214
CS - 2	10/02/24	1	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	107
CS - 3	10/02/24	1	<0.00398	<0.00398	<49.7	<49.7	<49.7	<49.7	284
CS - 4	10/02/24	1	<0.00399	<0.00399	<49.8	<49.8	<49.8	<49.8	252
CS - 5	10/02/24	1	<0.00400	<0.00400	<49.8	<49.8	<49.8	<49.8	382
CS - 6	10/02/24	1	<0.00401	<0.00401	<49.9	<49.9	<49.9	<49.9	208
CS - 7	10/02/24	1	<0.00399	<0.00399	<50.3	<50.3	<50.3	<50.3	89.6
CS - 8	10/02/24	1	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	94.3
CS - 9	10/02/24	1	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	117
CS - 10	10/02/24	1	<0.00399	<0.00399	<49.8	<49.8	<49.8	<49.8	53.1
CS - 11	10/02/24	1	<0.00401	<0.00401	<49.7	<49.7	<49.7	<49.7	49.4
CS - 12	10/02/24	1	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	317
CS - 13	10/02/24	1	<0.00401	<0.00401	<50.1	<50.1	<50.1	<50.1	294
CS - 14	10/02/24	1	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8	402
CS - 15	10/02/24	1	<0.00398	<0.00398	<49.7	<49.7	<49.7	<49.7	392
CS - 16	10/02/24	1	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	604
CS - 16	10/03/24	1.25	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	104



Table 1
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 Chicken Noodle Fed Com CTB
 Eddy County, New Mexico



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
Confirmation Soil Samples - nAPP2423129926									
CS - 17	10/02/24	1	<0.00403	<0.00403	<49.9	<49.9	<49.9	<49.9	668
CS - 17	10/03/24	1.25	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	111
CS - 18	10/02/24	1	<0.00401	<0.00401	<49.9	<49.9	<49.9	<49.9	144
CS - 19	10/02/24	1	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	226
CS - 20	10/02/24	1	<0.00402	<0.00402	<49.8	<49.8	<49.8	<49.8	164
CS - 21	10/02/24	1	<0.00401	<0.00401	<49.9	<49.9	<49.9	<49.9	172
CS - 22	10/02/24	1	<0.00398	<0.00398	<50.1	<50.1	<50.1	<50.1	71.9
CS - 23	10/02/24	1	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	60.3
CS - 24	10/02/24	1	<0.00399	<0.00399	<49.8	<49.8	<49.8	<49.8	56.6
CS - 25	10/02/24	1	<0.00400	<0.00400	<49.7	<49.7	<49.7	<49.7	57.6
CS - 26	10/02/24	1	<0.00401	<0.00401	<49.8	<49.8	<49.8	<49.8	61.5
CS - 27	10/02/24	1	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	31.2
CS - 28	10/02/24	1	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	31.0
CS - 29	10/02/24	1	<0.00398	<0.00398	<49.7	<49.7	<49.7	<49.7	29.4
CS - 30	10/02/24	1	<0.00399	<0.00399	<49.8	<49.8	<49.8	<49.8	114
CS - 31	10/02/24	1	<0.00401	<0.00401	<49.8	<49.8	<49.8	<49.8	60.8
CS - 32	10/02/24	1	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	91.9
CS - 33	10/02/24	1	<0.00401	<0.00401	<49.9	<49.9	<49.9	<49.9	37.2
CS - 34	10/02/24	1	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8	102
CS - 35	10/03/24	1	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	207
CS - 36	10/03/24	1	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	252
CS - 37	10/03/24	1	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	249
CS - 38	10/03/24	1	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	128
CS - 39	10/03/24	1	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	108
CS - 40	10/03/24	1	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	111
CS - 41	10/03/24	2	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	199
CS - 42	10/03/24	2	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	208
CS - 43	10/03/24	2	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	39.3



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
 Chicken Noodle Fed Com CTB
 Eddy County, New Mexico



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
Confirmation Soil Samples - nAPP2423129926									
CS - 44	10/03/24	2	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	304
CS - 45	10/03/24	2	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	32.9
CS - 46	10/03/24	1	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	29.3
CS - 47	10/03/24	1	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	31.9
CS - 48	10/03/24	1	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	338
CS - 49	10/03/24	1	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	320
CS - 50	10/03/24	1	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	317
CS - 51	10/03/24	1	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	281
CS - 52	10/03/24	1	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	304
CS - 53	10/03/24	1	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	53.0
CS - 54	10/03/24	1	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	51.9
CS - 55	10/03/24	1	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	27.5
CS - 56	10/03/24	1	<0.00200	<0.00399	<49.6	<49.6	<49.6	<49.6	44.4
CS - 57	10/03/24	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	29.2
CS - 58	10/03/24	1	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	85.2
CS - 59	10/03/24	1	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	166
CS - 60	10/03/24	1	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	74.9
CS - 61	10/03/24	1	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	37.0
CS - 62	10/03/24	1	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	57.5
CS - 63	10/03/24	1	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	242
CS - 64	10/03/24	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	244
CS - 65	10/03/24	1	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	239
CS - 66	10/03/24	1	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	218
CS - 67	10/03/24	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	47.9
CS - 68	10/03/24	1	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	55.1
CS - 69	10/03/24	1	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	54.4
CS - 70	10/03/24	1	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	50.4
CS - 71	10/03/24	2	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	109



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
 Chicken Noodle Fed Com CTB
 Eddy County, New Mexico



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
Confirmation Soil Samples - nAPP2423129926									
CS - 72	10/04/24	2	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	63.9
CS - 73	10/04/24	2	<0.00199	<0.00398	<49.7	108	<49.7	108	205
CS - 73	10/09/24	2.25	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	130
CS - 74	10/04/24	2	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	40.8
CS - 75	10/04/24	2	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	107
CS - 76	10/04/24	2	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	129
CS - 77	10/03/24	1	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	123
CS - 78	10/03/24	1	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	128
CS - 79	11/18/24	1	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	422
CS - 80	11/18/24	1	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	407
CS - 81	11/18/24	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	27.0
CS - 82	11/18/24	1	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	27.5
CS - 83	11/18/24	1	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	37.0
CS - 84	11/18/24	1	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	35.3
CS - 85	11/18/24	1	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	42.8
CS - 86	11/18/24	1	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	26.9
CS - 87	11/18/24	1	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	27.5
CS - 88	11/18/24	1	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	37.6
SW - 1	10/02/24	0-1	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	61.8
SW - 2	10/02/24	0-1	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	35.5
SW - 3	10/02/24	0-1	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	61.8
SW - 4	10/03/24	0-2	<0.00200	<0.00400	<49.7	<49.7	<49.7	<49.7	113
SW - 5	10/03/24	0-2	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	223
SW - 6	10/03/24	0-2	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	104
SW - 7	10/03/24	0-1	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	32.4
SW - 8	10/03/24	0-1	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	31.0



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Chicken Noodle Fed Com CTB
Eddy County, New Mexico



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
Confirmation Soil Samples - nAPP2423129926									
SW - 9	10/03/24	1-2	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	171
SW - 10	10/03/24	1-2	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	167
SW - 11	11/18/24	0-1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	35.6

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Text in "grey" represents excavated soil samples

Concentrations in **bold and highlighted** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard[†] for Soils Impacted by a Release

[†]The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.



Outlook

(Extension Approval) - Civitas - Chicken Noodle Fed Com CTB - nAPP2423129926

From Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>

Date Thu 11/14/2024 12:25 PM

To Gilbert Moreno <gmoreno@earthsys.net>

Cc Luke Kelly <lkelly@civiresources.com>; Joel Lujan <jlujan@civiresources.com>; Kristopher Williams <kwilliams@earthsys.net>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Please send all future extension and variance requests to the OCD Enviro email box at OCD.Enviro@emnrd.nm.gov

RE: Incident **#NAPP2423129926**

Gilbert,

OCD Permitting has been revamped recently and automatically defaults to 90 days for a Remediation Closure Report Extension, which this appears to be. An extension to **February 12th, 2025** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau

EMNRD - Oil Conservation Division

506 W. Texas Ave. | Artesia, NM 88210

575.909.0302 | robert.hamlet@state.nm.us

<http://www.emnrd.state.nm.us/OCD/>



From: Gilbert Moreno <gmoreno@earthsys.net>

Sent: Thursday, November 14, 2024 9:21 AM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Luke Kelly <lkelly@civiresources.com>; Joel Lujan <jlujan@civiresources.com>; Kristopher Williams <kwilliams@earthsys.net>

Subject: [EXTERNAL] Chicken Noodle Fed Com CTB Extension Request- nAPP2423129926

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Hello,

Earth Systems R & R (ESRR) on behalf of Civitas Resources (Civitas) is requesting an extension to the current deadline for a report required in 19.15.29.12.B(1) NMAC at the Chicken Noodle Fed Com CTB

(Site).

A produced water release was discovered on August 18th, 2024, and was subsequently assigned Incident Number nAPP2423129926. From August 19th through October 2024, ESRR completed initial release delineation activities followed by initial excavation activities via mechanical equipment. In order to abide to all Civitas and ESRR safety precautions and encroachment guidelines, above ground equipment was removed temporarily prior to initial excavation activities, ensuring health and safety of on-site personnel. All mechanical equipment activities have been delayed while the above ground equipment has been brought back in. Completion of excavation activities are anticipated to continue on November 18th, 2024.

Civitas requests an extension of the November 18th, 2024, deadline for the release associated with Incident Number nAPP2423129926, in order for ESRR to analyze final confirmation soil sampling results and to complete a subsequent corrective action report.

Thank you,

Gilbert Moreno | Carlsbad Operations Manager- Project Geologist
1910 Resource Ct | Carlsbad NM, 88220
O. 575.323.9034 M. (832) 541-7719 | gmoreno@earthsys.net





Outlook

nAPP2423129926 - Soil Sampling Activities

From Gilbert Moreno <gmoreno@earthsys.net>**Date** Thu 9/26/2024 6:31 AM**To** ocd.enviro@emnrd.nm.gov <ocd.enviro@emnrd.nm.gov>**Cc** Luke Kelly <lkelly@civiresources.com>; Joel Lujan <jlujan@civiresources.com>; Kristopher Williams <kwilliams@earthsys.net>

Hello,

Earth Systems R & R anticipates conducting soil sampling activities at the Chicken Noodle Fed Com CTB, October 1st through October 4th, 2024. This email will be followed up with a Notification of Sampling (C-141N) for the proposed dates.

Proposed Time:	08:00-17:00 MST
Site Name:	Chicken Noodle Fed Com CTB
Incident Number:	nAPP2423129926
Sampling Surface Area:	17,826 sq. ft.
Samples to be collected:	100
Sampling Date:	10/1/2024 through 10/4/2024
Who to Contact:	Gilbert Moreno P: 832-541-7719
Site GPS:	32.05949°, -104.37034°
Navigation to Site:	From the intersection of US-180/US-62 & Dillahunty Rd, Drive SE on Dillahunty Rd for 4.7 mi, Turn S onto lease road for 0.2 mi, location is the N pad

Gilbert Moreno | Carlsbad Operations Manager- Project Geologist
1910 Resource Ct | Carlsbad NM, 88220



Outlook

RE: [EXTERNAL] nAPP2423129926 - Soil Sampling Activities - Variance Request

From Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>

Date Wed 10/9/2024 8:35 AM

To Gilbert Moreno <gmoreno@earthsys.net>

Cc Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Luke Kelly <lkelly@civiresources.com>; Kristopher Williams <kwilliams@earthsys.net>; jlujan@civiresources.com <jlujan@civiresources.com>

Good Morning,

Your variance request for the 2-business day sampling notification is approved.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

The OCD requires a copy of all correspondence related to remedial activities be included in all proposals, weekly/monthly/quarterly/semi-annual/annual, or final closure reports. Correspondence reporting requirements may include, but not limited to, time extension requests, sample event notifications, and variance requests.

If you have any questions, please contact me via email at your convenience.

Thank you.

Regards,

Scott Rodgers • Environmental Specialist – Adv.

Environmental Bureau

EMNRD - Oil Conservation Division

8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113

505.469.1830 | scott.rodgers@emnrd.nm.gov

<http://www.emnrd.nm.gov/oed>



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Wednesday, October 9, 2024 8:58 AM

To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: FW: [EXTERNAL] nAPP2423129926 - Soil Sampling Activities - Variance Request

From: Gilbert Moreno <gmoreno@earthsys.net>

Sent: Wednesday, October 9, 2024 8:49 AM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

Cc: Luke Kelly <lkelly@civiresources.com>; Kristopher Williams <kwilliams@earthsys.net>; Joel Lujan <jlujan@civiresources.com>

Subject: [EXTERNAL] nAPP2423129926 - Soil Sampling Activities - Variance Request

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Hello,

Earth Systems R & R (ESRR) on behalf of Civitas Resources would like to request a variance to the 2-business day sampling notification. ESRR will be conducting continued remediation October 9, 2024, and anticipates conducting soil sampling activities on the same day if granted the variance. A Notification of Sampling (C-141N) will be followed up based on approval of this request.

Proposed Time:	12:00-17:00 MST
Site Name:	Chicken Noodle Fed Com CTB
Incident Number:	nAPP2423129926
Sampling Surface Area:	200 sq. ft.
Samples to be collected:	1
Sampling Date:	10/9/2024
Who to Contact:	Gilbert Moreno P: 832-541-7719
Site GPS:	32.05949°, -104.37034°
Navigation to Site:	From the intersection of US-180/US-62 & Dillahunty Rd, Drive SE on Dillahunty Rd for 4.7 mi, Turn S onto lease road for 0.2 mi, location is the N pad

Gilbert Moreno | Carlsbad Operations Manager- Project Geologist
1910 Resource Ct | Carlsbad NM, 88220
O. 575.323.9034 M. (832) 541-7719 | gmoreno@earthsys.net





Outlook

nAPP2423129926 - Soil Sampling Activities

From Gilbert Moreno <gmoreno@earthsys.net>**Date** Thu 11/14/2024 7:16 AM**To** ocd.enviro@emnrd.nm.gov <ocd.enviro@emnrd.nm.gov>**Cc** Luke Kelly <lkelly@civiresources.com>; Joel Lujan <jlujan@civiresources.com>; Kristopher Williams <kwilliams@earthsys.net>

Hello,

Earth Systems R & R anticipates conducting soil sampling activities at the Chicken Noodle Fed Com CTB, November 18th and 19th, 2024. This email will be followed up with a Notification of Sampling (C-141N) for the proposed dates.

Proposed Time:	08:00-17:00 MST
Site Name:	Chicken Noodle Fed Com CTB
Incident Number:	nAPP2423129926
Sampling Surface Area:	1,000 sq. ft.
Samples to be collected:	10
Sampling Date:	11/18/2024 & 11/19/2024
Who to Contact:	Gilbert Moreno P: 832-541-7719
Site GPS:	32.05949°, -104.37034°
Navigation to Site:	From the intersection of US-180/US-62 & Dillahunty Rd, Drive SE on Dillahunty Rd for 4.7 mi, Turn S onto lease road for 0.2 mi, location is the N pad

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

QUESTIONS

Action 387863

QUESTIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 387863
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2423129926
Incident Name	NAPP2423129926 CHICKEN NOODLE FED COM CTB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2321946745] CHICKEN NOODLE FED COM CTB

Location of Release Source

Site Name	CHICKEN NOODLE FED COM CTB
Date Release Discovered	08/18/2024
Surface Owner	Federal

Sampling Event General Information*Please answer all the questions in this group.*

What is the sampling surface area in square feet	17,826
What is the estimated number of samples that will be gathered	100
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/02/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Gilbert Moreno P: 832-541-7719
Please provide any information necessary for navigation to sampling site	From the intersection of US-180/US-62 & Dillahunty Rd, Drive SE on Dillahunty Rd for 4.7 mi, Turn S onto lease road for 0.2 mi, location is the N pad

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

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

CONDITIONS

Action 387863

CONDITIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 387863
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
lkelly	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/27/2024

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

QUESTIONS

Action 387868

QUESTIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 387868
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2423129926
Incident Name	NAPP2423129926 CHICKEN NOODLE FED COM CTB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2321946745] CHICKEN NOODLE FED COM CTB

Location of Release Source	
Site Name	CHICKEN NOODLE FED COM CTB
Date Release Discovered	08/18/2024
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	17,826
What is the estimated number of samples that will be gathered	100
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/03/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Gilbert Moreno P: 832-541-7719
Please provide any information necessary for navigation to sampling site	32.05949°, -104.37034° From the intersection of US-180/US-62 & Dillahunty Rd, Drive SE on Dillahunty Rd for 4.7 mi, Turn S onto lease road for 0.2 mi, location is the N pad

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

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

CONDITIONS

Action 387868

CONDITIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 387868
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
lkelly	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/27/2024

District I

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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

QUESTIONS

Action 387869

QUESTIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 387869
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2423129926
Incident Name	NAPP2423129926 CHICKEN NOODLE FED COM CTB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2321946745] CHICKEN NOODLE FED COM CTB

Location of Release Source	
Site Name	CHICKEN NOODLE FED COM CTB
Date Release Discovered	08/18/2024
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	17,826
What is the estimated number of samples that will be gathered	100
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/04/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Gilbert Moreno P: 832-541-7719
Please provide any information necessary for navigation to sampling site	32.05949°, -104.37034° From the intersection of US-180/US-62 & Dillahunty Rd, Drive SE on Dillahunty Rd for 4.7 mi, Turn S onto lease road for 0.2 mi, location is the N pad

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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811 S. First St., Artesia, NM 88210
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 387869

CONDITIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 387869
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
lkelly	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/27/2024

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 417177

QUESTIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 417177
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2423129926
Incident Name	NAPP2423129926 CHICKEN NOODLE FED COM CTB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2321946745] CHICKEN NOODLE FED COM CTB

Location of Release Source	
Site Name	CHICKEN NOODLE FED COM CTB
Date Release Discovered	08/18/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	200
What is the estimated number of samples that will be gathered	1
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/09/2024
Time sampling will commence	08:00 AM
 Warning: Notification can not be less than two business days prior to conducting final sampling. 	
Please provide any information necessary for observers to contact samplers	Gilbert Moreno 832-541-7719
Please provide any information necessary for navigation to sampling site	From the intersection of US-180/US-62 & Dillahunty Rd, Drive SE on Dillahunty Rd for 4.7 miles. Turn S onto lease road for 0.2 mi, location is at the N pad.

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 417177

CONDITIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 417177
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jlujan	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/6/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 415925

QUESTIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 415925
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2423129926
Incident Name	NAPP2423129926 CHICKEN NOODLE FED COM CTB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2321946745] CHICKEN NOODLE FED COM CTB

Location of Release Source	
Site Name	CHICKEN NOODLE FED COM CTB
Date Release Discovered	08/18/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	200
What is the estimated number of samples that will be gathered	1
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/18/2024
Time sampling will commence	08:00 AM
 Warning: Notification can not be less than two business days prior to conducting final sampling. 	
Please provide any information necessary for observers to contact samplers	Gilbert Moreno 832-541-7719
Please provide any information necessary for navigation to sampling site	From the intersection of US-180/US-62 & Dillahunty Rd, Drive SE on Dillahunty Rd for 4.7 mi, Turn S onto lease road for 0.2 mi, location is the N pad

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 415925

CONDITIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 415925
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jlujan	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	12/30/2024



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ellis Pierce
Earth Systems Response and Restoration
4115 South County Road 1297
Odessa, Texas 79765

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JOB DESCRIPTION

Chicken Noodle Federal Com CTB

JOB NUMBER

880-47469-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701



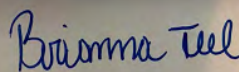
Eurofins Midland

Job Notes

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

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Authorized for release by
Brianna Teel, Project Manager
Brianna.Teel@et.eurofinsus.com
(432)704-5440

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Laboratory Job ID: 880-47469-1

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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: Earth Systems Response and Restoration
Project: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

Job ID: 880-47469-1

Eurofins Midland

Job Narrative 880-47469-1

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

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

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

Receipt

The samples were received on 8/20/2024 12:16 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 1.5°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: HA-1 (880-47469-1), HA-1 (880-47469-2), HA-1 (880-47469-3), HA-1 (880-47469-4), HA-1 (880-47469-5), HA-2 (880-47469-6), HA-2 (880-47469-7), HA-2 (880-47469-8), HA-2 (880-47469-9), HA-3 (880-47469-10), HA-3 (880-47469-11), HA-3 (880-47469-12), HA-3 (880-47469-13), HA-3 (880-47469-14), HA-4 (880-47469-15), HA-4 (880-47469-16), HA-4 (880-47469-17), HA-4 (880-47469-18), HA-4 (880-47469-19), HA-5 (880-47469-20), HA-5 (880-47469-21), HA-5 (880-47469-22), HA-5 (880-47469-23), HA-5 (880-47469-24), HA-6 (880-47469-25), HA-6 (880-47469-26), HA-6 (880-47469-27), HA-6 (880-47469-28), HA-6 (880-47469-29), HA-7 (880-47469-30), HA-7 (880-47469-31), HA-7 (880-47469-32), HA-7 (880-47469-33), HA-7 (880-47469-34), HA-8 (880-47469-35), HA-8 (880-47469-36), HA-8 (880-47469-37), HA-8 (880-47469-38), HA-8 (880-47469-39), HA-9 (880-47469-40), HA-9 (880-47469-41), HA-9 (880-47469-42), HA-9 (880-47469-43), HA-9 (880-47469-44), P-1 (880-47469-45), P-2 (880-47469-46), P-3 (880-47469-47) and P-4 (880-47469-48).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: P-4 (880-47469-48). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-88940 and analytical batch 880-88942 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-88941 and analytical batch 880-88946 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Eurofins Midland

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

Client Sample ID: HA-1

Lab Sample ID: 880-47469-1

Date Collected: 08/19/24 11:00

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 0-0.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/20/24 13:10	08/20/24 16:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/20/24 13:10	08/20/24 16:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/20/24 13:10	08/20/24 16:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/20/24 13:10	08/20/24 16:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/20/24 13:10	08/20/24 16:25	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/20/24 13:10	08/20/24 16:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	08/20/24 13:10	08/20/24 16:25	1
1,4-Difluorobenzene (Surr)	73		70 - 130	08/20/24 13:10	08/20/24 16:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/20/24 16:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			08/20/24 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		08/20/24 14:08	08/20/24 15:26	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		08/20/24 14:08	08/20/24 15:26	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/20/24 14:08	08/20/24 15:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	08/20/24 14:08	08/20/24 15:26	1
o-Terphenyl	75		70 - 130	08/20/24 14:08	08/20/24 15:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.62		5.01		mg/Kg			08/20/24 21:32	5

Client Sample ID: HA-1

Lab Sample ID: 880-47469-2

Date Collected: 08/19/24 11:02

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 0.5-1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.7		5.02		mg/Kg			08/20/24 21:54	5

Eurofins Midland

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

Client Sample ID: HA-1

Lab Sample ID: 880-47469-3

Date Collected: 08/19/24 11:04

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 1.5-2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1350		19.8		mg/Kg			08/20/24 22:01	20

Client Sample ID: HA-1

Lab Sample ID: 880-47469-4

Date Collected: 08/19/24 11:06

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 2.5-3

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.7		0.996		mg/Kg			08/20/24 22:08	1

Client Sample ID: HA-2

Lab Sample ID: 880-47469-6

Date Collected: 08/19/24 11:10

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 0-0.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/20/24 13:10	08/20/24 16:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/20/24 13:10	08/20/24 16:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/20/24 13:10	08/20/24 16:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/20/24 13:10	08/20/24 16:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/20/24 13:10	08/20/24 16:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/20/24 13:10	08/20/24 16:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	08/20/24 13:10	08/20/24 16:47	1
1,4-Difluorobenzene (Surr)	87		70 - 130	08/20/24 13:10	08/20/24 16:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/20/24 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/20/24 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/20/24 14:08	08/20/24 15:44	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/20/24 14:08	08/20/24 15:44	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/20/24 14:08	08/20/24 15:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	08/20/24 14:08	08/20/24 15:44	1
o-Terphenyl	80		70 - 130	08/20/24 14:08	08/20/24 15:44	1

Eurofins Midland

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

Client Sample ID: HA-2

Lab Sample ID: 880-47469-6

Date Collected: 08/19/24 11:10

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 0-0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.2		1.01		mg/Kg			08/20/24 22:16	1

Client Sample ID: HA-2

Lab Sample ID: 880-47469-7

Date Collected: 08/19/24 11:12

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 0.5-1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.0		0.996		mg/Kg			08/20/24 22:38	1

Client Sample ID: HA-2

Lab Sample ID: 880-47469-8

Date Collected: 08/19/24 11:14

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 1.5-2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.1		5.04		mg/Kg			08/20/24 22:45	5

Client Sample ID: HA-3

Lab Sample ID: 880-47469-10

Date Collected: 08/19/24 11:20

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 0-0.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/20/24 13:10	08/20/24 18:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/20/24 13:10	08/20/24 18:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/20/24 13:10	08/20/24 18:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/20/24 13:10	08/20/24 18:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/20/24 13:10	08/20/24 18:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/20/24 13:10	08/20/24 18:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	08/20/24 13:10	08/20/24 18:13	1
1,4-Difluorobenzene (Surr)	82		70 - 130	08/20/24 13:10	08/20/24 18:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/20/24 18:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			08/20/24 16:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		08/20/24 14:08	08/20/24 16:19	1

Eurofins Midland

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

Client Sample ID: HA-3

Lab Sample ID: 880-47469-10

Date Collected: 08/19/24 11:20

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 0-0.5

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		08/20/24 14:08	08/20/24 16:19	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/20/24 14:08	08/20/24 16:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				08/20/24 14:08	08/20/24 16:19	1
o-Terphenyl	80		70 - 130				08/20/24 14:08	08/20/24 16:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1310		20.1		mg/Kg			08/20/24 22:53	20

Client Sample ID: HA-3

Lab Sample ID: 880-47469-11

Date Collected: 08/19/24 11:22

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 0.5-1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		5.00		mg/Kg			08/20/24 23:00	5

Client Sample ID: HA-3

Lab Sample ID: 880-47469-12

Date Collected: 08/19/24 11:24

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 1.5-2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.0		5.05		mg/Kg			08/20/24 23:08	5

Client Sample ID: HA-4

Lab Sample ID: 880-47469-15

Date Collected: 08/19/24 11:30

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 0-0.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/20/24 13:10	08/20/24 18:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/20/24 13:10	08/20/24 18:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/20/24 13:10	08/20/24 18:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/20/24 13:10	08/20/24 18:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/20/24 13:10	08/20/24 18:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/20/24 13:10	08/20/24 18:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				08/20/24 13:10	08/20/24 18:33	1
1,4-Difluorobenzene (Surr)	70		70 - 130				08/20/24 13:10	08/20/24 18:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/20/24 18:33	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

Client Sample ID: HA-4

Date Collected: 08/19/24 11:30

Date Received: 08/20/24 12:16

Sample Depth: 0-0.5

Lab Sample ID: 880-47469-15

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/20/24 16:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/20/24 14:08	08/20/24 16:36	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/20/24 14:08	08/20/24 16:36	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/20/24 14:08	08/20/24 16:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				08/20/24 14:08	08/20/24 16:36	1
o-Terphenyl	82		70 - 130				08/20/24 14:08	08/20/24 16:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1160	F1	20.2		mg/Kg			08/20/24 23:15	20

Client Sample ID: HA-4

Date Collected: 08/19/24 11:32

Date Received: 08/20/24 12:16

Sample Depth: 0.5-1

Lab Sample ID: 880-47469-16

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.9		5.03		mg/Kg			08/20/24 23:37	5

Client Sample ID: HA-4

Date Collected: 08/19/24 11:34

Date Received: 08/20/24 12:16

Sample Depth: 1.5-2

Lab Sample ID: 880-47469-17

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.7		4.96		mg/Kg			08/20/24 23:44	5

Client Sample ID: HA-5

Date Collected: 08/19/24 11:40

Date Received: 08/20/24 12:16

Sample Depth: 0-0.5

Lab Sample ID: 880-47469-20

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/20/24 13:10	08/20/24 18:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/20/24 13:10	08/20/24 18:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/20/24 13:10	08/20/24 18:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/20/24 13:10	08/20/24 18:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/20/24 13:10	08/20/24 18:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/20/24 13:10	08/20/24 18:54	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

Client Sample ID: HA-5

Lab Sample ID: 880-47469-20

Date Collected: 08/19/24 11:40

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 0-0.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	08/20/24 13:10	08/20/24 18:54	1
1,4-Difluorobenzene (Surr)	79		70 - 130	08/20/24 13:10	08/20/24 18:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/20/24 18:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/20/24 16:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/20/24 14:08	08/20/24 16:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/20/24 14:08	08/20/24 16:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/20/24 14:08	08/20/24 16:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				08/20/24 14:08	08/20/24 16:54	1
o-Terphenyl	89		70 - 130				08/20/24 14:08	08/20/24 16:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1900		19.8		mg/Kg			08/21/24 00:07	20

Client Sample ID: HA-5

Lab Sample ID: 880-47469-21

Date Collected: 08/19/24 11:42

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 0.5-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		5.00		mg/Kg			08/21/24 00:14	5

Client Sample ID: HA-5

Lab Sample ID: 880-47469-22

Date Collected: 08/19/24 11:44

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 1.5-2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.9		10.1		mg/Kg			08/21/24 00:21	10

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

Client Sample ID: HA-6

Lab Sample ID: 880-47469-25

Date Collected: 08/19/24 11:50

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 0-0.5

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/20/24 13:10	08/20/24 19:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/20/24 13:10	08/20/24 19:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/20/24 13:10	08/20/24 19:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/20/24 13:10	08/20/24 19:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/20/24 13:10	08/20/24 19:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/20/24 13:10	08/20/24 19:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				08/20/24 13:10	08/20/24 19:15	1
1,4-Difluorobenzene (Surr)	75		70 - 130				08/20/24 13:10	08/20/24 19:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/20/24 19:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/20/24 17:11	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/20/24 14:08	08/20/24 17:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/20/24 14:08	08/20/24 17:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/20/24 14:08	08/20/24 17:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				08/20/24 14:08	08/20/24 17:11	1
o-Terphenyl	80		70 - 130				08/20/24 14:08	08/20/24 17:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1280		19.9		mg/Kg			08/21/24 00:29	20

Client Sample ID: HA-6

Lab Sample ID: 880-47469-26

Date Collected: 08/19/24 11:52

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 0.5-1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		9.98		mg/Kg			08/21/24 00:36	10

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

Client Sample ID: HA-6

Date Collected: 08/19/24 11:54

Date Received: 08/20/24 12:16

Sample Depth: 1.5-2

Lab Sample ID: 880-47469-27

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	277		10.1		mg/Kg			08/21/24 00:44	10

Client Sample ID: HA-6

Date Collected: 08/19/24 11:56

Date Received: 08/20/24 12:16

Sample Depth: 2.5-3

Lab Sample ID: 880-47469-28

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.5		4.97		mg/Kg			08/21/24 00:51	5

Client Sample ID: HA-7

Date Collected: 08/19/24 12:00

Date Received: 08/20/24 12:16

Sample Depth: 0-0.5

Lab Sample ID: 880-47469-30

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/20/24 13:10	08/20/24 19:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/20/24 13:10	08/20/24 19:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/20/24 13:10	08/20/24 19:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/20/24 13:10	08/20/24 19:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/20/24 13:10	08/20/24 19:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/20/24 13:10	08/20/24 19:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	08/20/24 13:10	08/20/24 19:35	1
1,4-Difluorobenzene (Surr)	77		70 - 130	08/20/24 13:10	08/20/24 19:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/20/24 19:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/20/24 17:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/20/24 14:08	08/20/24 17:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/20/24 14:08	08/20/24 17:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/20/24 14:08	08/20/24 17:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	08/20/24 14:08	08/20/24 17:29	1
o-Terphenyl	80		70 - 130	08/20/24 14:08	08/20/24 17:29	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

Client Sample ID: HA-7

Date Collected: 08/19/24 12:00

Date Received: 08/20/24 12:16

Sample Depth: 0-0.5

Lab Sample ID: 880-47469-30

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7200		100		mg/Kg			08/20/24 17:06	20

Client Sample ID: HA-7

Date Collected: 08/19/24 12:02

Date Received: 08/20/24 12:16

Sample Depth: 0.5-1

Lab Sample ID: 880-47469-31

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	401		50.5		mg/Kg			08/20/24 17:12	10

Client Sample ID: HA-7

Date Collected: 08/19/24 12:04

Date Received: 08/20/24 12:16

Sample Depth: 1.5-2

Lab Sample ID: 880-47469-32

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	137		50.1		mg/Kg			08/20/24 17:18	10

Client Sample ID: HA-8

Date Collected: 08/19/24 12:10

Date Received: 08/20/24 12:16

Sample Depth: 0-0.5

Lab Sample ID: 880-47469-35

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/20/24 13:10	08/20/24 19:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/20/24 13:10	08/20/24 19:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/20/24 13:10	08/20/24 19:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/20/24 13:10	08/20/24 19:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/20/24 13:10	08/20/24 19:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/20/24 13:10	08/20/24 19:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	08/20/24 13:10	08/20/24 19:56	1
1,4-Difluorobenzene (Surr)	74		70 - 130	08/20/24 13:10	08/20/24 19:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/20/24 19:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/20/24 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/20/24 14:10	08/20/24 15:26	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

Client Sample ID: HA-8

Lab Sample ID: 880-47469-35

Date Collected: 08/19/24 12:10

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 0-0.5

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/20/24 14:10	08/20/24 15:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/20/24 14:10	08/20/24 15:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				08/20/24 14:10	08/20/24 15:26	1
o-Terphenyl	101		70 - 130				08/20/24 14:10	08/20/24 15:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10800	F1	249		mg/Kg			08/20/24 17:24	50

Client Sample ID: HA-8

Lab Sample ID: 880-47469-36

Date Collected: 08/19/24 12:12

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 0.5-1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2490		101		mg/Kg			08/20/24 17:42	20

Client Sample ID: HA-8

Lab Sample ID: 880-47469-37

Date Collected: 08/19/24 12:14

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 1.5-2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	320		50.5		mg/Kg			08/20/24 17:48	10

Client Sample ID: HA-9

Lab Sample ID: 880-47469-40

Date Collected: 08/19/24 12:20

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 0-0.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/20/24 13:10	08/20/24 20:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/20/24 13:10	08/20/24 20:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/20/24 13:10	08/20/24 20:17	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/20/24 13:10	08/20/24 20:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/20/24 13:10	08/20/24 20:17	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/20/24 13:10	08/20/24 20:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				08/20/24 13:10	08/20/24 20:17	1
1,4-Difluorobenzene (Surr)	86		70 - 130				08/20/24 13:10	08/20/24 20:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/20/24 20:17	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

Client Sample ID: HA-9

Lab Sample ID: 880-47469-40

Date Collected: 08/19/24 12:20

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 0-0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			08/20/24 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		08/20/24 14:10	08/20/24 15:44	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		08/20/24 14:10	08/20/24 15:44	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/20/24 14:10	08/20/24 15:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				08/20/24 14:10	08/20/24 15:44	1
o-Terphenyl	93		70 - 130				08/20/24 14:10	08/20/24 15:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8970		99.6		mg/Kg			08/20/24 18:07	20

Client Sample ID: HA-9

Lab Sample ID: 880-47469-41

Date Collected: 08/19/24 12:22

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 0.5-1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2390		101		mg/Kg			08/20/24 18:13	20

Client Sample ID: HA-9

Lab Sample ID: 880-47469-42

Date Collected: 08/19/24 12:24

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 1.5-2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	356		50.1		mg/Kg			08/20/24 18:19	10

Client Sample ID: P-1

Lab Sample ID: 880-47469-45

Date Collected: 08/19/24 12:30

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 0-0.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/20/24 13:10	08/20/24 20:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/20/24 13:10	08/20/24 20:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/20/24 13:10	08/20/24 20:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/20/24 13:10	08/20/24 20:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/20/24 13:10	08/20/24 20:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/20/24 13:10	08/20/24 20:37	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

Client Sample ID: P-1

Lab Sample ID: 880-47469-45

Date Collected: 08/19/24 12:30

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 0-0.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	08/20/24 13:10	08/20/24 20:37	1
1,4-Difluorobenzene (Surr)	77		70 - 130	08/20/24 13:10	08/20/24 20:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/20/24 20:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/20/24 16:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/20/24 14:10	08/20/24 16:19	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/20/24 14:10	08/20/24 16:19	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/20/24 14:10	08/20/24 16:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				08/20/24 14:10	08/20/24 16:19	1
o-Terphenyl	97		70 - 130				08/20/24 14:10	08/20/24 16:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1080		25.2		mg/Kg			08/20/24 18:25	5

Client Sample ID: P-2

Lab Sample ID: 880-47469-46

Date Collected: 08/19/24 12:32

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 0-0.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/20/24 13:10	08/20/24 20:58	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/20/24 13:10	08/20/24 20:58	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/20/24 13:10	08/20/24 20:58	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/20/24 13:10	08/20/24 20:58	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/20/24 13:10	08/20/24 20:58	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/20/24 13:10	08/20/24 20:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				08/20/24 13:10	08/20/24 20:58	1
1,4-Difluorobenzene (Surr)	78		70 - 130				08/20/24 13:10	08/20/24 20:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/20/24 20:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			08/20/24 16:36	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

Client Sample ID: P-2

Lab Sample ID: 880-47469-46

Date Collected: 08/19/24 12:32

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 0-0.5

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		08/20/24 14:10	08/20/24 16:36	1	
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		08/20/24 14:10	08/20/24 16:36	1	
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/20/24 14:10	08/20/24 16:36	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	96		70 - 130				08/20/24 14:10	08/20/24 16:36	1	
o-Terphenyl	94		70 - 130				08/20/24 14:10	08/20/24 16:36	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	55.2		4.95		mg/Kg			08/20/24 18:31	1	

Client Sample ID: P-3

Lab Sample ID: 880-47469-47

Date Collected: 08/19/24 12:34

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 0-0.5

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200		mg/Kg		08/20/24 14:06	08/21/24 00:05	1	
Toluene	<0.00200	U	0.00200		mg/Kg		08/20/24 14:06	08/21/24 00:05	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/20/24 14:06	08/21/24 00:05	1	
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/20/24 14:06	08/21/24 00:05	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/20/24 14:06	08/21/24 00:05	1	
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/20/24 14:06	08/21/24 00:05	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	98		70 - 130				08/20/24 14:06	08/21/24 00:05	1	
1,4-Difluorobenzene (Surr)	76		70 - 130				08/20/24 14:06	08/21/24 00:05	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/21/24 00:05	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.7	U	49.7		mg/Kg			08/20/24 16:54	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/20/24 14:10	08/20/24 16:54	1	
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/20/24 14:10	08/20/24 16:54	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/20/24 14:10	08/20/24 16:54	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	93		70 - 130				08/20/24 14:10	08/20/24 16:54	1	
o-Terphenyl	92		70 - 130				08/20/24 14:10	08/20/24 16:54	1	

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

Client Sample ID: P-3

Lab Sample ID: 880-47469-47

Date Collected: 08/19/24 12:34

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 0-0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	375		4.95		mg/Kg			08/20/24 18:37	1

Client Sample ID: P-4

Lab Sample ID: 880-47469-48

Date Collected: 08/19/24 12:36

Matrix: Solid

Date Received: 08/20/24 12:16

Sample Depth: 0-0.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/20/24 14:06	08/21/24 00:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/20/24 14:06	08/21/24 00:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/20/24 14:06	08/21/24 00:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/20/24 14:06	08/21/24 00:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/20/24 14:06	08/21/24 00:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/20/24 14:06	08/21/24 00:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				08/20/24 14:06	08/21/24 00:25	1
1,4-Difluorobenzene (Surr)	64	S1-	70 - 130				08/20/24 14:06	08/21/24 00:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/21/24 00:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/20/24 17:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/20/24 14:10	08/20/24 17:11	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/20/24 14:10	08/20/24 17:11	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/20/24 14:10	08/20/24 17:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				08/20/24 14:10	08/20/24 17:11	1
o-Terphenyl	86		70 - 130				08/20/24 14:10	08/20/24 17:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	984		25.2		mg/Kg			08/20/24 18:43	5

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Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

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)
880-47469-1	HA-1	91	73
880-47469-6	HA-2	85	87
880-47469-10	HA-3	101	82
880-47469-15	HA-4	98	70
880-47469-20	HA-5	101	79
880-47469-25	HA-6	101	75
880-47469-30	HA-7	103	77
880-47469-35	HA-8	102	74
880-47469-40	HA-9	95	86
880-47469-45	P-1	102	77
880-47469-46	P-2	101	78
880-47469-47	P-3	98	76
880-47469-47 MS	P-3	119	85
880-47469-47 MSD	P-3	114	92
880-47469-48	P-4	103	64 S1-
LCS 880-88899/1-A	Lab Control Sample	111	105
LCS 880-88958/1-A	Lab Control Sample	114	102
LCSD 880-88899/2-A	Lab Control Sample Dup	113	100
LCSD 880-88958/2-A	Lab Control Sample Dup	109	76
MB 880-88899/5-A	Method Blank	80	95
MB 880-88958/5-A	Method Blank	82	92
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)
880-47416-A-1-E MSD	Matrix Spike Duplicate	101	111
880-47416-A-1-F MS	Matrix Spike	120	110
880-47428-A-1-F MS	Matrix Spike	114	93
880-47428-A-1-G MSD	Matrix Spike Duplicate	95	92
880-47469-1	HA-1	86	75
880-47469-6	HA-2	92	80
880-47469-10	HA-3	92	80
880-47469-15	HA-4	91	82
880-47469-20	HA-5	99	89
880-47469-25	HA-6	88	80
880-47469-30	HA-7	91	80
880-47469-35	HA-8	100	101
880-47469-40	HA-9	91	93
880-47469-45	P-1	98	97
880-47469-46	P-2	96	94
880-47469-47	P-3	93	92
880-47469-48	P-4	87	86
LCS 880-88795/2-A	Lab Control Sample	77	83

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Surrogate Summary

Client: Earth Systems Response and Restoration

Job ID: 880-47469-1

Project/Site: Chicken Noodle Federal Com CTB

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
LCS 880-88796/2-A	Lab Control Sample	84	103
LCSD 880-88795/3-A	Lab Control Sample Dup	95	82
LCSD 880-88796/3-A	Lab Control Sample Dup	103	102
MB 880-88795/1-A	Method Blank	84	78
MB 880-88796/1-A	Method Blank	90	94
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-88899/5-A
Matrix: Solid
Analysis Batch: 88897

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 88899

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/20/24 08:45	08/20/24 11:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/20/24 08:45	08/20/24 11:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/20/24 08:45	08/20/24 11:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/20/24 08:45	08/20/24 11:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/20/24 08:45	08/20/24 11:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/20/24 08:45	08/20/24 11:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130	08/20/24 08:45	08/20/24 11:48	1
1,4-Difluorobenzene (Surr)	95		70 - 130	08/20/24 08:45	08/20/24 11:48	1

Lab Sample ID: LCS 880-88899/1-A
Matrix: Solid
Analysis Batch: 88897

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 88899

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08785		mg/Kg		88	70 - 130
Toluene	0.100	0.08853		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.09745		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.1904		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09484		mg/Kg		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-88899/2-A
Matrix: Solid
Analysis Batch: 88897

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 88899

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09438		mg/Kg		94	70 - 130	7	35
Toluene	0.100	0.08652		mg/Kg		87	70 - 130	2	35
Ethylbenzene	0.100	0.09302		mg/Kg		93	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2072		mg/Kg		104	70 - 130	8	35
o-Xylene	0.100	0.1019		mg/Kg		102	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-88958/5-A
Matrix: Solid
Analysis Batch: 88897

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 88958

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/20/24 14:06	08/20/24 23:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/20/24 14:06	08/20/24 23:43	1

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

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

Lab Sample ID: MB 880-88958/5-A

Matrix: Solid

Analysis Batch: 88897

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 88958

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/20/24 14:06	08/20/24 23:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/20/24 14:06	08/20/24 23:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/20/24 14:06	08/20/24 23:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/20/24 14:06	08/20/24 23:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	08/20/24 14:06	08/20/24 23:43	1
1,4-Difluorobenzene (Surr)	92		70 - 130	08/20/24 14:06	08/20/24 23:43	1

Lab Sample ID: LCS 880-88958/1-A

Matrix: Solid

Analysis Batch: 88897

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 88958

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08557		mg/Kg		86	70 - 130
Toluene	0.100	0.09145		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.1051		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.1995		mg/Kg		100	70 - 130
o-Xylene	0.100	0.09898		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-88958/2-A

Matrix: Solid

Analysis Batch: 88897

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 88958

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09021		mg/Kg		90	70 - 130	5	35
Toluene	0.100	0.1020		mg/Kg		102	70 - 130	11	35
Ethylbenzene	0.100	0.1151		mg/Kg		115	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.2129		mg/Kg		106	70 - 130	6	35
o-Xylene	0.100	0.1059		mg/Kg		106	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	76		70 - 130

Lab Sample ID: 880-47469-47 MS

Matrix: Solid

Analysis Batch: 88897

Client Sample ID: P-3

Prep Type: Total/NA

Prep Batch: 88958

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.07518		mg/Kg		75	70 - 130
Toluene	<0.00200	U	0.100	0.08113		mg/Kg		81	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09402		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1767		mg/Kg		88	70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

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

Lab Sample ID: 880-47469-47 MS

Matrix: Solid

Analysis Batch: 88897

Client Sample ID: P-3

Prep Type: Total/NA

Prep Batch: 88958

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	<0.00200	U	0.100	0.08846		mg/Kg		88	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	119		70 - 130						
1,4-Difluorobenzene (Surr)	85		70 - 130						

Lab Sample ID: 880-47469-47 MSD

Matrix: Solid

Analysis Batch: 88897

Client Sample ID: P-3

Prep Type: Total/NA

Prep Batch: 88958

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	0.07261		mg/Kg		73	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.07765		mg/Kg		78	70 - 130	4	35
Ethylbenzene	<0.00200	U	0.100	0.09300		mg/Kg		93	70 - 130	1	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1729		mg/Kg		86	70 - 130	2	35
o-Xylene	<0.00200	U	0.100	0.08644		mg/Kg		86	70 - 130	2	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	114		70 - 130								
1,4-Difluorobenzene (Surr)	92		70 - 130								

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

Lab Sample ID: MB 880-88795/1-A

Matrix: Solid

Analysis Batch: 88918

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 88795

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/19/24 10:29	08/20/24 06:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/19/24 10:29	08/20/24 06:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/19/24 10:29	08/20/24 06:30	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	84		70 - 130						
o-Terphenyl	78		70 - 130						

Lab Sample ID: LCS 880-88795/2-A

Matrix: Solid

Analysis Batch: 88918

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 88795

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	793.0		mg/Kg		79	70 - 130
Diesel Range Organics (Over C10-C28)	1000	808.8		mg/Kg		81	70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

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

Lab Sample ID: LCS 880-88795/2-A

Matrix: Solid

Analysis Batch: 88918

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 88795

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	77		70 - 130
o-Terphenyl	83		70 - 130

Lab Sample ID: LCSD 880-88795/3-A

Matrix: Solid

Analysis Batch: 88918

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 88795

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	815.5		mg/Kg		82	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	739.9		mg/Kg		74	70 - 130	9	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	82		70 - 130

Lab Sample ID: 880-47428-A-1-F MS

Matrix: Solid

Analysis Batch: 88918

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 88795

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	998	863.7		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	<50.2	U	998	827.2		mg/Kg		83	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	93		70 - 130

Lab Sample ID: 880-47428-A-1-G MSD

Matrix: Solid

Analysis Batch: 88918

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 88795

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	<50.2	U	998	874.1		mg/Kg		88	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.2	U	998	877.7		mg/Kg		88	70 - 130	6	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	92		70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

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

Lab Sample ID: MB 880-88796/1-A

Matrix: Solid

Analysis Batch: 88921

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 88796

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/19/24 10:33	08/20/24 06:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/19/24 10:33	08/20/24 06:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/19/24 10:33	08/20/24 06:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				08/19/24 10:33	08/20/24 06:30	1
o-Terphenyl	94		70 - 130				08/19/24 10:33	08/20/24 06:30	1

Lab Sample ID: LCS 880-88796/2-A

Matrix: Solid

Analysis Batch: 88921

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 88796

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	810.7		mg/Kg		81	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	955.2		mg/Kg		96	70 - 130		
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	84		70 - 130						
o-Terphenyl	103		70 - 130						

Lab Sample ID: LCSD 880-88796/3-A

Matrix: Solid

Analysis Batch: 88921

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 88796

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	816.2		mg/Kg		82	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	899.9		mg/Kg		90	70 - 130	6	20
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	103		70 - 130						
o-Terphenyl	102		70 - 130						

Lab Sample ID: 880-47416-A-1-E MSD

Matrix: Solid

Analysis Batch: 88921

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 88796

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	<50.2	U	998	817.9		mg/Kg		82	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.2	U	998	991.3		mg/Kg		99	70 - 130	6	20

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

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

Lab Sample ID: 880-47416-A-1-E MSD
Matrix: Solid
Analysis Batch: 88921

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 88796

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	111		70 - 130

Lab Sample ID: 880-47416-A-1-F MS
Matrix: Solid
Analysis Batch: 88921

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 88796

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	998	812.1		mg/Kg		81	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.2	U	998	932.7		mg/Kg		93	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	110		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-88940/1-A
Matrix: Solid
Analysis Batch: 88942

Client Sample ID: Method Blank
Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00	U	5.00		mg/Kg			08/20/24 15:41	1	

Lab Sample ID: LCS 880-88940/2-A
Matrix: Solid
Analysis Batch: 88942

Client Sample ID: Lab Control Sample
Prep Type: Soluble

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	237.9		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-88940/3-A
Matrix: Solid
Analysis Batch: 88942

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

	Spike	LCSD	LCSD					%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	238.0		mg/Kg		95	90 - 110	0	20	

Lab Sample ID: 880-47469-35 MS
Matrix: Solid
Analysis Batch: 88942

Client Sample ID: HA-8
Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	10800	F1	12500	26630	F1	mg/Kg		127	90 - 110	

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-47469-35 MSD

Matrix: Solid

Analysis Batch: 88942

Client Sample ID: HA-8

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10800	F1	12500	26680	F1	mg/Kg		128	90 - 110	0	20

Lab Sample ID: MB 880-88941/1-A

Matrix: Solid

Analysis Batch: 88946

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.00	U	1.00		mg/Kg			08/20/24 21:09	1

Lab Sample ID: LCS 880-88941/2-A

Matrix: Solid

Analysis Batch: 88946

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	46.43		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-88941/3-A

Matrix: Solid

Analysis Batch: 88946

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	50.0	46.45		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 880-47469-1 MS

Matrix: Solid

Analysis Batch: 88946

Client Sample ID: HA-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	9.62		251	279.1		mg/Kg		108	90 - 110

Lab Sample ID: 880-47469-1 MSD

Matrix: Solid

Analysis Batch: 88946

Client Sample ID: HA-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	9.62		251	276.9		mg/Kg		107	90 - 110	1	20

Lab Sample ID: 880-47469-15 MS

Matrix: Solid

Analysis Batch: 88946

Client Sample ID: HA-4

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1160	F1	1010	2597	F1	mg/Kg		143	90 - 110

Lab Sample ID: 880-47469-15 MSD

Matrix: Solid

Analysis Batch: 88946

Client Sample ID: HA-4

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1160	F1	1010	2620	F1	mg/Kg		145	90 - 110	1	20

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

GC VOA

Analysis Batch: 88897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47469-1	HA-1	Total/NA	Solid	8021B	88899
880-47469-6	HA-2	Total/NA	Solid	8021B	88899
880-47469-10	HA-3	Total/NA	Solid	8021B	88899
880-47469-15	HA-4	Total/NA	Solid	8021B	88899
880-47469-20	HA-5	Total/NA	Solid	8021B	88899
880-47469-25	HA-6	Total/NA	Solid	8021B	88899
880-47469-30	HA-7	Total/NA	Solid	8021B	88899
880-47469-35	HA-8	Total/NA	Solid	8021B	88899
880-47469-40	HA-9	Total/NA	Solid	8021B	88899
880-47469-45	P-1	Total/NA	Solid	8021B	88899
880-47469-46	P-2	Total/NA	Solid	8021B	88899
880-47469-47	P-3	Total/NA	Solid	8021B	88958
880-47469-48	P-4	Total/NA	Solid	8021B	88958
MB 880-88899/5-A	Method Blank	Total/NA	Solid	8021B	88899
MB 880-88958/5-A	Method Blank	Total/NA	Solid	8021B	88958
LCS 880-88899/1-A	Lab Control Sample	Total/NA	Solid	8021B	88899
LCS 880-88958/1-A	Lab Control Sample	Total/NA	Solid	8021B	88958
LCSD 880-88899/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	88899
LCSD 880-88958/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	88958
880-47469-47 MS	P-3	Total/NA	Solid	8021B	88958
880-47469-47 MSD	P-3	Total/NA	Solid	8021B	88958

Prep Batch: 88899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47469-1	HA-1	Total/NA	Solid	5035	
880-47469-6	HA-2	Total/NA	Solid	5035	
880-47469-10	HA-3	Total/NA	Solid	5035	
880-47469-15	HA-4	Total/NA	Solid	5035	
880-47469-20	HA-5	Total/NA	Solid	5035	
880-47469-25	HA-6	Total/NA	Solid	5035	
880-47469-30	HA-7	Total/NA	Solid	5035	
880-47469-35	HA-8	Total/NA	Solid	5035	
880-47469-40	HA-9	Total/NA	Solid	5035	
880-47469-45	P-1	Total/NA	Solid	5035	
880-47469-46	P-2	Total/NA	Solid	5035	
MB 880-88899/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-88899/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-88899/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 88958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47469-47	P-3	Total/NA	Solid	5035	
880-47469-48	P-4	Total/NA	Solid	5035	
MB 880-88958/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-88958/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-88958/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-47469-47 MS	P-3	Total/NA	Solid	5035	
880-47469-47 MSD	P-3	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

GC VOA

Analysis Batch: 89088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47469-1	HA-1	Total/NA	Solid	Total BTEX	
880-47469-6	HA-2	Total/NA	Solid	Total BTEX	
880-47469-10	HA-3	Total/NA	Solid	Total BTEX	
880-47469-15	HA-4	Total/NA	Solid	Total BTEX	
880-47469-20	HA-5	Total/NA	Solid	Total BTEX	
880-47469-25	HA-6	Total/NA	Solid	Total BTEX	
880-47469-30	HA-7	Total/NA	Solid	Total BTEX	
880-47469-35	HA-8	Total/NA	Solid	Total BTEX	
880-47469-40	HA-9	Total/NA	Solid	Total BTEX	
880-47469-45	P-1	Total/NA	Solid	Total BTEX	
880-47469-46	P-2	Total/NA	Solid	Total BTEX	
880-47469-47	P-3	Total/NA	Solid	Total BTEX	
880-47469-48	P-4	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 88795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47469-1	HA-1	Total/NA	Solid	8015NM Prep	
880-47469-6	HA-2	Total/NA	Solid	8015NM Prep	
880-47469-10	HA-3	Total/NA	Solid	8015NM Prep	
880-47469-15	HA-4	Total/NA	Solid	8015NM Prep	
880-47469-20	HA-5	Total/NA	Solid	8015NM Prep	
880-47469-25	HA-6	Total/NA	Solid	8015NM Prep	
880-47469-30	HA-7	Total/NA	Solid	8015NM Prep	
MB 880-88795/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-88795/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-88795/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-47428-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-47428-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 88796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47469-35	HA-8	Total/NA	Solid	8015NM Prep	
880-47469-40	HA-9	Total/NA	Solid	8015NM Prep	
880-47469-45	P-1	Total/NA	Solid	8015NM Prep	
880-47469-46	P-2	Total/NA	Solid	8015NM Prep	
880-47469-47	P-3	Total/NA	Solid	8015NM Prep	
880-47469-48	P-4	Total/NA	Solid	8015NM Prep	
MB 880-88796/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-88796/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-88796/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-47416-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	
880-47416-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	

Analysis Batch: 88918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47469-1	HA-1	Total/NA	Solid	8015B NM	88795
880-47469-6	HA-2	Total/NA	Solid	8015B NM	88795
880-47469-10	HA-3	Total/NA	Solid	8015B NM	88795
880-47469-15	HA-4	Total/NA	Solid	8015B NM	88795

Eurofins Midland

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

GC Semi VOA (Continued)

Analysis Batch: 88918 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47469-20	HA-5	Total/NA	Solid	8015B NM	88795
880-47469-25	HA-6	Total/NA	Solid	8015B NM	88795
880-47469-30	HA-7	Total/NA	Solid	8015B NM	88795
MB 880-88795/1-A	Method Blank	Total/NA	Solid	8015B NM	88795
LCS 880-88795/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	88795
LCSD 880-88795/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	88795
880-47428-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	88795
880-47428-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	88795

Analysis Batch: 88921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47469-35	HA-8	Total/NA	Solid	8015B NM	88796
880-47469-40	HA-9	Total/NA	Solid	8015B NM	88796
880-47469-45	P-1	Total/NA	Solid	8015B NM	88796
880-47469-46	P-2	Total/NA	Solid	8015B NM	88796
880-47469-47	P-3	Total/NA	Solid	8015B NM	88796
880-47469-48	P-4	Total/NA	Solid	8015B NM	88796
MB 880-88796/1-A	Method Blank	Total/NA	Solid	8015B NM	88796
LCS 880-88796/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	88796
LCSD 880-88796/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	88796
880-47416-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	88796
880-47416-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	88796

Analysis Batch: 89082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47469-1	HA-1	Total/NA	Solid	8015 NM	
880-47469-6	HA-2	Total/NA	Solid	8015 NM	
880-47469-10	HA-3	Total/NA	Solid	8015 NM	
880-47469-15	HA-4	Total/NA	Solid	8015 NM	
880-47469-20	HA-5	Total/NA	Solid	8015 NM	
880-47469-25	HA-6	Total/NA	Solid	8015 NM	
880-47469-30	HA-7	Total/NA	Solid	8015 NM	
880-47469-35	HA-8	Total/NA	Solid	8015 NM	
880-47469-40	HA-9	Total/NA	Solid	8015 NM	
880-47469-45	P-1	Total/NA	Solid	8015 NM	
880-47469-46	P-2	Total/NA	Solid	8015 NM	
880-47469-47	P-3	Total/NA	Solid	8015 NM	
880-47469-48	P-4	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 88940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47469-30	HA-7	Soluble	Solid	DI Leach	
880-47469-31	HA-7	Soluble	Solid	DI Leach	
880-47469-32	HA-7	Soluble	Solid	DI Leach	
880-47469-35	HA-8	Soluble	Solid	DI Leach	
880-47469-36	HA-8	Soluble	Solid	DI Leach	
880-47469-37	HA-8	Soluble	Solid	DI Leach	
880-47469-40	HA-9	Soluble	Solid	DI Leach	
880-47469-41	HA-9	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

HPLC/IC (Continued)

Leach Batch: 88940 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47469-42	HA-9	Soluble	Solid	DI Leach	
880-47469-45	P-1	Soluble	Solid	DI Leach	
880-47469-46	P-2	Soluble	Solid	DI Leach	
880-47469-47	P-3	Soluble	Solid	DI Leach	
880-47469-48	P-4	Soluble	Solid	DI Leach	
MB 880-88940/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-88940/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-88940/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-47469-35 MS	HA-8	Soluble	Solid	DI Leach	
880-47469-35 MSD	HA-8	Soluble	Solid	DI Leach	

Leach Batch: 88941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47469-1	HA-1	Soluble	Solid	DI Leach	
880-47469-2	HA-1	Soluble	Solid	DI Leach	
880-47469-3	HA-1	Soluble	Solid	DI Leach	
880-47469-4	HA-1	Soluble	Solid	DI Leach	
880-47469-6	HA-2	Soluble	Solid	DI Leach	
880-47469-7	HA-2	Soluble	Solid	DI Leach	
880-47469-8	HA-2	Soluble	Solid	DI Leach	
880-47469-10	HA-3	Soluble	Solid	DI Leach	
880-47469-11	HA-3	Soluble	Solid	DI Leach	
880-47469-12	HA-3	Soluble	Solid	DI Leach	
880-47469-15	HA-4	Soluble	Solid	DI Leach	
880-47469-16	HA-4	Soluble	Solid	DI Leach	
880-47469-17	HA-4	Soluble	Solid	DI Leach	
880-47469-20	HA-5	Soluble	Solid	DI Leach	
880-47469-21	HA-5	Soluble	Solid	DI Leach	
880-47469-22	HA-5	Soluble	Solid	DI Leach	
880-47469-25	HA-6	Soluble	Solid	DI Leach	
880-47469-26	HA-6	Soluble	Solid	DI Leach	
880-47469-27	HA-6	Soluble	Solid	DI Leach	
880-47469-28	HA-6	Soluble	Solid	DI Leach	
MB 880-88941/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-88941/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-88941/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-47469-1 MS	HA-1	Soluble	Solid	DI Leach	
880-47469-1 MSD	HA-1	Soluble	Solid	DI Leach	
880-47469-15 MS	HA-4	Soluble	Solid	DI Leach	
880-47469-15 MSD	HA-4	Soluble	Solid	DI Leach	

Analysis Batch: 88942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47469-30	HA-7	Soluble	Solid	300.0	88940
880-47469-31	HA-7	Soluble	Solid	300.0	88940
880-47469-32	HA-7	Soluble	Solid	300.0	88940
880-47469-35	HA-8	Soluble	Solid	300.0	88940
880-47469-36	HA-8	Soluble	Solid	300.0	88940
880-47469-37	HA-8	Soluble	Solid	300.0	88940
880-47469-40	HA-9	Soluble	Solid	300.0	88940
880-47469-41	HA-9	Soluble	Solid	300.0	88940

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

HPLC/IC (Continued)

Analysis Batch: 88942 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47469-42	HA-9	Soluble	Solid	300.0	88940
880-47469-45	P-1	Soluble	Solid	300.0	88940
880-47469-46	P-2	Soluble	Solid	300.0	88940
880-47469-47	P-3	Soluble	Solid	300.0	88940
880-47469-48	P-4	Soluble	Solid	300.0	88940
MB 880-88940/1-A	Method Blank	Soluble	Solid	300.0	88940
LCS 880-88940/2-A	Lab Control Sample	Soluble	Solid	300.0	88940
LCSD 880-88940/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	88940
880-47469-35 MS	HA-8	Soluble	Solid	300.0	88940
880-47469-35 MSD	HA-8	Soluble	Solid	300.0	88940

Analysis Batch: 88946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47469-1	HA-1	Soluble	Solid	300.0	88941
880-47469-2	HA-1	Soluble	Solid	300.0	88941
880-47469-3	HA-1	Soluble	Solid	300.0	88941
880-47469-4	HA-1	Soluble	Solid	300.0	88941
880-47469-6	HA-2	Soluble	Solid	300.0	88941
880-47469-7	HA-2	Soluble	Solid	300.0	88941
880-47469-8	HA-2	Soluble	Solid	300.0	88941
880-47469-10	HA-3	Soluble	Solid	300.0	88941
880-47469-11	HA-3	Soluble	Solid	300.0	88941
880-47469-12	HA-3	Soluble	Solid	300.0	88941
880-47469-15	HA-4	Soluble	Solid	300.0	88941
880-47469-16	HA-4	Soluble	Solid	300.0	88941
880-47469-17	HA-4	Soluble	Solid	300.0	88941
880-47469-20	HA-5	Soluble	Solid	300.0	88941
880-47469-21	HA-5	Soluble	Solid	300.0	88941
880-47469-22	HA-5	Soluble	Solid	300.0	88941
880-47469-25	HA-6	Soluble	Solid	300.0	88941
880-47469-26	HA-6	Soluble	Solid	300.0	88941
880-47469-27	HA-6	Soluble	Solid	300.0	88941
880-47469-28	HA-6	Soluble	Solid	300.0	88941
MB 880-88941/1-A	Method Blank	Soluble	Solid	300.0	88941
LCS 880-88941/2-A	Lab Control Sample	Soluble	Solid	300.0	88941
LCSD 880-88941/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	88941
880-47469-1 MS	HA-1	Soluble	Solid	300.0	88941
880-47469-1 MSD	HA-1	Soluble	Solid	300.0	88941
880-47469-15 MS	HA-4	Soluble	Solid	300.0	88941
880-47469-15 MSD	HA-4	Soluble	Solid	300.0	88941

Eurofins Midland

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

Client Sample ID: HA-1

Lab Sample ID: 880-47469-1

Date Collected: 08/19/24 11:00

Matrix: Solid

Date Received: 08/20/24 12:16

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	88899	08/20/24 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88897	08/20/24 16:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89088	08/20/24 16:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			89082	08/20/24 15:26	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	88795	08/20/24 14:08	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88918	08/20/24 15:26	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	10 mL	88941	08/20/24 13:03	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	88946	08/20/24 21:32	CH	EET MID

Client Sample ID: HA-1

Lab Sample ID: 880-47469-2

Date Collected: 08/19/24 11:02

Matrix: Solid

Date Received: 08/20/24 12:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	10 mL	88941	08/20/24 13:03	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	88946	08/20/24 21:54	CH	EET MID

Client Sample ID: HA-1

Lab Sample ID: 880-47469-3

Date Collected: 08/19/24 11:04

Matrix: Solid

Date Received: 08/20/24 12:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	10 mL	88941	08/20/24 13:03	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	88946	08/20/24 22:01	CH	EET MID

Client Sample ID: HA-1

Lab Sample ID: 880-47469-4

Date Collected: 08/19/24 11:06

Matrix: Solid

Date Received: 08/20/24 12:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	10 mL	88941	08/20/24 13:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	88946	08/20/24 22:08	CH	EET MID

Client Sample ID: HA-2

Lab Sample ID: 880-47469-6

Date Collected: 08/19/24 11:10

Matrix: Solid

Date Received: 08/20/24 12:16

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	88899	08/20/24 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88897	08/20/24 16:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89088	08/20/24 16:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			89082	08/20/24 15:44	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	88795	08/20/24 14:08	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88918	08/20/24 15:44	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

Client Sample ID: HA-2
Date Collected: 08/19/24 11:10
Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	10 mL	88941	08/20/24 13:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	88946	08/20/24 22:16	CH	EET MID

Client Sample ID: HA-2
Date Collected: 08/19/24 11:12
Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	10 mL	88941	08/20/24 13:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	88946	08/20/24 22:38	CH	EET MID

Client Sample ID: HA-2
Date Collected: 08/19/24 11:14
Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-8
Matrix: Solid

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	10 mL	88941	08/20/24 13:03	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	88946	08/20/24 22:45	CH	EET MID

Client Sample ID: HA-3
Date Collected: 08/19/24 11:20
Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-10
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			4.97 g	5 mL	88899	08/20/24 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88897	08/20/24 18:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89088	08/20/24 18:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			89082	08/20/24 16:19	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	88795	08/20/24 14:08	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88918	08/20/24 16:19	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	10 mL	88941	08/20/24 13:03	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	88946	08/20/24 22:53	CH	EET MID

Client Sample ID: HA-3
Date Collected: 08/19/24 11:22
Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	10 mL	88941	08/20/24 13:03	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	88946	08/20/24 23:00	CH	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

Client Sample ID: HA-3
Date Collected: 08/19/24 11:24
Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	10 mL	88941	08/20/24 13:03	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	88946	08/20/24 23:08	CH	EET MID

Client Sample ID: HA-4
Date Collected: 08/19/24 11:30
Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-15
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	88899	08/20/24 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88897	08/20/24 18:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89088	08/20/24 18:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			89082	08/20/24 16:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	88795	08/20/24 14:08	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88918	08/20/24 16:36	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	10 mL	88941	08/20/24 13:03	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	88946	08/20/24 23:15	CH	EET MID

Client Sample ID: HA-4
Date Collected: 08/19/24 11:32
Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	10 mL	88941	08/20/24 13:03	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	88946	08/20/24 23:37	CH	EET MID

Client Sample ID: HA-4
Date Collected: 08/19/24 11:34
Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	10 mL	88941	08/20/24 13:03	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	88946	08/20/24 23:44	CH	EET MID

Client Sample ID: HA-5
Date Collected: 08/19/24 11:40
Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-20
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			5.03 g	5 mL	88899	08/20/24 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88897	08/20/24 18:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89088	08/20/24 18:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			89082	08/20/24 16:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	88795	08/20/24 14:08	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88918	08/20/24 16:54	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

Client Sample ID: HA-5

Date Collected: 08/19/24 11:40

Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	10 mL	88941	08/20/24 13:03	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	88946	08/21/24 00:07	CH	EET MID

Client Sample ID: HA-5

Date Collected: 08/19/24 11:42

Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	10 mL	88941	08/20/24 13:03	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	88946	08/21/24 00:14	CH	EET MID

Client Sample ID: HA-5

Date Collected: 08/19/24 11:44

Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-22

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	10 mL	88941	08/20/24 13:03	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	88946	08/21/24 00:21	CH	EET MID

Client Sample ID: HA-6

Date Collected: 08/19/24 11:50

Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-25

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	88899	08/20/24 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88897	08/20/24 19:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89088	08/20/24 19:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			89082	08/20/24 17:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	88795	08/20/24 14:08	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88918	08/20/24 17:11	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	10 mL	88941	08/20/24 13:03	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	88946	08/21/24 00:29	CH	EET MID

Client Sample ID: HA-6

Date Collected: 08/19/24 11:52

Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-26

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	10 mL	88941	08/20/24 13:03	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	88946	08/21/24 00:36	CH	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

Client Sample ID: HA-6

Date Collected: 08/19/24 11:54

Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	10 mL	88941	08/20/24 13:03	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	88946	08/21/24 00:44	CH	EET MID

Client Sample ID: HA-6

Date Collected: 08/19/24 11:56

Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-28

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	10 mL	88941	08/20/24 13:03	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	88946	08/21/24 00:51	CH	EET MID

Client Sample ID: HA-7

Date Collected: 08/19/24 12:00

Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-30

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	88899	08/20/24 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88897	08/20/24 19:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89088	08/20/24 19:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			89082	08/20/24 17:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	88795	08/20/24 14:08	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88918	08/20/24 17:29	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	88940	08/20/24 13:00	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	88942	08/20/24 17:06	CH	EET MID

Client Sample ID: HA-7

Date Collected: 08/19/24 12:02

Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-31

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	88940	08/20/24 13:00	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	88942	08/20/24 17:12	CH	EET MID

Client Sample ID: HA-7

Date Collected: 08/19/24 12:04

Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-32

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	88940	08/20/24 13:00	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	88942	08/20/24 17:18	CH	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

Client Sample ID: HA-8
Date Collected: 08/19/24 12:10
Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-35
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			5.03 g	5 mL	88899	08/20/24 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88897	08/20/24 19:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89088	08/20/24 19:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			89082	08/20/24 15:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	88796	08/20/24 14:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88921	08/20/24 15:26	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	88940	08/20/24 13:00	SA	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	88942	08/20/24 17:24	CH	EET MID

Client Sample ID: HA-8
Date Collected: 08/19/24 12:12
Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-36
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	88940	08/20/24 13:00	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	88942	08/20/24 17:42	CH	EET MID

Client Sample ID: HA-8
Date Collected: 08/19/24 12:14
Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	88940	08/20/24 13:00	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	88942	08/20/24 17:48	CH	EET MID

Client Sample ID: HA-9
Date Collected: 08/19/24 12:20
Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-40
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			4.99 g	5 mL	88899	08/20/24 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88897	08/20/24 20:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89088	08/20/24 20:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			89082	08/20/24 15:44	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	88796	08/20/24 14:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88921	08/20/24 15:44	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	88940	08/20/24 13:00	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	88942	08/20/24 18:07	CH	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

Client Sample ID: HA-9
Date Collected: 08/19/24 12:22
Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-41
Matrix: Solid

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	88940	08/20/24 13:00	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	88942	08/20/24 18:13	CH	EET MID

Client Sample ID: HA-9
Date Collected: 08/19/24 12:24
Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-42
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	88940	08/20/24 13:00	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	88942	08/20/24 18:19	CH	EET MID

Client Sample ID: P-1
Date Collected: 08/19/24 12:30
Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-45
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	88899	08/20/24 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88897	08/20/24 20:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89088	08/20/24 20:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			89082	08/20/24 16:19	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	88796	08/20/24 14:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88921	08/20/24 16:19	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	88940	08/20/24 13:00	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	88942	08/20/24 18:25	CH	EET MID

Client Sample ID: P-2
Date Collected: 08/19/24 12:32
Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-46
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			5.05 g	5 mL	88899	08/20/24 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88897	08/20/24 20:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89088	08/20/24 20:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			89082	08/20/24 16:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	88796	08/20/24 14:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88921	08/20/24 16:36	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	88940	08/20/24 13:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	88942	08/20/24 18:31	CH	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

Client Sample ID: P-3
Date Collected: 08/19/24 12:34
Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-47
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	88958	08/20/24 14:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88897	08/21/24 00:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89088	08/21/24 00:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			89082	08/20/24 16:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	88796	08/20/24 14:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88921	08/20/24 16:54	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	88940	08/20/24 13:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	88942	08/20/24 18:37	CH	EET MID

Client Sample ID: P-4
Date Collected: 08/19/24 12:36
Date Received: 08/20/24 12:16

Lab Sample ID: 880-47469-48
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	88958	08/20/24 14:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88897	08/21/24 00:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89088	08/21/24 00:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			89082	08/20/24 17:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	88796	08/20/24 14:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88921	08/20/24 17:11	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	88940	08/20/24 13:00	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	88942	08/20/24 18:43	CH	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

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	06-30-25
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: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 880-47469-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-47469-1	HA-1	Solid	08/19/24 11:00	08/20/24 12:16	0-0.5
880-47469-2	HA-1	Solid	08/19/24 11:02	08/20/24 12:16	0.5-1
880-47469-3	HA-1	Solid	08/19/24 11:04	08/20/24 12:16	1.5-2
880-47469-4	HA-1	Solid	08/19/24 11:06	08/20/24 12:16	2.5-3
880-47469-6	HA-2	Solid	08/19/24 11:10	08/20/24 12:16	0-0.5
880-47469-7	HA-2	Solid	08/19/24 11:12	08/20/24 12:16	0.5-1
880-47469-8	HA-2	Solid	08/19/24 11:14	08/20/24 12:16	1.5-2
880-47469-10	HA-3	Solid	08/19/24 11:20	08/20/24 12:16	0-0.5
880-47469-11	HA-3	Solid	08/19/24 11:22	08/20/24 12:16	0.5-1
880-47469-12	HA-3	Solid	08/19/24 11:24	08/20/24 12:16	1.5-2
880-47469-15	HA-4	Solid	08/19/24 11:30	08/20/24 12:16	0-0.5
880-47469-16	HA-4	Solid	08/19/24 11:32	08/20/24 12:16	0.5-1
880-47469-17	HA-4	Solid	08/19/24 11:34	08/20/24 12:16	1.5-2
880-47469-20	HA-5	Solid	08/19/24 11:40	08/20/24 12:16	0-0.5
880-47469-21	HA-5	Solid	08/19/24 11:42	08/20/24 12:16	0.5-1
880-47469-22	HA-5	Solid	08/19/24 11:44	08/20/24 12:16	1.5-2
880-47469-25	HA-6	Solid	08/19/24 11:50	08/20/24 12:16	0-0.5
880-47469-26	HA-6	Solid	08/19/24 11:52	08/20/24 12:16	0.5-1
880-47469-27	HA-6	Solid	08/19/24 11:54	08/20/24 12:16	1.5-2
880-47469-28	HA-6	Solid	08/19/24 11:56	08/20/24 12:16	2.5-3
880-47469-30	HA-7	Solid	08/19/24 12:00	08/20/24 12:16	0-0.5
880-47469-31	HA-7	Solid	08/19/24 12:02	08/20/24 12:16	0.5-1
880-47469-32	HA-7	Solid	08/19/24 12:04	08/20/24 12:16	1.5-2
880-47469-35	HA-8	Solid	08/19/24 12:10	08/20/24 12:16	0-0.5
880-47469-36	HA-8	Solid	08/19/24 12:12	08/20/24 12:16	0.5-1
880-47469-37	HA-8	Solid	08/19/24 12:14	08/20/24 12:16	1.5-2
880-47469-40	HA-9	Solid	08/19/24 12:20	08/20/24 12:16	0-0.5
880-47469-41	HA-9	Solid	08/19/24 12:22	08/20/24 12:16	0.5-1
880-47469-42	HA-9	Solid	08/19/24 12:24	08/20/24 12:16	1.5-2
880-47469-45	P-1	Solid	08/19/24 12:30	08/20/24 12:16	0-0.5
880-47469-46	P-2	Solid	08/19/24 12:32	08/20/24 12:16	0-0.5
880-47469-47	P-3	Solid	08/19/24 12:34	08/20/24 12:16	0-0.5
880-47469-48	P-4	Solid	08/19/24 12:36	08/20/24 12:16	0-0.5



Environment Testing
Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

W 880-47469 Chain of Custody



www.xenco.com Page 1 of 6

Project Manager:	Ellis Pierce	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	5114 West County Road 128	Address:	
City, State ZIP:	Midland TX 79705	City, State ZIP:	
Phone:	432-894-6385	Email:	miones@earthsys.net

Work Order Comments	
Program: UST/PST ☐ PRR ☐ Brownfield ☐ RRD ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	Chicken Noodle Federal Com CTB	Turn Around	Pres. Code	ANALYSIS REQUEST										Preservative Codes				
Project Number:	2402	☐ Routine ☒ Rush														None: NO	DI Water: H ₂ O	
Project Location:		Due Date:	2-Day													Cool: Cool	MeOH: Me	
Sampler's Name:	Kyle Kincaid & Joey Pinson	TAT starts the day received by the lab, if received by 4:30pm															HCL: HCL	HNO ₃ : HN
PO #:																H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT	Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐													H ₃ PO ₄ : HP	
Samples Received Intact:	Yes ☒ No ☐	Thermometer ID:															NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:															Na ₂ S ₂ O ₅ : NaSO ₃	
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading:															Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:															NaOH+Ascorbic Acid: SAPC	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Chlorides	TPH 8015	BTEX	Hold									Sample Comments
HA-1	S	8/19/2024	11:00	0 - 0.5	Grab	1	X	X	X										
HA-1	S	8/19/2024	11:02	0.5 - 1	Grab	1	X												
HA-1	S	8/19/2024	11:04	1.5 - 2	Grab	1	X												
HA-1	S	8/19/2024	11:06	2.5 - 3	Grab	1	X												
HA-1	S	8/19/2024	11:10	3.5 - 4	Grab	1				X									
HA-2	S	8/19/2024	11:10	0 - 0.5	Grab	1	X	X	X										
HA-2	S	8/19/2024	11:12	0.5 - 1	Grab	1	X												
HA-2	S	8/19/2024	11:14	1.5 - 2	Grab	1	X												
HA-2	S	8/19/2024	11:16	2.5 - 3	Grab	1				X									

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 Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins 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 Eurofins Xenco. A minimum charge of \$65.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins 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
		8-20-24			
		1216			



Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 502-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 2 of 6

Project Manager:	Ellis Pierce	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	5114 West County Road 128	Address:	
City, State ZIP:	Midland TX 79705	City, State ZIP:	
Phone:	432-894-6385	Email:	mjohnes@earthsys.net

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRD ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	Chicken Noodle Federal Com CTB	Turn Around	Pres. Code	ANALYSIS REQUEST										Preservative Codes				
Project Number:	2402	☐ Routine ☒ Rush														None: NO	DI Water: H ₂ O	
Project Location:		Due Date:	2-Day													Cool: Cool	MeOH: Me	
Sample's Name:	Kyle Kincaid & Joey Pinson	TAT starts the day received by the lab, if received by 4:30pm															HCL: HC	HNO ₃ : HN
PO #:																H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT	Temp Blank:	Yes	No	Wet Ice:	Yes	No											H ₃ PO ₄ : HP	
Samples Received Intact:	Yes	No	Thermometer ID:													NaHSO ₄ : NABIS		
Cooler Custody Seals:	Yes	No	Correction Factor:													Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:	Yes	No	Temperature Reading:													Zn Acetate+NaOH: Zn		
Total Containers:			Corrected Temperature:													NaOH+Ascorbic Acid: SABC		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Chlorides	TPH 8015	BTEX	Hold									Sample Comments
HA-3	S	8/19/2024	11:20	0 - 0.5	Grab	1	X	X	X										
HA-3	S	8/19/2024	11:22	0.5 - 1	Grab	1	X												
HA-3	S	8/19/2024	11:24	1.5 - 2	Grab	1	X												
HA-3	S	8/19/2024	11:26	2.5 - 3	Grab	1				X									
HA-3	S	8/19/2024	11:28	3.5 - 4	Grab	1					X								
HA-4	S	8/19/2024	11:30	0 - 0.5	Grab	1	X	X	X										
HA-4	S	8/19/2024	11:32	0.5 - 1	Grab	1	X												
HA-4	S	8/19/2024	11:34	1.5 - 2	Grab	1	X												
HA-4	S	8/19/2024	11:36	2.5 - 3	Grab	1				X									

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 Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins 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 Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins 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
0		2			
3		4			
5		6			



Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

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Project Manager:	Ellis Pierce	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	5114 West County Road 128	Address:	
City, State ZIP:	Midland TX 79705	City, State ZIP:	
Phone:	432-894-6385	Email:	miones@earthsys.net

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRD ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level N ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	Chicken Noodle Federal Com CTB	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	2402	☐ Routine ☒ Rush														None: NO	DI Water: H ₂ O	
Project Location:		Due Date:	2-Day													Cool: Cool	MeOH: Me	
Sampler's Name:	Kyle Kincaid & Joey Pinson	TAT starts the day received by the lab, if received by 4:30pm															HCL: HC	HNO ₃ : HN
PO #:																H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT	Temp Blank:	Yes	No	Wet Ice:	Yes	No											H ₃ PO ₄ : HP	
Samples Received Intact:	Yes	No	Thermometer ID:													NaHSO ₄ : NABIS		
Cooler Custody Seals:	Yes	No	Correction Factor:													Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:	Yes	No	Temperature Reading:													Zn Acetate+NaOH: Zn		
Total Containers:			Corrected Temperature:													NaOH+Ascorbic Acid: SAPC		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Chlorides	TPH 8015	BTEX	Hold								Sample Comments
HA-4	S	8/19/2024	11:38	3.5 - 4	Grab	1				X								
HA-5	S	8/19/2024	11:40	0 - 0.5	Grab	1	X	X										
HA-5	S	8/19/2024	11:42	0.5 - 1	Grab	1	X											
HA-5	S	8/19/2024	11:44	1.5 - 2	Grab	1	X											
HA-5	S	8/19/2024	11:46	2.5 - 3	Grab	1				X								
HA-5	S	8/19/2024	11:48	3.5 - 4	Grab	1				X								
HA-6	S	8/19/2024	11:50	0 - 0.5	Grab	1	X	X										
HA-6	S	8/19/2024	11:52	0.5 - 1	Grab	1	X											
HA-6	S	8/19/2024	11:54	1.5 - 2	Grab	1	X											

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 Ti Sn U V Zn
Hg: 1631 / 245.1 / 7470 / 7471

Circle Method(s) and Metal(s) to be analyzed

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0		2			
3		4			
5		6			



Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

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Project Manager:	Ellis Pierce	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	5114 West County Road 128	Address:	
City, State ZIP:	Midland TX 79705	City, State ZIP:	
Phone:	432-894-6385	Email:	miones@earthsys.net

Work Order Comments	
Program: UST/PST ☐ PRR ☐ Brownfield ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	Chicken Noodle Federal Com CTB	Turn Around	Pres. Code	ANALYSIS REQUEST										Preservative Codes		
Project Number:	2402	☐ Routine ☒ Rush												None: NO	DI Water: H ₂ O	
Project Location:		Due Date:	2-Day											Cool: Cool	MeOH: Me	
Sample's Name:	Kyle Kincaid & Joey Pinson	TAT starts the day received by the lab, if received by 4:30pm												HCL: HC	HNO ₃ : HN	
PO #:														H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT	Temp Blank:	Yes	No	Wet Ice:	Yes	No									H ₃ PO ₄ : HP	
Samples Received Intact:	Yes	No	Thermometer ID:									NaHSO ₄ : NABIS				
Cooler Custody Seals:	Yes	No	Correction Factor:									Na ₂ S ₂ O ₃ : NaSO ₃				
Sample Custody Seals:	Yes	No	Temperature Reading:									Zn Acetate+NaOH: Zn				
Total Containers:		Corrected Temperature:										NaOH+Ascorbic Acid: SAPC				

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Chlorides	TPH 8015	BTEX	Hold									Sample Comments
HA-6	S	8/19/2024	11:56	2.5 - 3	Grab	1	X												
HA-6	S	8/19/2024	11:58	3.5 - 4	Grab	1				X									
HA-7	S	8/19/2024	12:00	0 - 0.5	Grab	1	X	X											
HA-7	S	8/19/2024	12:02	0.5 - 1	Grab	1	X												
HA-7	S	8/19/2024	12:04	1.5 - 2	Grab	1	X												
HA-7	S	8/19/2024	12:06	2.5 - 3	Grab	1				X									
HA-7	S	8/19/2024	12:07	3.5 - 4	Grab	1					X								
HA-8	S	8/19/2024	12:10	0 - 0.5	Grab	1	X	X											
HA-8	S	8/19/2024	12:12	0.5 - 1	Grab	1	X												

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 Ti Sn U V Zn
Hg: 1631 / 245.1 / 7470 / 7471

Circle Method(s) and Metal(s) to be analyzed

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0		2			
3		4			
5		6			



Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 302-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

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Project Manager:	Ellis Pierce	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	5114 West County Road 128	Address:	
City, State ZIP:	Midland TX 79705	City, State ZIP:	
Phone:	432-894-6385	Email:	miones@earthsys.net

Work Order Comments	
Program: UST/PST ☐ PRF ☐ Brownfield ☐ RRD ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level I ☐	
Deliverables: EDD ☐ ADAPT ☐ Other: _____	

Project Name:	Chicken Noodle Federal Com CTB	Turn Around	Pres. Code	ANALYSIS REQUEST										Preservative Codes	
Project Number:	2402	☐ Routine ☒ Rush												None: NO	DI Water: H ₂ O
Project Location:		Due Date:	2-Day											Cool: Cool	MeOH: Me
Sampler's Name:	Kyle Kincaid & Joey Pinson	TAT starts the day received by the lab, if received by 4:30pm												HCL: HC	HNO ₃ : HN
PO #:														H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes	No	Wet Ice:	Yes	No								H ₃ PO ₄ : HP	
Samples Received Intact:	Yes	No	Thermometer ID:								NaHSO ₄ : NABIS				
Cooler Custody Seals:	Yes	No	Correction Factor:								Na ₂ S ₂ O ₃ : NaSO ₃				
Sample Custody Seals:	Yes	No	Temperature Reading:								Zn Acetate+NaOH: Zn				
Total Containers:		Corrected Temperature:									NaOH+Ascorbic Acid: SABC				

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Chlorides	TPH 8015	BTEX	Hold										Sample Comments
HA-8	S	8/19/2024	12:14	1.5 - 2	Grab	1	X													
HA-8	S	8/19/2024	12:16	2.5 - 3	Grab	1				X										
HA-8	S	8/19/2024	12:18	3.5 - 4	Grab	1				X										
HA-9	S	8/19/2024	12:20	0 - 0.5	Grab	1	X	X	X											
HA-9	S	8/19/2024	12:22	0.5 - 1	Grab	1	X													
HA-9	S	8/19/2024	12:24	1.5 - 2	Grab	1	X													
HA-9	S	8/19/2024	12:26	2.5 - 3	Grab	1				X										
HA-9	S	8/19/2024	12:28	3.5 - 4	Grab	1				X										
P-1	S	8/19/2024	12:30	0 - 0.5	Grab	1	X	X	X											

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 Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0		2			
3		4			
5		6			



Environment Testing

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No:

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Page 6 of 6

Project Manager:	Ellis Pierce	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	5114 West County Road 128	Address:	
City, State ZIP:	Midland TX 79705	City, State ZIP:	
Phone:	432-894-6385	Email:	mjones@earthsys.net

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRD ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level N ☐	
Deliverables: EDD ☐ Adapt ☐ Other: _____	

[illegible]

Circle Method(s) and Metal(s) to be analyzed	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	SiO ₂	Na	Sr	Ti	Sn	U	V	Zn
Total 200.7 / 6010																																	

Hg: 1631 / 245, 1 / 7470 / 747

Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0 		2			
3		4			
5		6			

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 880-47469-1

SDG Number:

List Source: Eurofins Midland

Login Number: 47469

List Number: 1

Creator: Vasquez, Julisa

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	



Environment Testing

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- 4
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- 7
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- 12
- 13
- 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
4115 South County Road 1297
Odessa, Texas 79765

Generated 10/8/2024 10:34:23 AM

JOB DESCRIPTION

Chicken Noodle Federal COM CTB
2402

JOB NUMBER

890-7192-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220



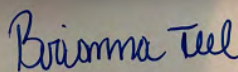
Eurofins Carlsbad

Job Notes

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

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
10/8/2024 10:34:23 AM

Authorized for release by
Brianna Teel, Project Manager
Brianna.Teel@et.eurofinsus.com
(432)704-5440

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Laboratory Job ID: 890-7192-1
SDG: 2402

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
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: Earth Systems Response and Restoration
Project: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1

Job ID: 890-7192-1

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Job Narrative 890-7192-1

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

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

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

Receipt

The samples were received on 10/2/2024 4:07 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 0.8°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS - 1 (890-7192-1), CS - 2 (890-7192-2), CS - 3 (890-7192-3), CS - 4 (890-7192-4), CS - 5 (890-7192-5), CS - 6 (890-7192-6), CS - 7 (890-7192-7), CS - 8 (890-7192-8), CS - 9 (890-7192-9), CS - 10 (890-7192-10), CS - 11 (890-7192-11), CS - 12 (890-7192-12), CS - 13 (890-7192-13), CS - 14 (890-7192-14), CS - 15 (890-7192-15), CS - 16 (890-7192-16), CS - 17 (890-7192-17), CS - 18 (890-7192-18), CS - 19 (890-7192-19), CS - 20 (890-7192-20), CS - 21 (890-7192-21), CS - 22 (890-7192-22), CS - 23 (890-7192-23), CS - 24 (890-7192-24), CS - 25 (890-7192-25), CS - 26 (890-7192-26), CS - 27 (890-7192-27), CS - 28 (890-7192-28), CS - 29 (890-7192-29), CS - 30 (890-7192-30), CS - 31 (890-7192-31), CS - 32 (890-7192-32), CS - 33 (890-7192-33) and CS - 34 (890-7192-34).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-92484 and analytical batch 880-92639 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-92485 and analytical batch 880-92639 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-92450 and 880-92451 and analytical batch 880-92613 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike (MS) recoveries for preparation batch 880-92450 and 880-92451 and analytical batch 880-92613 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCSD) recovery and MSD recovery was within acceptance limits.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-92450 and 880-92451 and analytical batch 880-92613 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike duplicate (MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: CS - 3 (890-7192-3), (LCS 880-92450/2-A), (LCS 880-92451/2-A), (LCSD 880-92450/3-A), (LCSD 880-92451/3-A) and (890-7180-A-6-B MS). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-92452 and analytical batch

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Case Narrative

Client: Earth Systems Response and Restoration
Project: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1

Job ID: 890-7192-1 (Continued) Eurofins Carlsbad

880-92616 was outside the upper control limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCSD 880-92452/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-92452 and analytical batch 880-92616 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-92452 and analytical batch 880-92616 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

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

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 1

Lab Sample ID: 890-7192-1

Date Collected: 10/02/24 08:30

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F2 F1	0.00200		mg/Kg		10/03/24 11:36	10/07/24 07:09	1
Toluene	<0.00200	U F2 F1	0.00200		mg/Kg		10/03/24 11:36	10/07/24 07:09	1
Ethylbenzene	<0.00200	U F2 F1	0.00200		mg/Kg		10/03/24 11:36	10/07/24 07:09	1
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.00401		mg/Kg		10/03/24 11:36	10/07/24 07:09	1
o-Xylene	<0.00200	U F2 F1	0.00200		mg/Kg		10/03/24 11:36	10/07/24 07:09	1
Xylenes, Total	<0.00401	U F2 F1	0.00401		mg/Kg		10/03/24 11:36	10/07/24 07:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	10/03/24 11:36	10/07/24 07:09	1
1,4-Difluorobenzene (Surr)	103		70 - 130	10/03/24 11:36	10/07/24 07:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/07/24 07:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/04/24 19:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8		mg/Kg		10/03/24 09:18	10/04/24 19:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		10/03/24 09:18	10/04/24 19:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/03/24 09:18	10/04/24 19:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	10/03/24 09:18	10/04/24 19:55	1
o-Terphenyl	90		70 - 130	10/03/24 09:18	10/04/24 19:55	1

Client Sample ID: CS - 2

Lab Sample ID: 890-7192-2

Date Collected: 10/02/24 08:35

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 07:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 07:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 07:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/03/24 11:36	10/07/24 07:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 07:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/03/24 11:36	10/07/24 07:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	10/03/24 11:36	10/07/24 07:29	1
1,4-Difluorobenzene (Surr)	102		70 - 130	10/03/24 11:36	10/07/24 07:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/07/24 07:29	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 2

Lab Sample ID: 890-7192-2

Date Collected: 10/02/24 08:35

Matrix: Solid

Date Received: 10/02/24 16:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/04/24 20:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9		mg/Kg		10/03/24 09:18	10/04/24 20:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		10/03/24 09:18	10/04/24 20:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/03/24 09:18	10/04/24 20:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				10/03/24 09:18	10/04/24 20:11	1
o-Terphenyl	87		70 - 130				10/03/24 09:18	10/04/24 20:11	1

Client Sample ID: CS - 3

Lab Sample ID: 890-7192-3

Date Collected: 10/02/24 08:40

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 07:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 07:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 07:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/03/24 11:36	10/07/24 07:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 07:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/03/24 11:36	10/07/24 07:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				10/03/24 11:36	10/07/24 07:50	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/03/24 11:36	10/07/24 07:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/07/24 07:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/04/24 20:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U **	49.7		mg/Kg		10/03/24 09:18	10/04/24 20:27	1
Diesel Range Organics (Over C10-C28)	<49.7	U **	49.7		mg/Kg		10/03/24 09:18	10/04/24 20:27	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/03/24 09:18	10/04/24 20:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	226	S1+	70 - 130				10/03/24 09:18	10/04/24 20:27	1
o-Terphenyl	188	S1+	70 - 130				10/03/24 09:18	10/04/24 20:27	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 4

Lab Sample ID: 890-7192-4

Date Collected: 10/02/24 08:45

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 08:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 08:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 08:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/03/24 11:36	10/07/24 08:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 08:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/03/24 11:36	10/07/24 08:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				10/03/24 11:36	10/07/24 08:10	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/03/24 11:36	10/07/24 08:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/07/24 08:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/04/24 20:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8		mg/Kg		10/03/24 09:18	10/04/24 20:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		10/03/24 09:18	10/04/24 20:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/03/24 09:18	10/04/24 20:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				10/03/24 09:18	10/04/24 20:43	1
o-Terphenyl	105		70 - 130				10/03/24 09:18	10/04/24 20:43	1

Client Sample ID: CS - 5

Lab Sample ID: 890-7192-5

Date Collected: 10/02/24 08:50

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 08:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 08:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 08:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/03/24 11:36	10/07/24 08:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 08:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/03/24 11:36	10/07/24 08:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				10/03/24 11:36	10/07/24 08:31	1
1,4-Difluorobenzene (Surr)	103		70 - 130				10/03/24 11:36	10/07/24 08:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/07/24 08:31	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 5

Lab Sample ID: 890-7192-5

Date Collected: 10/02/24 08:50

Matrix: Solid

Date Received: 10/02/24 16:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/04/24 21:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8		mg/Kg		10/03/24 09:18	10/04/24 21:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		10/03/24 09:18	10/04/24 21:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/03/24 09:18	10/04/24 21:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				10/03/24 09:18	10/04/24 21:15	1
o-Terphenyl	82		70 - 130				10/03/24 09:18	10/04/24 21:15	1

Client Sample ID: CS - 6

Lab Sample ID: 890-7192-6

Date Collected: 10/02/24 08:55

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 08:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 08:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 08:51	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/03/24 11:36	10/07/24 08:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 08:51	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/03/24 11:36	10/07/24 08:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				10/03/24 11:36	10/07/24 08:51	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/03/24 11:36	10/07/24 08:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/07/24 08:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/04/24 21:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9		mg/Kg		10/03/24 09:18	10/04/24 21:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		10/03/24 09:18	10/04/24 21:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/03/24 09:18	10/04/24 21:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				10/03/24 09:18	10/04/24 21:31	1
o-Terphenyl	82		70 - 130				10/03/24 09:18	10/04/24 21:31	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 7

Lab Sample ID: 890-7192-7

Date Collected: 10/02/24 08:00

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 09:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 09:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 09:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/03/24 11:36	10/07/24 09:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 09:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/03/24 11:36	10/07/24 09:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				10/03/24 11:36	10/07/24 09:12	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/03/24 11:36	10/07/24 09:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/07/24 09:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			10/04/24 21:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U **	50.3		mg/Kg		10/03/24 09:18	10/04/24 21:47	1
Diesel Range Organics (Over C10-C28)	<50.3	U **	50.3		mg/Kg		10/03/24 09:18	10/04/24 21:47	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		10/03/24 09:18	10/04/24 21:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				10/03/24 09:18	10/04/24 21:47	1
o-Terphenyl	89		70 - 130				10/03/24 09:18	10/04/24 21:47	1

Client Sample ID: CS - 8

Lab Sample ID: 890-7192-8

Date Collected: 10/02/24 08:05

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 09:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 09:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 09:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/03/24 11:36	10/07/24 09:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 09:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/03/24 11:36	10/07/24 09:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				10/03/24 11:36	10/07/24 09:32	1
1,4-Difluorobenzene (Surr)	103		70 - 130				10/03/24 11:36	10/07/24 09:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/07/24 09:32	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 8

Lab Sample ID: 890-7192-8

Date Collected: 10/02/24 08:05

Matrix: Solid

Date Received: 10/02/24 16:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/04/24 22:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0		mg/Kg		10/03/24 09:18	10/04/24 22:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		10/03/24 09:18	10/04/24 22:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/03/24 09:18	10/04/24 22:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				10/03/24 09:18	10/04/24 22:03	1
o-Terphenyl	82		70 - 130				10/03/24 09:18	10/04/24 22:03	1

Client Sample ID: CS - 9

Lab Sample ID: 890-7192-9

Date Collected: 10/02/24 08:10

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 09:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 09:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 09:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/03/24 11:36	10/07/24 09:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 09:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/03/24 11:36	10/07/24 09:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				10/03/24 11:36	10/07/24 09:53	1
1,4-Difluorobenzene (Surr)	103		70 - 130				10/03/24 11:36	10/07/24 09:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/07/24 09:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/04/24 22:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9		mg/Kg		10/03/24 09:18	10/04/24 22:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		10/03/24 09:18	10/04/24 22:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/03/24 09:18	10/04/24 22:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				10/03/24 09:18	10/04/24 22:19	1
o-Terphenyl	83		70 - 130				10/03/24 09:18	10/04/24 22:19	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 10

Lab Sample ID: 890-7192-10

Date Collected: 10/02/24 08:15

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 10:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 10:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 10:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/03/24 11:36	10/07/24 10:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 10:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/03/24 11:36	10/07/24 10:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				10/03/24 11:36	10/07/24 10:13	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/03/24 11:36	10/07/24 10:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/07/24 10:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/04/24 22:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8		mg/Kg		10/03/24 09:18	10/04/24 22:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		10/03/24 09:18	10/04/24 22:35	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/03/24 09:18	10/04/24 22:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				10/03/24 09:18	10/04/24 22:35	1
o-Terphenyl	90		70 - 130				10/03/24 09:18	10/04/24 22:35	1

Client Sample ID: CS - 11

Lab Sample ID: 890-7192-11

Date Collected: 10/02/24 08:20

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 11:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 11:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 11:36	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/03/24 11:36	10/07/24 11:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 11:36	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/03/24 11:36	10/07/24 11:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				10/03/24 11:36	10/07/24 11:36	1
1,4-Difluorobenzene (Surr)	102		70 - 130				10/03/24 11:36	10/07/24 11:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/07/24 11:36	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 11

Lab Sample ID: 890-7192-11

Date Collected: 10/02/24 08:20

Matrix: Solid

Date Received: 10/02/24 16:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/04/24 22:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U **	49.7		mg/Kg		10/03/24 09:18	10/04/24 22:51	1
Diesel Range Organics (Over C10-C28)	<49.7	U **	49.7		mg/Kg		10/03/24 09:18	10/04/24 22:51	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/03/24 09:18	10/04/24 22:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				10/03/24 09:18	10/04/24 22:51	1
o-Terphenyl	88		70 - 130				10/03/24 09:18	10/04/24 22:51	1

Client Sample ID: CS - 12

Lab Sample ID: 890-7192-12

Date Collected: 10/02/24 08:25

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 11:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 11:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 11:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/03/24 11:36	10/07/24 11:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 11:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/03/24 11:36	10/07/24 11:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				10/03/24 11:36	10/07/24 11:57	1
1,4-Difluorobenzene (Surr)	103		70 - 130				10/03/24 11:36	10/07/24 11:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/07/24 11:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/04/24 23:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0		mg/Kg		10/03/24 09:18	10/04/24 23:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		10/03/24 09:18	10/04/24 23:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/03/24 09:18	10/04/24 23:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				10/03/24 09:18	10/04/24 23:08	1
o-Terphenyl	96		70 - 130				10/03/24 09:18	10/04/24 23:08	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 13

Lab Sample ID: 890-7192-13

Date Collected: 10/02/24 08:30

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 12:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 12:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 12:17	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/03/24 11:36	10/07/24 12:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 12:17	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/03/24 11:36	10/07/24 12:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				10/03/24 11:36	10/07/24 12:17	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/03/24 11:36	10/07/24 12:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/07/24 12:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			10/04/24 23:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U **	50.1		mg/Kg		10/03/24 09:18	10/04/24 23:24	1
Diesel Range Organics (Over C10-C28)	<50.1	U **	50.1		mg/Kg		10/03/24 09:18	10/04/24 23:24	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		10/03/24 09:18	10/04/24 23:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				10/03/24 09:18	10/04/24 23:24	1
o-Terphenyl	98		70 - 130				10/03/24 09:18	10/04/24 23:24	1

Client Sample ID: CS - 14

Lab Sample ID: 890-7192-14

Date Collected: 10/02/24 08:30

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 12:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 12:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 12:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/03/24 11:36	10/07/24 12:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 12:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/03/24 11:36	10/07/24 12:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				10/03/24 11:36	10/07/24 12:38	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/03/24 11:36	10/07/24 12:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/07/24 12:38	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 14

Lab Sample ID: 890-7192-14

Date Collected: 10/02/24 08:30

Matrix: Solid

Date Received: 10/02/24 16:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/04/24 23:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8		mg/Kg		10/03/24 09:18	10/04/24 23:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		10/03/24 09:18	10/04/24 23:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/03/24 09:18	10/04/24 23:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				10/03/24 09:18	10/04/24 23:40	1
o-Terphenyl	92		70 - 130				10/03/24 09:18	10/04/24 23:40	1

Client Sample ID: CS - 15

Lab Sample ID: 890-7192-15

Date Collected: 10/02/24 08:35

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 12:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 12:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 12:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/03/24 11:36	10/07/24 12:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 12:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/03/24 11:36	10/07/24 12:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				10/03/24 11:36	10/07/24 12:58	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/03/24 11:36	10/07/24 12:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/07/24 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/05/24 01:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U **	49.7		mg/Kg		10/03/24 09:22	10/05/24 01:49	1
Diesel Range Organics (Over C10-C28)	<49.7	U **	49.7		mg/Kg		10/03/24 09:22	10/05/24 01:49	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/03/24 09:22	10/05/24 01:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				10/03/24 09:22	10/05/24 01:49	1
o-Terphenyl	87		70 - 130				10/03/24 09:22	10/05/24 01:49	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 16

Lab Sample ID: 890-7192-16

Date Collected: 10/02/24 08:40

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 13:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 13:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 13:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/03/24 11:36	10/07/24 13:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 13:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/03/24 11:36	10/07/24 13:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				10/03/24 11:36	10/07/24 13:19	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/03/24 11:36	10/07/24 13:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/07/24 13:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/05/24 02:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0		mg/Kg		10/03/24 09:22	10/05/24 02:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		10/03/24 09:22	10/05/24 02:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/03/24 09:22	10/05/24 02:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				10/03/24 09:22	10/05/24 02:39	1
o-Terphenyl	90		70 - 130				10/03/24 09:22	10/05/24 02:39	1

Client Sample ID: CS - 17

Lab Sample ID: 890-7192-17

Date Collected: 10/02/24 08:45

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/03/24 11:36	10/07/24 13:39	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/03/24 11:36	10/07/24 13:39	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/03/24 11:36	10/07/24 13:39	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/03/24 11:36	10/07/24 13:39	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/03/24 11:36	10/07/24 13:39	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/03/24 11:36	10/07/24 13:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				10/03/24 11:36	10/07/24 13:39	1
1,4-Difluorobenzene (Surr)	102		70 - 130				10/03/24 11:36	10/07/24 13:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/07/24 13:39	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 17

Lab Sample ID: 890-7192-17

Date Collected: 10/02/24 08:45

Matrix: Solid

Date Received: 10/02/24 16:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/05/24 02:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9		mg/Kg		10/03/24 09:22	10/05/24 02:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		10/03/24 09:22	10/05/24 02:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/03/24 09:22	10/05/24 02:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				10/03/24 09:22	10/05/24 02:54	1
o-Terphenyl	83		70 - 130				10/03/24 09:22	10/05/24 02:54	1

Client Sample ID: CS - 18

Lab Sample ID: 890-7192-18

Date Collected: 10/02/24 08:50

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 14:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 14:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 14:00	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/03/24 11:36	10/07/24 14:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 14:00	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/03/24 11:36	10/07/24 14:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				10/03/24 11:36	10/07/24 14:00	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/03/24 11:36	10/07/24 14:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/07/24 14:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/05/24 03:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9		mg/Kg		10/03/24 09:22	10/05/24 03:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		10/03/24 09:22	10/05/24 03:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/03/24 09:22	10/05/24 03:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				10/03/24 09:22	10/05/24 03:10	1
o-Terphenyl	87		70 - 130				10/03/24 09:22	10/05/24 03:10	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 19

Lab Sample ID: 890-7192-19

Date Collected: 10/02/24 08:55

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 14:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 14:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 14:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/03/24 11:36	10/07/24 14:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:36	10/07/24 14:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/03/24 11:36	10/07/24 14:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				10/03/24 11:36	10/07/24 14:20	1
1,4-Difluorobenzene (Surr)	102		70 - 130				10/03/24 11:36	10/07/24 14:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/07/24 14:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/05/24 03:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0		mg/Kg		10/03/24 09:22	10/05/24 03:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		10/03/24 09:22	10/05/24 03:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/03/24 09:22	10/05/24 03:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				10/03/24 09:22	10/05/24 03:27	1
o-Terphenyl	82		70 - 130				10/03/24 09:22	10/05/24 03:27	1

Client Sample ID: CS - 20

Lab Sample ID: 890-7192-20

Date Collected: 10/02/24 09:00

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/03/24 11:36	10/07/24 14:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/03/24 11:36	10/07/24 14:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/03/24 11:36	10/07/24 14:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/03/24 11:36	10/07/24 14:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/03/24 11:36	10/07/24 14:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/03/24 11:36	10/07/24 14:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				10/03/24 11:36	10/07/24 14:41	1
1,4-Difluorobenzene (Surr)	103		70 - 130				10/03/24 11:36	10/07/24 14:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/07/24 14:41	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 20

Lab Sample ID: 890-7192-20

Date Collected: 10/02/24 09:00

Matrix: Solid

Date Received: 10/02/24 16:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/05/24 03:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8		mg/Kg		10/03/24 09:22	10/05/24 03:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		10/03/24 09:22	10/05/24 03:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/03/24 09:22	10/05/24 03:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				10/03/24 09:22	10/05/24 03:43	1
o-Terphenyl	90		70 - 130				10/03/24 09:22	10/05/24 03:43	1

Client Sample ID: CS - 21

Lab Sample ID: 890-7192-21

Date Collected: 10/02/24 09:05

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		10/03/24 11:41	10/07/24 18:54	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		10/03/24 11:41	10/07/24 18:54	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		10/03/24 11:41	10/07/24 18:54	1
m-Xylene & p-Xylene	<0.00401	U F1 F2	0.00401		mg/Kg		10/03/24 11:41	10/07/24 18:54	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		10/03/24 11:41	10/07/24 18:54	1
Xylenes, Total	<0.00401	U F1	0.00401		mg/Kg		10/03/24 11:41	10/07/24 18:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				10/03/24 11:41	10/07/24 18:54	1
1,4-Difluorobenzene (Surr)	103		70 - 130				10/03/24 11:41	10/07/24 18:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/07/24 18:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/05/24 03:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9		mg/Kg		10/03/24 09:22	10/05/24 03:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		10/03/24 09:22	10/05/24 03:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/03/24 09:22	10/05/24 03:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				10/03/24 09:22	10/05/24 03:59	1
o-Terphenyl	93		70 - 130				10/03/24 09:22	10/05/24 03:59	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 22

Lab Sample ID: 890-7192-22

Date Collected: 10/02/24 09:10

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:41	10/07/24 19:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:41	10/07/24 19:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:41	10/07/24 19:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/03/24 11:41	10/07/24 19:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:41	10/07/24 19:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/03/24 11:41	10/07/24 19:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				10/03/24 11:41	10/07/24 19:15	1
1,4-Difluorobenzene (Surr)	102		70 - 130				10/03/24 11:41	10/07/24 19:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/07/24 19:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			10/05/24 04:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U **	50.1		mg/Kg		10/03/24 09:22	10/05/24 04:14	1
Diesel Range Organics (Over C10-C28)	<50.1	U **	50.1		mg/Kg		10/03/24 09:22	10/05/24 04:14	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		10/03/24 09:22	10/05/24 04:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				10/03/24 09:22	10/05/24 04:14	1
o-Terphenyl	93		70 - 130				10/03/24 09:22	10/05/24 04:14	1

Client Sample ID: CS - 23

Lab Sample ID: 890-7192-23

Date Collected: 10/02/24 09:15

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:41	10/07/24 19:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:41	10/07/24 19:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:41	10/07/24 19:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/03/24 11:41	10/07/24 19:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:41	10/07/24 19:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/03/24 11:41	10/07/24 19:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				10/03/24 11:41	10/07/24 19:35	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/03/24 11:41	10/07/24 19:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/07/24 19:35	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 23

Lab Sample ID: 890-7192-23

Date Collected: 10/02/24 09:15

Matrix: Solid

Date Received: 10/02/24 16:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/05/24 04:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0		mg/Kg		10/03/24 09:22	10/05/24 04:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		10/03/24 09:22	10/05/24 04:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/03/24 09:22	10/05/24 04:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				10/03/24 09:22	10/05/24 04:31	1
o-Terphenyl	86		70 - 130				10/03/24 09:22	10/05/24 04:31	1

Client Sample ID: CS - 24

Lab Sample ID: 890-7192-24

Date Collected: 10/02/24 09:20

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 19:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 19:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 19:56	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/03/24 11:41	10/07/24 19:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 19:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/03/24 11:41	10/07/24 19:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				10/03/24 11:41	10/07/24 19:56	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/03/24 11:41	10/07/24 19:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/07/24 19:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/05/24 04:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8		mg/Kg		10/03/24 09:22	10/05/24 04:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		10/03/24 09:22	10/05/24 04:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/03/24 09:22	10/05/24 04:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				10/03/24 09:22	10/05/24 04:46	1
o-Terphenyl	86		70 - 130				10/03/24 09:22	10/05/24 04:46	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 25

Lab Sample ID: 890-7192-25

Date Collected: 10/02/24 09:25

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 20:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 20:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 20:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/03/24 11:41	10/07/24 20:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 20:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/03/24 11:41	10/07/24 20:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				10/03/24 11:41	10/07/24 20:16	1
1,4-Difluorobenzene (Surr)	103		70 - 130				10/03/24 11:41	10/07/24 20:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/07/24 20:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/05/24 05:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U **	49.7		mg/Kg		10/03/24 09:22	10/05/24 05:18	1
Diesel Range Organics (Over C10-C28)	<49.7	U **	49.7		mg/Kg		10/03/24 09:22	10/05/24 05:18	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/03/24 09:22	10/05/24 05:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				10/03/24 09:22	10/05/24 05:18	1
o-Terphenyl	81		70 - 130				10/03/24 09:22	10/05/24 05:18	1

Client Sample ID: CS - 26

Lab Sample ID: 890-7192-26

Date Collected: 10/02/24 09:30

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 20:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 20:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 20:37	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/03/24 11:41	10/07/24 20:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 20:37	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/03/24 11:41	10/07/24 20:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				10/03/24 11:41	10/07/24 20:37	1
1,4-Difluorobenzene (Surr)	102		70 - 130				10/03/24 11:41	10/07/24 20:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/07/24 20:37	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 26

Lab Sample ID: 890-7192-26

Date Collected: 10/02/24 09:30

Matrix: Solid

Date Received: 10/02/24 16:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/04/24 19:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/03/24 09:27	10/04/24 19:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+ *1	49.8		mg/Kg		10/03/24 09:27	10/04/24 19:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/03/24 09:27	10/04/24 19:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				10/03/24 09:27	10/04/24 19:05	1
o-Terphenyl	116		70 - 130				10/03/24 09:27	10/04/24 19:05	1

Client Sample ID: CS - 27

Lab Sample ID: 890-7192-27

Date Collected: 10/02/24 09:35

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 20:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 20:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 20:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/03/24 11:41	10/07/24 20:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 20:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/03/24 11:41	10/07/24 20:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				10/03/24 11:41	10/07/24 20:57	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/03/24 11:41	10/07/24 20:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/07/24 20:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/04/24 19:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/03/24 09:27	10/04/24 19:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9		mg/Kg		10/03/24 09:27	10/04/24 19:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/03/24 09:27	10/04/24 19:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				10/03/24 09:27	10/04/24 19:22	1
o-Terphenyl	110		70 - 130				10/03/24 09:27	10/04/24 19:22	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 28

Lab Sample ID: 890-7192-28

Date Collected: 10/02/24 09:40

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:41	10/07/24 21:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:41	10/07/24 21:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:41	10/07/24 21:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/03/24 11:41	10/07/24 21:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:41	10/07/24 21:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/03/24 11:41	10/07/24 21:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				10/03/24 11:41	10/07/24 21:18	1
1,4-Difluorobenzene (Surr)	104		70 - 130				10/03/24 11:41	10/07/24 21:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/07/24 21:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/04/24 19:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/03/24 09:27	10/04/24 19:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0		mg/Kg		10/03/24 09:27	10/04/24 19:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/03/24 09:27	10/04/24 19:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				10/03/24 09:27	10/04/24 19:38	1
o-Terphenyl	112		70 - 130				10/03/24 09:27	10/04/24 19:38	1

Client Sample ID: CS - 29

Lab Sample ID: 890-7192-29

Date Collected: 10/02/24 09:45

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:41	10/07/24 21:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:41	10/07/24 21:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:41	10/07/24 21:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/03/24 11:41	10/07/24 21:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:41	10/07/24 21:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/03/24 11:41	10/07/24 21:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				10/03/24 11:41	10/07/24 21:38	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/03/24 11:41	10/07/24 21:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/07/24 21:38	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 29

Lab Sample ID: 890-7192-29

Date Collected: 10/02/24 09:45

Matrix: Solid

Date Received: 10/02/24 16:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/04/24 19:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/03/24 09:27	10/04/24 19:55	1
Diesel Range Organics (Over C10-C28)	<49.7	U *+ *1	49.7		mg/Kg		10/03/24 09:27	10/04/24 19:55	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/03/24 09:27	10/04/24 19:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				10/03/24 09:27	10/04/24 19:55	1
o-Terphenyl	119		70 - 130				10/03/24 09:27	10/04/24 19:55	1

Client Sample ID: CS - 30

Lab Sample ID: 890-7192-30

Date Collected: 10/02/24 09:50

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 21:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 21:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 21:59	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/03/24 11:41	10/07/24 21:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 21:59	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/03/24 11:41	10/07/24 21:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				10/03/24 11:41	10/07/24 21:59	1
1,4-Difluorobenzene (Surr)	103		70 - 130				10/03/24 11:41	10/07/24 21:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/07/24 21:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/04/24 20:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/03/24 09:27	10/04/24 20:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+ *1	49.8		mg/Kg		10/03/24 09:27	10/04/24 20:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/03/24 09:27	10/04/24 20:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				10/03/24 09:27	10/04/24 20:11	1
o-Terphenyl	115		70 - 130				10/03/24 09:27	10/04/24 20:11	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 31

Lab Sample ID: 890-7192-31

Date Collected: 10/02/24 09:55

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 23:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 23:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 23:21	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/03/24 11:41	10/07/24 23:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 23:21	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/03/24 11:41	10/07/24 23:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				10/03/24 11:41	10/07/24 23:21	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/03/24 11:41	10/07/24 23:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/07/24 23:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/04/24 20:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/03/24 09:27	10/04/24 20:27	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+ *1	49.8		mg/Kg		10/03/24 09:27	10/04/24 20:27	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/03/24 09:27	10/04/24 20:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				10/03/24 09:27	10/04/24 20:27	1
o-Terphenyl	115		70 - 130				10/03/24 09:27	10/04/24 20:27	1

Client Sample ID: CS - 32

Lab Sample ID: 890-7192-32

Date Collected: 10/02/24 10:00

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:41	10/07/24 23:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:41	10/07/24 23:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:41	10/07/24 23:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/03/24 11:41	10/07/24 23:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:41	10/07/24 23:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/03/24 11:41	10/07/24 23:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				10/03/24 11:41	10/07/24 23:42	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/03/24 11:41	10/07/24 23:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/07/24 23:42	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 32

Lab Sample ID: 890-7192-32

Date Collected: 10/02/24 10:00

Matrix: Solid

Date Received: 10/02/24 16:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/04/24 20:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/03/24 09:27	10/04/24 20:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0		mg/Kg		10/03/24 09:27	10/04/24 20:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/03/24 09:27	10/04/24 20:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				10/03/24 09:27	10/04/24 20:43	1
o-Terphenyl	109		70 - 130				10/03/24 09:27	10/04/24 20:43	1

Client Sample ID: CS - 33

Lab Sample ID: 890-7192-33

Date Collected: 10/02/24 10:05

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/08/24 00:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/08/24 00:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/08/24 00:02	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/03/24 11:41	10/08/24 00:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/08/24 00:02	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/03/24 11:41	10/08/24 00:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				10/03/24 11:41	10/08/24 00:02	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/03/24 11:41	10/08/24 00:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/08/24 00:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/04/24 21:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/03/24 09:27	10/04/24 21:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9		mg/Kg		10/03/24 09:27	10/04/24 21:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/03/24 09:27	10/04/24 21:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				10/03/24 09:27	10/04/24 21:15	1
o-Terphenyl	109		70 - 130				10/03/24 09:27	10/04/24 21:15	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 34

Lab Sample ID: 890-7192-34

Date Collected: 10/02/24 10:10

Matrix: Solid

Date Received: 10/02/24 16:07

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:41	10/08/24 00:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:41	10/08/24 00:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:41	10/08/24 00:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/03/24 11:41	10/08/24 00:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:41	10/08/24 00:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/03/24 11:41	10/08/24 00:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	10/03/24 11:41	10/08/24 00:23	1
1,4-Difluorobenzene (Surr)	103		70 - 130	10/03/24 11:41	10/08/24 00:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/08/24 00:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/04/24 21:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/03/24 09:27	10/04/24 21:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+ *1	49.8		mg/Kg		10/03/24 09:27	10/04/24 21:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/03/24 09:27	10/04/24 21:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	10/03/24 09:27	10/04/24 21:31	1
o-Terphenyl	102		70 - 130	10/03/24 09:27	10/04/24 21:31	1

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Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
890-7192-1	CS - 1	109	103
890-7192-1 MS	CS - 1	106	104
890-7192-1 MSD	CS - 1	104	101
890-7192-2	CS - 2	106	102
890-7192-3	CS - 3	108	101
890-7192-4	CS - 4	112	101
890-7192-5	CS - 5	106	103
890-7192-6	CS - 6	107	101
890-7192-7	CS - 7	107	100
890-7192-8	CS - 8	107	103
890-7192-9	CS - 9	107	103
890-7192-10	CS - 10	109	101
890-7192-11	CS - 11	109	102
890-7192-12	CS - 12	106	103
890-7192-13	CS - 13	108	101
890-7192-14	CS - 14	105	100
890-7192-15	CS - 15	105	100
890-7192-16	CS - 16	112	101
890-7192-17	CS - 17	107	102
890-7192-18	CS - 18	111	99
890-7192-19	CS - 19	107	102
890-7192-20	CS - 20	102	103
890-7192-21	CS - 21	111	103
890-7192-21 MS	CS - 21	109	100
890-7192-21 MSD	CS - 21	103	103
890-7192-22	CS - 22	109	102
890-7192-23	CS - 23	110	100
890-7192-24	CS - 24	112	101
890-7192-25	CS - 25	104	103
890-7192-26	CS - 26	102	102
890-7192-27	CS - 27	114	100
890-7192-28	CS - 28	106	104
890-7192-29	CS - 29	111	99
890-7192-30	CS - 30	105	103
890-7192-31	CS - 31	109	101
890-7192-32	CS - 32	107	101
890-7192-33	CS - 33	112	99
890-7192-34	CS - 34	112	103
LCS 880-92484/1-A	Lab Control Sample	104	101
LCS 880-92485/1-A	Lab Control Sample	107	100
LCSD 880-92484/2-A	Lab Control Sample Dup	106	102
LCSD 880-92485/2-A	Lab Control Sample Dup	102	101
MB 880-92354/5-A	Method Blank	107	100
MB 880-92484/5-A	Method Blank	103	98
MB 880-92485/5-A	Method Blank	103	99

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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Surrogate Summary

Client: Earth Systems Response and Restoration

Job ID: 890-7192-1

Project/Site: Chicken Noodle Federal COM CTB

SDG: 2402

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)
890-7180-A-6-B MS	Matrix Spike	57 S1-	54 S1-
890-7180-A-6-C MSD	Matrix Spike Duplicate	93	86
890-7192-1	CS - 1	105	90
890-7192-2	CS - 2	102	87
890-7192-3	CS - 3	226 S1+	188 S1+
890-7192-4	CS - 4	126	105
890-7192-5	CS - 5	98	82
890-7192-6	CS - 6	97	82
890-7192-7	CS - 7	106	89
890-7192-8	CS - 8	95	82
890-7192-9	CS - 9	104	83
890-7192-10	CS - 10	109	90
890-7192-11	CS - 11	106	88
890-7192-12	CS - 12	116	96
890-7192-13	CS - 13	117	98
890-7192-14	CS - 14	110	92
890-7192-15	CS - 15	98	87
890-7192-15 MS	CS - 15	117	89
890-7192-15 MSD	CS - 15	94	88
890-7192-16	CS - 16	103	90
890-7192-17	CS - 17	94	83
890-7192-18	CS - 18	107	87
890-7192-19	CS - 19	100	82
890-7192-20	CS - 20	110	90
890-7192-21	CS - 21	114	93
890-7192-22	CS - 22	111	93
890-7192-23	CS - 23	104	86
890-7192-24	CS - 24	102	86
890-7192-25	CS - 25	98	81
890-7192-26	CS - 26	118	116
890-7192-27	CS - 27	117	110
890-7192-28	CS - 28	120	112
890-7192-29	CS - 29	128	119
890-7192-30	CS - 30	125	115
890-7192-31	CS - 31	123	115
890-7192-32	CS - 32	121	109
890-7192-33	CS - 33	121	109
890-7192-34	CS - 34	109	102
890-7193-A-1-B MS	Matrix Spike	112	116
890-7193-A-1-C MSD	Matrix Spike Duplicate	107	110
LCS 880-92450/2-A	Lab Control Sample	172 S1+	158 S1+
LCS 880-92451/2-A	Lab Control Sample	162 S1+	146 S1+
LCS 880-92452/2-A	Lab Control Sample	126	127
LCSD 880-92450/3-A	Lab Control Sample Dup	150 S1+	136 S1+
LCSD 880-92451/3-A	Lab Control Sample Dup	175 S1+	162 S1+
LCSD 880-92452/3-A	Lab Control Sample Dup	165 S1+	166 S1+
MB 880-92450/1-A	Method Blank	133 S1+	164 S1+
MB 880-92451/1-A	Method Blank	139 S1+	173 S1+
MB 880-92452/1-A	Method Blank	169 S1+	158 S1+

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Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

1
2
3
4
5
6
7
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9
10
11
12
13
14

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-92354/5-A

Matrix: Solid

Analysis Batch: 92639

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92354

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:32	10/06/24 20:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:32	10/06/24 20:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:32	10/06/24 20:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/03/24 11:32	10/06/24 20:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:32	10/06/24 20:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/03/24 11:32	10/06/24 20:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	10/03/24 11:32	10/06/24 20:12	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/03/24 11:32	10/06/24 20:12	1

Lab Sample ID: MB 880-92484/5-A

Matrix: Solid

Analysis Batch: 92639

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92484

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 06:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 06:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 06:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/03/24 11:36	10/07/24 06:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 06:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/03/24 11:36	10/07/24 06:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	10/03/24 11:36	10/07/24 06:47	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/03/24 11:36	10/07/24 06:47	1

Lab Sample ID: LCS 880-92484/1-A

Matrix: Solid

Analysis Batch: 92639

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92484

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08734		mg/Kg		87	70 - 130
Toluene	0.100	0.08045		mg/Kg		80	70 - 130
Ethylbenzene	0.100	0.08076		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	0.200	0.1723		mg/Kg		86	70 - 130
o-Xylene	0.100	0.08978		mg/Kg		90	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-92484/2-A

Matrix: Solid

Analysis Batch: 92639

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92484

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08835		mg/Kg		88	70 - 130	1	35

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

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

Lab Sample ID: LCSD 880-92484/2-A

Matrix: Solid

Analysis Batch: 92639

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92484

Analyte	Spike		LCSD	LCSD	Unit	D	%Rec	%Rec		RPD	
	Added	Result	Qualifier	Limit				Limits	RPD	Limit	Limit
Toluene	0.100	0.08182			mg/Kg		82	70 - 130	2	35	
Ethylbenzene	0.100	0.08220			mg/Kg		82	70 - 130	2	35	
m-Xylene & p-Xylene	0.200	0.1766			mg/Kg		88	70 - 130	2	35	
o-Xylene	0.100	0.09091			mg/Kg		91	70 - 130	1	35	
LCSD		LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	106		70 - 130								
1,4-Difluorobenzene (Surr)	102		70 - 130								

Lab Sample ID: 890-7192-1 MS

Matrix: Solid

Analysis Batch: 92639

Client Sample ID: CS - 1

Prep Type: Total/NA

Prep Batch: 92484

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00200	U F2 F1	0.100	0.04192	F1	mg/Kg		42	70 - 130		
Toluene	<0.00200	U F2 F1	0.100	0.02648	F1	mg/Kg		26	70 - 130		
Ethylbenzene	<0.00200	U F2 F1	0.100	0.02577	F1	mg/Kg		26	70 - 130		
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.200	0.05429	F1	mg/Kg		27	70 - 130		
o-Xylene	<0.00200	U F2 F1	0.100	0.02879	F1	mg/Kg		29	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	106		70 - 130								
1,4-Difluorobenzene (Surr)	104		70 - 130								

Lab Sample ID: 890-7192-1 MSD

Matrix: Solid

Analysis Batch: 92639

Client Sample ID: CS - 1

Prep Type: Total/NA

Prep Batch: 92484

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U F2 F1	0.100	0.004929	F2 F1	mg/Kg		5	70 - 130	158	35
Toluene	<0.00200	U F2 F1	0.100	0.01018	F2 F1	mg/Kg		10	70 - 130	89	35
Ethylbenzene	<0.00200	U F2 F1	0.100	0.07266	F2	mg/Kg		73	70 - 130	95	35
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.200	0.1554	F2	mg/Kg		78	70 - 130	96	35
o-Xylene	<0.00200	U F2 F1	0.100	0.06548	F2 F1	mg/Kg		65	70 - 130	78	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	104		70 - 130								
1,4-Difluorobenzene (Surr)	101		70 - 130								

Lab Sample ID: MB 880-92485/5-A

Matrix: Solid

Analysis Batch: 92639

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92485

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 18:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 18:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 18:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/03/24 11:41	10/07/24 18:33	1

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

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

Lab Sample ID: MB 880-92485/5-A

Matrix: Solid

Analysis Batch: 92639

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92485

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 18:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/03/24 11:41	10/07/24 18:33	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	103		70 - 130				10/03/24 11:41	10/07/24 18:33	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/03/24 11:41	10/07/24 18:33	1

Lab Sample ID: LCS 880-92485/1-A

Matrix: Solid

Analysis Batch: 92639

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92485

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits		
		Result	Qualifier						
Benzene	0.100	0.08747		mg/Kg		87	70 - 130		
Toluene	0.100	0.08359		mg/Kg		84	70 - 130		
Ethylbenzene	0.100	0.08283		mg/Kg		83	70 - 130		
m-Xylene & p-Xylene	0.200	0.1775		mg/Kg		89	70 - 130		
o-Xylene	0.100	0.08995		mg/Kg		90	70 - 130		
Surrogate	LCS	LCS	Limits				%Recovery	Qualifier	
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	107		70 - 130						
1,4-Difluorobenzene (Surr)	100		70 - 130						

Lab Sample ID: LCSD 880-92485/2-A

Matrix: Solid

Analysis Batch: 92639

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92485

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
		Result	Qualifier						
Benzene	0.100	0.09106		mg/Kg		91	70 - 130	4	35
Toluene	0.100	0.08613		mg/Kg		86	70 - 130	3	35
Ethylbenzene	0.100	0.08633		mg/Kg		86	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1842		mg/Kg		92	70 - 130	4	35
o-Xylene	0.100	0.09329		mg/Kg		93	70 - 130	4	35
Surrogate	LCSD	LCSD	Limits				%Recovery	Qualifier	
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	102		70 - 130						
1,4-Difluorobenzene (Surr)	101		70 - 130						

Lab Sample ID: 890-7192-21 MS

Matrix: Solid

Analysis Batch: 92639

Client Sample ID: CS - 21

Prep Type: Total/NA

Prep Batch: 92485

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits		
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00200	U F1	0.100	0.05712	F1	mg/Kg		57	70 - 130		
Toluene	<0.00200	U F1	0.100	0.03627	F1	mg/Kg		36	70 - 130		
Ethylbenzene	<0.00200	U F1	0.100	0.02829	F1	mg/Kg		28	70 - 130		
m-Xylene & p-Xylene	<0.00401	U F1 F2	0.200	0.02332	F1	mg/Kg		12	70 - 130		
o-Xylene	<0.00200	U F1	0.100	0.03311	F1	mg/Kg		33	70 - 130		

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

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

Lab Sample ID: 890-7192-21 MS

Matrix: Solid

Analysis Batch: 92639

Client Sample ID: CS - 21

Prep Type: Total/NA

Prep Batch: 92485

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-7192-21 MSD

Matrix: Solid

Analysis Batch: 92639

Client Sample ID: CS - 21

Prep Type: Total/NA

Prep Batch: 92485

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.100	0.05913	F1	mg/Kg		59	70 - 130	3	35
Toluene	<0.00200	U F1	0.100	0.03297	F1	mg/Kg		33	70 - 130	10	35
Ethylbenzene	<0.00200	U F1	0.100	0.02657	F1	mg/Kg		27	70 - 130	6	35
m-Xylene & p-Xylene	<0.00401	U F1 F2	0.200	0.01241	F1 F2	mg/Kg		6	70 - 130	61	35
o-Xylene	<0.00200	U F1	0.100	0.03183	F1	mg/Kg		32	70 - 130	4	35

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

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

Lab Sample ID: MB 880-92450/1-A

Matrix: Solid

Analysis Batch: 92613

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92450

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/03/24 09:17	10/04/24 07:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/03/24 09:17	10/04/24 07:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/03/24 09:17	10/04/24 07:48	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	133	S1+	70 - 130	10/03/24 09:17	10/04/24 07:48	1			
o-Terphenyl	164	S1+	70 - 130	10/03/24 09:17	10/04/24 07:48	1			

Lab Sample ID: LCS 880-92450/2-A

Matrix: Solid

Analysis Batch: 92613

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92450

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1421	*+	mg/Kg		142	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1318	*+	mg/Kg		132	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	172	S1+	70 - 130
o-Terphenyl	158	S1+	70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

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

Lab Sample ID: LCSD 880-92450/3-A

Matrix: Solid

Analysis Batch: 92613

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92450

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1275		mg/Kg		127	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	1000	1158		mg/Kg		116	70 - 130	13	20
		LCSD	LCSD						
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	150	S1+	70 - 130						
o-Terphenyl	136	S1+	70 - 130						

Lab Sample ID: 890-7180-A-6-B MS

Matrix: Solid

Analysis Batch: 92613

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 92450

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2 F1 *	996	514.1	F1	mg/Kg		52	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U F2 F1 *	996	500.1	F1	mg/Kg		50	70 - 130		
		MS	MS								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	57	S1-	70 - 130								
o-Terphenyl	54	S1-	70 - 130								

Lab Sample ID: 890-7180-A-6-C MSD

Matrix: Solid

Analysis Batch: 92613

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 92450

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	<50.0	U F2 F1 *	996	897.2	F2	mg/Kg		90	70 - 130	54	20
Diesel Range Organics (Over C10-C28)	<50.0	U F2 F1 *	996	776.8	F2	mg/Kg		78	70 - 130	43	20
		MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	93		70 - 130								
o-Terphenyl	86		70 - 130								

Lab Sample ID: MB 880-92451/1-A

Matrix: Solid

Analysis Batch: 92613

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92451

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/03/24 09:22	10/05/24 01:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/03/24 09:22	10/05/24 01:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/03/24 09:22	10/05/24 01:00	1

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

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

Lab Sample ID: MB 880-92451/1-A

Matrix: Solid

Analysis Batch: 92613

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92451

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130	10/03/24 09:22	10/05/24 01:00	1
o-Terphenyl	173	S1+	70 - 130	10/03/24 09:22	10/05/24 01:00	1

Lab Sample ID: LCS 880-92451/2-A

Matrix: Solid

Analysis Batch: 92613

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92451

		Spike	LCS	LCS					%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10		1000	1397	*+	mg/Kg		140	70 - 130		
Diesel Range Organics (Over C10-C28)		1000	1199		mg/Kg		120	70 - 130		
Surrogate										
	LCS	LCS								
	%Recovery	Qualifier	Limits							
1-Chlorooctane	162	S1+	70 - 130							
o-Terphenyl	146	S1+	70 - 130							

Lab Sample ID: LCSD 880-92451/3-A

Matrix: Solid

Analysis Batch: 92613

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92451

		Spike	LCSD	LCSD					%Rec		RPD	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits		RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10		1000	1448	*+	mg/Kg		145	70 - 130		4	20	
Diesel Range Organics (Over C10-C28)		1000	1323	*+	mg/Kg		132	70 - 130		10	20	
Surrogate												
	LCSD	LCSD										
	%Recovery	Qualifier	Limits									
1-Chlorooctane	175	S1+	70 - 130									
o-Terphenyl	162	S1+	70 - 130									

Lab Sample ID: 890-7192-15 MS

Matrix: Solid

Analysis Batch: 92613

Client Sample ID: CS - 15

Prep Type: Total/NA

Prep Batch: 92451

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.7	U **	1000	935.1		mg/Kg		94	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.7	U **	1000	709.0		mg/Kg		71	70 - 130	
Surrogate										
	MS	MS								
	%Recovery	Qualifier	Limits							
1-Chlorooctane	117		70 - 130							
o-Terphenyl	89		70 - 130							

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

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

Lab Sample ID: 890-7192-15 MSD

Matrix: Solid

Analysis Batch: 92613

Client Sample ID: CS - 15

Prep Type: Total/NA

Prep Batch: 92451

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	<49.7	U *	1000	933.4		mg/Kg		93	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.7	U *	1000	735.4		mg/Kg		74	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	94		70 - 130								
o-Terphenyl	88		70 - 130								

Lab Sample ID: MB 880-92452/1-A

Matrix: Solid

Analysis Batch: 92616

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92452

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/03/24 09:27	10/04/24 07:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/03/24 09:27	10/04/24 07:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/03/24 09:27	10/04/24 07:48	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	169	S1+	70 - 130				10/03/24 09:27	10/04/24 07:48	1
o-Terphenyl	158	S1+	70 - 130				10/03/24 09:27	10/04/24 07:48	1

Lab Sample ID: LCS 880-92452/2-A

Matrix: Solid

Analysis Batch: 92616

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92452

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	999.0		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1026		mg/Kg		103	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	126		70 - 130						
o-Terphenyl	127		70 - 130						

Lab Sample ID: LCSD 880-92452/3-A

Matrix: Solid

Analysis Batch: 92616

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92452

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1218		mg/Kg		122	70 - 130	20	20
Diesel Range Organics (Over C10-C28)	1000	1348	*+ *1	mg/Kg		135	70 - 130	27	20

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

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

Lab Sample ID: LCSD 880-92452/3-A

Matrix: Solid

Analysis Batch: 92616

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92452

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	165	S1+	70 - 130
o-Terphenyl	166	S1+	70 - 130

Lab Sample ID: 890-7193-A-1-B MS

Matrix: Solid

Analysis Batch: 92616

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 92452

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	998.9		mg/Kg		100	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.8	U ** *1	999	925.7		mg/Kg		93	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	112		70 - 130							
o-Terphenyl	116		70 - 130							

Lab Sample ID: 890-7193-A-1-C MSD

Matrix: Solid

Analysis Batch: 92616

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 92452

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	957.3		mg/Kg		96	70 - 130	4	20	
Diesel Range Organics (Over C10-C28)	<49.8	U ** *1	999	905.4		mg/Kg		91	70 - 130	2	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	107		70 - 130									
o-Terphenyl	110		70 - 130									

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

GC VOA

Prep Batch: 92354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-92354/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 92484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7192-1	CS - 1	Total/NA	Solid	5035	
890-7192-2	CS - 2	Total/NA	Solid	5035	
890-7192-3	CS - 3	Total/NA	Solid	5035	
890-7192-4	CS - 4	Total/NA	Solid	5035	
890-7192-5	CS - 5	Total/NA	Solid	5035	
890-7192-6	CS - 6	Total/NA	Solid	5035	
890-7192-7	CS - 7	Total/NA	Solid	5035	
890-7192-8	CS - 8	Total/NA	Solid	5035	
890-7192-9	CS - 9	Total/NA	Solid	5035	
890-7192-10	CS - 10	Total/NA	Solid	5035	
890-7192-11	CS - 11	Total/NA	Solid	5035	
890-7192-12	CS - 12	Total/NA	Solid	5035	
890-7192-13	CS - 13	Total/NA	Solid	5035	
890-7192-14	CS - 14	Total/NA	Solid	5035	
890-7192-15	CS - 15	Total/NA	Solid	5035	
890-7192-16	CS - 16	Total/NA	Solid	5035	
890-7192-17	CS - 17	Total/NA	Solid	5035	
890-7192-18	CS - 18	Total/NA	Solid	5035	
890-7192-19	CS - 19	Total/NA	Solid	5035	
890-7192-20	CS - 20	Total/NA	Solid	5035	
MB 880-92484/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-92484/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-92484/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7192-1 MS	CS - 1	Total/NA	Solid	5035	
890-7192-1 MSD	CS - 1	Total/NA	Solid	5035	

Prep Batch: 92485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7192-21	CS - 21	Total/NA	Solid	5035	
890-7192-22	CS - 22	Total/NA	Solid	5035	
890-7192-23	CS - 23	Total/NA	Solid	5035	
890-7192-24	CS - 24	Total/NA	Solid	5035	
890-7192-25	CS - 25	Total/NA	Solid	5035	
890-7192-26	CS - 26	Total/NA	Solid	5035	
890-7192-27	CS - 27	Total/NA	Solid	5035	
890-7192-28	CS - 28	Total/NA	Solid	5035	
890-7192-29	CS - 29	Total/NA	Solid	5035	
890-7192-30	CS - 30	Total/NA	Solid	5035	
890-7192-31	CS - 31	Total/NA	Solid	5035	
890-7192-32	CS - 32	Total/NA	Solid	5035	
890-7192-33	CS - 33	Total/NA	Solid	5035	
890-7192-34	CS - 34	Total/NA	Solid	5035	
MB 880-92485/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-92485/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-92485/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7192-21 MS	CS - 21	Total/NA	Solid	5035	
890-7192-21 MSD	CS - 21	Total/NA	Solid	5035	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

GC VOA

Analysis Batch: 92639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7192-1	CS - 1	Total/NA	Solid	8021B	92484
890-7192-2	CS - 2	Total/NA	Solid	8021B	92484
890-7192-3	CS - 3	Total/NA	Solid	8021B	92484
890-7192-4	CS - 4	Total/NA	Solid	8021B	92484
890-7192-5	CS - 5	Total/NA	Solid	8021B	92484
890-7192-6	CS - 6	Total/NA	Solid	8021B	92484
890-7192-7	CS - 7	Total/NA	Solid	8021B	92484
890-7192-8	CS - 8	Total/NA	Solid	8021B	92484
890-7192-9	CS - 9	Total/NA	Solid	8021B	92484
890-7192-10	CS - 10	Total/NA	Solid	8021B	92484
890-7192-11	CS - 11	Total/NA	Solid	8021B	92484
890-7192-12	CS - 12	Total/NA	Solid	8021B	92484
890-7192-13	CS - 13	Total/NA	Solid	8021B	92484
890-7192-14	CS - 14	Total/NA	Solid	8021B	92484
890-7192-15	CS - 15	Total/NA	Solid	8021B	92484
890-7192-16	CS - 16	Total/NA	Solid	8021B	92484
890-7192-17	CS - 17	Total/NA	Solid	8021B	92484
890-7192-18	CS - 18	Total/NA	Solid	8021B	92484
890-7192-19	CS - 19	Total/NA	Solid	8021B	92484
890-7192-20	CS - 20	Total/NA	Solid	8021B	92484
890-7192-21	CS - 21	Total/NA	Solid	8021B	92485
890-7192-22	CS - 22	Total/NA	Solid	8021B	92485
890-7192-23	CS - 23	Total/NA	Solid	8021B	92485
890-7192-24	CS - 24	Total/NA	Solid	8021B	92485
890-7192-25	CS - 25	Total/NA	Solid	8021B	92485
890-7192-26	CS - 26	Total/NA	Solid	8021B	92485
890-7192-27	CS - 27	Total/NA	Solid	8021B	92485
890-7192-28	CS - 28	Total/NA	Solid	8021B	92485
890-7192-29	CS - 29	Total/NA	Solid	8021B	92485
890-7192-30	CS - 30	Total/NA	Solid	8021B	92485
890-7192-31	CS - 31	Total/NA	Solid	8021B	92485
890-7192-32	CS - 32	Total/NA	Solid	8021B	92485
890-7192-33	CS - 33	Total/NA	Solid	8021B	92485
890-7192-34	CS - 34	Total/NA	Solid	8021B	92485
MB 880-92354/5-A	Method Blank	Total/NA	Solid	8021B	92354
MB 880-92484/5-A	Method Blank	Total/NA	Solid	8021B	92484
MB 880-92485/5-A	Method Blank	Total/NA	Solid	8021B	92485
LCS 880-92484/1-A	Lab Control Sample	Total/NA	Solid	8021B	92484
LCS 880-92485/1-A	Lab Control Sample	Total/NA	Solid	8021B	92485
LCSD 880-92484/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	92484
LCSD 880-92485/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	92485
890-7192-1 MS	CS - 1	Total/NA	Solid	8021B	92484
890-7192-1 MSD	CS - 1	Total/NA	Solid	8021B	92484
890-7192-21 MS	CS - 21	Total/NA	Solid	8021B	92485
890-7192-21 MSD	CS - 21	Total/NA	Solid	8021B	92485

Analysis Batch: 92705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7192-1	CS - 1	Total/NA	Solid	Total BTEX	
890-7192-2	CS - 2	Total/NA	Solid	Total BTEX	
890-7192-3	CS - 3	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

GC VOA (Continued)

Analysis Batch: 92705 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7192-4	CS - 4	Total/NA	Solid	Total BTEX	
890-7192-5	CS - 5	Total/NA	Solid	Total BTEX	
890-7192-6	CS - 6	Total/NA	Solid	Total BTEX	
890-7192-7	CS - 7	Total/NA	Solid	Total BTEX	
890-7192-8	CS - 8	Total/NA	Solid	Total BTEX	
890-7192-9	CS - 9	Total/NA	Solid	Total BTEX	
890-7192-10	CS - 10	Total/NA	Solid	Total BTEX	
890-7192-11	CS - 11	Total/NA	Solid	Total BTEX	
890-7192-12	CS - 12	Total/NA	Solid	Total BTEX	
890-7192-13	CS - 13	Total/NA	Solid	Total BTEX	
890-7192-14	CS - 14	Total/NA	Solid	Total BTEX	
890-7192-15	CS - 15	Total/NA	Solid	Total BTEX	
890-7192-16	CS - 16	Total/NA	Solid	Total BTEX	
890-7192-17	CS - 17	Total/NA	Solid	Total BTEX	
890-7192-18	CS - 18	Total/NA	Solid	Total BTEX	
890-7192-19	CS - 19	Total/NA	Solid	Total BTEX	
890-7192-20	CS - 20	Total/NA	Solid	Total BTEX	
890-7192-21	CS - 21	Total/NA	Solid	Total BTEX	
890-7192-22	CS - 22	Total/NA	Solid	Total BTEX	
890-7192-23	CS - 23	Total/NA	Solid	Total BTEX	
890-7192-24	CS - 24	Total/NA	Solid	Total BTEX	
890-7192-25	CS - 25	Total/NA	Solid	Total BTEX	
890-7192-26	CS - 26	Total/NA	Solid	Total BTEX	
890-7192-27	CS - 27	Total/NA	Solid	Total BTEX	
890-7192-28	CS - 28	Total/NA	Solid	Total BTEX	
890-7192-29	CS - 29	Total/NA	Solid	Total BTEX	
890-7192-30	CS - 30	Total/NA	Solid	Total BTEX	
890-7192-31	CS - 31	Total/NA	Solid	Total BTEX	
890-7192-32	CS - 32	Total/NA	Solid	Total BTEX	
890-7192-33	CS - 33	Total/NA	Solid	Total BTEX	
890-7192-34	CS - 34	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 92450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7192-1	CS - 1	Total/NA	Solid	8015NM Prep	
890-7192-2	CS - 2	Total/NA	Solid	8015NM Prep	
890-7192-3	CS - 3	Total/NA	Solid	8015NM Prep	
890-7192-4	CS - 4	Total/NA	Solid	8015NM Prep	
890-7192-5	CS - 5	Total/NA	Solid	8015NM Prep	
890-7192-6	CS - 6	Total/NA	Solid	8015NM Prep	
890-7192-7	CS - 7	Total/NA	Solid	8015NM Prep	
890-7192-8	CS - 8	Total/NA	Solid	8015NM Prep	
890-7192-9	CS - 9	Total/NA	Solid	8015NM Prep	
890-7192-10	CS - 10	Total/NA	Solid	8015NM Prep	
890-7192-11	CS - 11	Total/NA	Solid	8015NM Prep	
890-7192-12	CS - 12	Total/NA	Solid	8015NM Prep	
890-7192-13	CS - 13	Total/NA	Solid	8015NM Prep	
890-7192-14	CS - 14	Total/NA	Solid	8015NM Prep	
MB 880-92450/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

GC Semi VOA (Continued)

Prep Batch: 92450 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-92450/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92450/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7180-A-6-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7180-A-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 92451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7192-15	CS - 15	Total/NA	Solid	8015NM Prep	
890-7192-16	CS - 16	Total/NA	Solid	8015NM Prep	
890-7192-17	CS - 17	Total/NA	Solid	8015NM Prep	
890-7192-18	CS - 18	Total/NA	Solid	8015NM Prep	
890-7192-19	CS - 19	Total/NA	Solid	8015NM Prep	
890-7192-20	CS - 20	Total/NA	Solid	8015NM Prep	
890-7192-21	CS - 21	Total/NA	Solid	8015NM Prep	
890-7192-22	CS - 22	Total/NA	Solid	8015NM Prep	
890-7192-23	CS - 23	Total/NA	Solid	8015NM Prep	
890-7192-24	CS - 24	Total/NA	Solid	8015NM Prep	
890-7192-25	CS - 25	Total/NA	Solid	8015NM Prep	
MB 880-92451/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92451/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92451/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7192-15 MS	CS - 15	Total/NA	Solid	8015NM Prep	
890-7192-15 MSD	CS - 15	Total/NA	Solid	8015NM Prep	

Prep Batch: 92452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7192-26	CS - 26	Total/NA	Solid	8015NM Prep	
890-7192-27	CS - 27	Total/NA	Solid	8015NM Prep	
890-7192-28	CS - 28	Total/NA	Solid	8015NM Prep	
890-7192-29	CS - 29	Total/NA	Solid	8015NM Prep	
890-7192-30	CS - 30	Total/NA	Solid	8015NM Prep	
890-7192-31	CS - 31	Total/NA	Solid	8015NM Prep	
890-7192-32	CS - 32	Total/NA	Solid	8015NM Prep	
890-7192-33	CS - 33	Total/NA	Solid	8015NM Prep	
890-7192-34	CS - 34	Total/NA	Solid	8015NM Prep	
MB 880-92452/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92452/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92452/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7193-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7193-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 92613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7192-1	CS - 1	Total/NA	Solid	8015B NM	92450
890-7192-2	CS - 2	Total/NA	Solid	8015B NM	92450
890-7192-3	CS - 3	Total/NA	Solid	8015B NM	92450
890-7192-4	CS - 4	Total/NA	Solid	8015B NM	92450
890-7192-5	CS - 5	Total/NA	Solid	8015B NM	92450
890-7192-6	CS - 6	Total/NA	Solid	8015B NM	92450
890-7192-7	CS - 7	Total/NA	Solid	8015B NM	92450
890-7192-8	CS - 8	Total/NA	Solid	8015B NM	92450

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

GC Semi VOA (Continued)

Analysis Batch: 92613 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7192-9	CS - 9	Total/NA	Solid	8015B NM	92450
890-7192-10	CS - 10	Total/NA	Solid	8015B NM	92450
890-7192-11	CS - 11	Total/NA	Solid	8015B NM	92450
890-7192-12	CS - 12	Total/NA	Solid	8015B NM	92450
890-7192-13	CS - 13	Total/NA	Solid	8015B NM	92450
890-7192-14	CS - 14	Total/NA	Solid	8015B NM	92450
890-7192-15	CS - 15	Total/NA	Solid	8015B NM	92451
890-7192-16	CS - 16	Total/NA	Solid	8015B NM	92451
890-7192-17	CS - 17	Total/NA	Solid	8015B NM	92451
890-7192-18	CS - 18	Total/NA	Solid	8015B NM	92451
890-7192-19	CS - 19	Total/NA	Solid	8015B NM	92451
890-7192-20	CS - 20	Total/NA	Solid	8015B NM	92451
890-7192-21	CS - 21	Total/NA	Solid	8015B NM	92451
890-7192-22	CS - 22	Total/NA	Solid	8015B NM	92451
890-7192-23	CS - 23	Total/NA	Solid	8015B NM	92451
890-7192-24	CS - 24	Total/NA	Solid	8015B NM	92451
890-7192-25	CS - 25	Total/NA	Solid	8015B NM	92451
MB 880-92450/1-A	Method Blank	Total/NA	Solid	8015B NM	92450
MB 880-92451/1-A	Method Blank	Total/NA	Solid	8015B NM	92451
LCS 880-92450/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92450
LCS 880-92451/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92451
LCSD 880-92450/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92450
LCSD 880-92451/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92451
890-7180-A-6-B MS	Matrix Spike	Total/NA	Solid	8015B NM	92450
890-7180-A-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	92450
890-7192-15 MS	CS - 15	Total/NA	Solid	8015B NM	92451
890-7192-15 MSD	CS - 15	Total/NA	Solid	8015B NM	92451

Analysis Batch: 92616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7192-26	CS - 26	Total/NA	Solid	8015B NM	92452
890-7192-27	CS - 27	Total/NA	Solid	8015B NM	92452
890-7192-28	CS - 28	Total/NA	Solid	8015B NM	92452
890-7192-29	CS - 29	Total/NA	Solid	8015B NM	92452
890-7192-30	CS - 30	Total/NA	Solid	8015B NM	92452
890-7192-31	CS - 31	Total/NA	Solid	8015B NM	92452
890-7192-32	CS - 32	Total/NA	Solid	8015B NM	92452
890-7192-33	CS - 33	Total/NA	Solid	8015B NM	92452
890-7192-34	CS - 34	Total/NA	Solid	8015B NM	92452
MB 880-92452/1-A	Method Blank	Total/NA	Solid	8015B NM	92452
LCS 880-92452/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92452
LCSD 880-92452/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92452
890-7193-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	92452
890-7193-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	92452

Analysis Batch: 92711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7192-1	CS - 1	Total/NA	Solid	8015 NM	
890-7192-2	CS - 2	Total/NA	Solid	8015 NM	
890-7192-3	CS - 3	Total/NA	Solid	8015 NM	
890-7192-4	CS - 4	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

GC Semi VOA (Continued)

Analysis Batch: 92711 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7192-5	CS - 5	Total/NA	Solid	8015 NM	
890-7192-6	CS - 6	Total/NA	Solid	8015 NM	
890-7192-7	CS - 7	Total/NA	Solid	8015 NM	
890-7192-8	CS - 8	Total/NA	Solid	8015 NM	
890-7192-9	CS - 9	Total/NA	Solid	8015 NM	
890-7192-10	CS - 10	Total/NA	Solid	8015 NM	
890-7192-11	CS - 11	Total/NA	Solid	8015 NM	
890-7192-12	CS - 12	Total/NA	Solid	8015 NM	
890-7192-13	CS - 13	Total/NA	Solid	8015 NM	
890-7192-14	CS - 14	Total/NA	Solid	8015 NM	
890-7192-15	CS - 15	Total/NA	Solid	8015 NM	
890-7192-16	CS - 16	Total/NA	Solid	8015 NM	
890-7192-17	CS - 17	Total/NA	Solid	8015 NM	
890-7192-18	CS - 18	Total/NA	Solid	8015 NM	
890-7192-19	CS - 19	Total/NA	Solid	8015 NM	
890-7192-20	CS - 20	Total/NA	Solid	8015 NM	
890-7192-21	CS - 21	Total/NA	Solid	8015 NM	
890-7192-22	CS - 22	Total/NA	Solid	8015 NM	
890-7192-23	CS - 23	Total/NA	Solid	8015 NM	
890-7192-24	CS - 24	Total/NA	Solid	8015 NM	
890-7192-25	CS - 25	Total/NA	Solid	8015 NM	
890-7192-26	CS - 26	Total/NA	Solid	8015 NM	
890-7192-27	CS - 27	Total/NA	Solid	8015 NM	
890-7192-28	CS - 28	Total/NA	Solid	8015 NM	
890-7192-29	CS - 29	Total/NA	Solid	8015 NM	
890-7192-30	CS - 30	Total/NA	Solid	8015 NM	
890-7192-31	CS - 31	Total/NA	Solid	8015 NM	
890-7192-32	CS - 32	Total/NA	Solid	8015 NM	
890-7192-33	CS - 33	Total/NA	Solid	8015 NM	
890-7192-34	CS - 34	Total/NA	Solid	8015 NM	

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 1
Date Collected: 10/02/24 08:30
Date Received: 10/02/24 16:07

Lab Sample ID: 890-7192-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	92484	10/03/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 07:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 07:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/04/24 19:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92450	10/03/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92613	10/04/24 19:55	TKC	EET MID

Client Sample ID: CS - 2
Date Collected: 10/02/24 08:35
Date Received: 10/02/24 16:07

Lab Sample ID: 890-7192-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	92484	10/03/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 07:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 07:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/04/24 20:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	92450	10/03/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92613	10/04/24 20:11	TKC	EET MID

Client Sample ID: CS - 3
Date Collected: 10/02/24 08:40
Date Received: 10/02/24 16:07

Lab Sample ID: 890-7192-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	92484	10/03/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 07:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 07:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/04/24 20:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92450	10/03/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92613	10/04/24 20:27	TKC	EET MID

Client Sample ID: CS - 4
Date Collected: 10/02/24 08:45
Date Received: 10/02/24 16:07

Lab Sample ID: 890-7192-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	92484	10/03/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 08:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 08:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/04/24 20:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92450	10/03/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92613	10/04/24 20:43	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 5
Date Collected: 10/02/24 08:50
Date Received: 10/02/24 16:07

Lab Sample ID: 890-7192-5
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			5.00 g	5 mL	92484	10/03/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 08:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 08:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/04/24 21:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92450	10/03/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92613	10/04/24 21:15	TKC	EET MID

Client Sample ID: CS - 6
Date Collected: 10/02/24 08:55
Date Received: 10/02/24 16:07

Lab Sample ID: 890-7192-6
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			4.99 g	5 mL	92484	10/03/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 08:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 08:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/04/24 21:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	92450	10/03/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92613	10/04/24 21:31	TKC	EET MID

Client Sample ID: CS - 7
Date Collected: 10/02/24 08:00
Date Received: 10/02/24 16:07

Lab Sample ID: 890-7192-7
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			5.01 g	5 mL	92484	10/03/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 09:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 09:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/04/24 21:47	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10.00 mL	92450	10/03/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92613	10/04/24 21:47	TKC	EET MID

Client Sample ID: CS - 8
Date Collected: 10/02/24 08:05
Date Received: 10/02/24 16:07

Lab Sample ID: 890-7192-8
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	92484	10/03/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 09:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 09:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/04/24 22:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92450	10/03/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92613	10/04/24 22:03	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 9**Lab Sample ID: 890-7192-9****Date Collected: 10/02/24 08:10****Matrix: Solid****Date Received: 10/02/24 16:07**

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	92484	10/03/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 09:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 09:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/04/24 22:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	92450	10/03/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92613	10/04/24 22:19	TKC	EET MID

Client Sample ID: CS - 10**Lab Sample ID: 890-7192-10****Date Collected: 10/02/24 08:15****Matrix: Solid****Date Received: 10/02/24 16:07**

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	92484	10/03/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 10:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 10:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/04/24 22:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92450	10/03/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92613	10/04/24 22:35	TKC	EET MID

Client Sample ID: CS - 11**Lab Sample ID: 890-7192-11****Date Collected: 10/02/24 08:20****Matrix: Solid****Date Received: 10/02/24 16:07**

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	92484	10/03/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 11:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 11:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/04/24 22:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92450	10/03/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92613	10/04/24 22:51	TKC	EET MID

Client Sample ID: CS - 12**Lab Sample ID: 890-7192-12****Date Collected: 10/02/24 08:25****Matrix: Solid****Date Received: 10/02/24 16:07**

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	92484	10/03/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 11:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 11:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/04/24 23:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92450	10/03/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92613	10/04/24 23:08	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 13

Lab Sample ID: 890-7192-13

Date Collected: 10/02/24 08:30

Matrix: Solid

Date Received: 10/02/24 16:07

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	92484	10/03/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 12:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 12:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/04/24 23:24	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	92450	10/03/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92613	10/04/24 23:24	TKC	EET MID

Client Sample ID: CS - 14

Lab Sample ID: 890-7192-14

Date Collected: 10/02/24 08:30

Matrix: Solid

Date Received: 10/02/24 16:07

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	92484	10/03/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 12:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 12:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/04/24 23:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92450	10/03/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92613	10/04/24 23:40	TKC	EET MID

Client Sample ID: CS - 15

Lab Sample ID: 890-7192-15

Date Collected: 10/02/24 08:35

Matrix: Solid

Date Received: 10/02/24 16:07

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	92484	10/03/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 12:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/05/24 01:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92451	10/03/24 09:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92613	10/05/24 01:49	TKC	EET MID

Client Sample ID: CS - 16

Lab Sample ID: 890-7192-16

Date Collected: 10/02/24 08:40

Matrix: Solid

Date Received: 10/02/24 16:07

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	92484	10/03/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 13:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 13:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/05/24 02:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92451	10/03/24 09:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92613	10/05/24 02:39	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 17

Lab Sample ID: 890-7192-17

Date Collected: 10/02/24 08:45

Matrix: Solid

Date Received: 10/02/24 16:07

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	92484	10/03/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 13:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 13:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/05/24 02:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92451	10/03/24 09:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92613	10/05/24 02:54	TKC	EET MID

Client Sample ID: CS - 18

Lab Sample ID: 890-7192-18

Date Collected: 10/02/24 08:50

Matrix: Solid

Date Received: 10/02/24 16:07

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	92484	10/03/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 14:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 14:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/05/24 03:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	92451	10/03/24 09:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92613	10/05/24 03:10	TKC	EET MID

Client Sample ID: CS - 19

Lab Sample ID: 890-7192-19

Date Collected: 10/02/24 08:55

Matrix: Solid

Date Received: 10/02/24 16:07

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	92484	10/03/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 14:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 14:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/05/24 03:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	92451	10/03/24 09:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92613	10/05/24 03:27	TKC	EET MID

Client Sample ID: CS - 20

Lab Sample ID: 890-7192-20

Date Collected: 10/02/24 09:00

Matrix: Solid

Date Received: 10/02/24 16:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	92484	10/03/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 14:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 14:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/05/24 03:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92451	10/03/24 09:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92613	10/05/24 03:43	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 21**Lab Sample ID: 890-7192-21****Date Collected: 10/02/24 09:05****Matrix: Solid****Date Received: 10/02/24 16:07**

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	92485	10/03/24 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 18:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 18:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/05/24 03:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92451	10/03/24 09:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92613	10/05/24 03:59	TKC	EET MID

Client Sample ID: CS - 22**Lab Sample ID: 890-7192-22****Date Collected: 10/02/24 09:10****Matrix: Solid****Date Received: 10/02/24 16:07**

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	92485	10/03/24 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 19:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 19:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/05/24 04:14	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	92451	10/03/24 09:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92613	10/05/24 04:14	TKC	EET MID

Client Sample ID: CS - 23**Lab Sample ID: 890-7192-23****Date Collected: 10/02/24 09:15****Matrix: Solid****Date Received: 10/02/24 16:07**

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	92485	10/03/24 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 19:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 19:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/05/24 04:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92451	10/03/24 09:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92613	10/05/24 04:31	TKC	EET MID

Client Sample ID: CS - 24**Lab Sample ID: 890-7192-24****Date Collected: 10/02/24 09:20****Matrix: Solid****Date Received: 10/02/24 16:07**

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	92485	10/03/24 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 19:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 19:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/05/24 04:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92451	10/03/24 09:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92613	10/05/24 04:46	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 25**Lab Sample ID: 890-7192-25****Date Collected: 10/02/24 09:25****Matrix: Solid****Date Received: 10/02/24 16:07**

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	92485	10/03/24 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 20:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 20:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/05/24 05:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92451	10/03/24 09:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92613	10/05/24 05:18	TKC	EET MID

Client Sample ID: CS - 26**Lab Sample ID: 890-7192-26****Date Collected: 10/02/24 09:30****Matrix: Solid****Date Received: 10/02/24 16:07**

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	92485	10/03/24 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 20:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 20:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/04/24 19:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92452	10/03/24 09:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92616	10/04/24 19:05	TKC	EET MID

Client Sample ID: CS - 27**Lab Sample ID: 890-7192-27****Date Collected: 10/02/24 09:35****Matrix: Solid****Date Received: 10/02/24 16:07**

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	92485	10/03/24 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 20:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 20:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/04/24 19:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	92452	10/03/24 09:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92616	10/04/24 19:22	TKC	EET MID

Client Sample ID: CS - 28**Lab Sample ID: 890-7192-28****Date Collected: 10/02/24 09:40****Matrix: Solid****Date Received: 10/02/24 16:07**

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	92485	10/03/24 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 21:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 21:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/04/24 19:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92452	10/03/24 09:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92616	10/04/24 19:38	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 29

Lab Sample ID: 890-7192-29

Date Collected: 10/02/24 09:45

Matrix: Solid

Date Received: 10/02/24 16:07

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	92485	10/03/24 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 21:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 21:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/04/24 19:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92452	10/03/24 09:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92616	10/04/24 19:55	TKC	EET MID

Client Sample ID: CS - 30

Lab Sample ID: 890-7192-30

Date Collected: 10/02/24 09:50

Matrix: Solid

Date Received: 10/02/24 16:07

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	92485	10/03/24 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 21:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 21:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/04/24 20:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92452	10/03/24 09:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92616	10/04/24 20:11	TKC	EET MID

Client Sample ID: CS - 31

Lab Sample ID: 890-7192-31

Date Collected: 10/02/24 09:55

Matrix: Solid

Date Received: 10/02/24 16:07

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	92485	10/03/24 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 23:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 23:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/04/24 20:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92452	10/03/24 09:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92616	10/04/24 20:27	TKC	EET MID

Client Sample ID: CS - 32

Lab Sample ID: 890-7192-32

Date Collected: 10/02/24 10:00

Matrix: Solid

Date Received: 10/02/24 16:07

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	92485	10/03/24 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/07/24 23:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/07/24 23:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/04/24 20:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92452	10/03/24 09:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92616	10/04/24 20:43	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Client Sample ID: CS - 33

Lab Sample ID: 890-7192-33

Date Collected: 10/02/24 10:05

Matrix: Solid

Date Received: 10/02/24 16:07

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	92485	10/03/24 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/08/24 00:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/08/24 00:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/04/24 21:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	92452	10/03/24 09:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92616	10/04/24 21:15	TKC	EET MID

Client Sample ID: CS - 34

Lab Sample ID: 890-7192-34

Date Collected: 10/02/24 10:10

Matrix: Solid

Date Received: 10/02/24 16:07

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	92485	10/03/24 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/08/24 00:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92705	10/08/24 00:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			92711	10/04/24 21:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92452	10/03/24 09:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92616	10/04/24 21:31	TKC	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

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	06-30-25
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: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID

Protocol References:

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:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7192-1
SDG: 2402

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-7192-1	CS - 1	Solid	10/02/24 08:30	10/02/24 16:07
890-7192-2	CS - 2	Solid	10/02/24 08:35	10/02/24 16:07
890-7192-3	CS - 3	Solid	10/02/24 08:40	10/02/24 16:07
890-7192-4	CS - 4	Solid	10/02/24 08:45	10/02/24 16:07
890-7192-5	CS - 5	Solid	10/02/24 08:50	10/02/24 16:07
890-7192-6	CS - 6	Solid	10/02/24 08:55	10/02/24 16:07
890-7192-7	CS - 7	Solid	10/02/24 08:00	10/02/24 16:07
890-7192-8	CS - 8	Solid	10/02/24 08:05	10/02/24 16:07
890-7192-9	CS - 9	Solid	10/02/24 08:10	10/02/24 16:07
890-7192-10	CS - 10	Solid	10/02/24 08:15	10/02/24 16:07
890-7192-11	CS - 11	Solid	10/02/24 08:20	10/02/24 16:07
890-7192-12	CS - 12	Solid	10/02/24 08:25	10/02/24 16:07
890-7192-13	CS - 13	Solid	10/02/24 08:30	10/02/24 16:07
890-7192-14	CS - 14	Solid	10/02/24 08:30	10/02/24 16:07
890-7192-15	CS - 15	Solid	10/02/24 08:35	10/02/24 16:07
890-7192-16	CS - 16	Solid	10/02/24 08:40	10/02/24 16:07
890-7192-17	CS - 17	Solid	10/02/24 08:45	10/02/24 16:07
890-7192-18	CS - 18	Solid	10/02/24 08:50	10/02/24 16:07
890-7192-19	CS - 19	Solid	10/02/24 08:55	10/02/24 16:07
890-7192-20	CS - 20	Solid	10/02/24 09:00	10/02/24 16:07
890-7192-21	CS - 21	Solid	10/02/24 09:05	10/02/24 16:07
890-7192-22	CS - 22	Solid	10/02/24 09:10	10/02/24 16:07
890-7192-23	CS - 23	Solid	10/02/24 09:15	10/02/24 16:07
890-7192-24	CS - 24	Solid	10/02/24 09:20	10/02/24 16:07
890-7192-25	CS - 25	Solid	10/02/24 09:25	10/02/24 16:07
890-7192-26	CS - 26	Solid	10/02/24 09:30	10/02/24 16:07
890-7192-27	CS - 27	Solid	10/02/24 09:35	10/02/24 16:07
890-7192-28	CS - 28	Solid	10/02/24 09:40	10/02/24 16:07
890-7192-29	CS - 29	Solid	10/02/24 09:45	10/02/24 16:07
890-7192-30	CS - 30	Solid	10/02/24 09:50	10/02/24 16:07
890-7192-31	CS - 31	Solid	10/02/24 09:55	10/02/24 16:07
890-7192-32	CS - 32	Solid	10/02/24 10:00	10/02/24 16:07
890-7192-33	CS - 33	Solid	10/02/24 10:05	10/02/24 16:07
890-7192-34	CS - 34	Solid	10/02/24 10:10	10/02/24 16:07



Environment Testing
Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 1 of 4

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net

Program: ☐ UST/IST ☐ PRR ☐ Brownfield ☐ RRE ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	Deliverables: EDD ☐ ADAPT ☐ Other: _____

Project Name:	Chicken Noodle Federal Com CTB	Turn Around	☒ Routine ☐ Rush	Pres. Code	
Project Number:	2402	Due Date:	5 Day TAT		
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Gilbert Moreno	Temp Blank:	☒ Yes ☐ No	Wet Ice:	☒ Yes ☐ No
PO #:		Samples Received Intact:	☒ Yes ☐ No	Thermometer ID:	TM0027
		Cooler Custody Seals:	☒ Yes ☐ No	Correction Factor:	-0.2
		Sample Custody Seals:	☒ Yes ☐ No	Temperature Reading:	1.0
		Total Containers:		Corrected Temperature:	0.8



890-7192 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp	# of Cont	ANALYSIS REQUEST										Preservative Codes									
							TPH	Chloride-24 HR Rush	BTEX	Hold							None: NO	DI Water: H ₂ O	MeOH: Me							
CS-1	S	10/2/2024	8:30	1	Comp	1	X	X	X																	
CS-2	S	10/2/2024	8:35	1	Comp	1	X	X	X																	
CS-3	S	10/2/2024	8:40	1	Comp	1	X	X	X																	
CS-4	S	10/2/2024	8:45	1	Comp	1	X	X	X																	
CS-5	S	10/2/2024	8:50	1	Comp	1	X	X	X																	
CS-6	S	10/2/2024	8:55	1	Comp	1	X	X	X																	
CS-7	S	10/2/2024	8:00	1	Comp	1	X	X	X																	
CS-8	S	10/2/2024	8:05	1	Comp	1	X	X	X																	
CS-9	S	10/2/2024	8:10	1	Comp	1	X	X	X																	

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 Ti Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins 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 Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins 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
<i>Gilbert Moreno</i>	<i>adn</i>	10/07/2024			



Environment Testing
Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 3 of 4

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net

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

Project Name:	Chicken Noodle Federal Com CTB	Turn Around	☒ Routine ☐ Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes																
Project Number:	2402	Due Date:	5 Day TAT														None: NO DI Water: H ₂ O Cool: Cool MeOH: Me HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ NaOH: Na H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC																
Sample Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm																															
Sample Name:	Gilbert Moreno																																
PO #:																																	
SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No																													
Samples Received Intact:	Yes No	Thermometer ID:																															
Cooler Custody Seals:	Yes No N/A	Correction Factor:																															
Sample Custody Seals:	Yes No N/A	Temperature Reading:																															
Total Containers:		Corrected Temperature:																															
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp	# of Cont	TPH	Chloride-24 HR Rush	BTEX	Hold												Sample Comments											
CS-19	S	10/2/2024	8:55	1	Comp	1	X	X	X													Incident Number nAPP2423129926											
CS-20	S	10/2/2024	9:00	1	Comp	1	X	X	X																								
CS-21	S	10/2/2024	9:05	1	Comp	1	X	X	X																								
CS-22	S	10/2/2024	9:10	1	Comp	1	X	X	X																								
CS-23	S	10/2/2024	9:15	1	Comp	1	X	X	X																								
CS-24	S	10/2/2024	9:20	1	Comp	1	X	X	X																								
CS-25	S	10/2/2024	9:25	1	Comp	1	X	X	X																								
CS-26	S	10/2/2024	9:30	1	Comp	1	X	X	X																								
CS-27	S	10/2/2024	9:35	1	Comp	1	X	X	X																								

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 Ti Sn U V Zn
Hg: 1631 / 245.1 / 7470 / 7471

Circle Method(s) and Metal(s) to be analyzed

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0	CS-27	10-2			
3					
5					



Environment Testing
Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 502-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 4 of 4

Project Manager:	Gilbert Moreno	Bill to (if different):	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmorreno@earthsys.net

Work Order Comments	
Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	Chicken Noodle Federal Com CTB	Turn Around	☒ Routine ☐ Rush	Pres. Code		ANALYSIS REQUEST														Preservative Codes						
Project Number:	2402	Due Date:	5 Day TAT																	None: NO	DI Water: H ₂ O					
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm																		Cool: Cool	MeOH: Me					
Sampler's Name:	Gilbert Moreno																			HCL: HC	HNO ₃ : HN					
PO #:																				H ₂ SO ₄ : H ₂	NaOH: Na					
SAMPLE RECEIPT	Temp Blank:	Yes	No	Wet Ice:	Yes	No															H ₃ PO ₄ : HP					
	Samples Received Intact:	Yes	No	Thermometer ID:																	NaHSO ₄ : NABIS					
	Cooler Custody Seals:	Yes	No	Correction Factor:																	Na ₂ S ₂ O ₅ : NASO ₅					
Sample Custody Seals:	Yes	No	Temperature Reading:																	Zn Acetate+NaOH: Zn						
Total Containers:		Corrected Temperature:																		NaOH+Ascorbic Acid: SAPC						
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp	# of Cont	TPH	Chloride-24 HR Rush	BTEX	Hold															Sample Comments	
	CS-28	S	10/2/2024	9:40	1	Comp 1	X	X	X																Incident Number	
	CS-29	S	10/2/2024	9:45	1	Comp 1	X	X	X																nAPP2423129926	
	CS-30	S	10/2/2024	9:50	1	Comp 1	X	X	X																	
	CS-31	S	10/2/2024	9:55	1	Comp 1	X	X	X																	
CS-32	S	10/2/2024	10:00	1	Comp 1	X	X	X																		
CS-33	S	10/2/2024	10:05	1	Comp 1	X	X	X																		
CS-34	S	10/2/2024	10:10	1	Comp 1	X	X	X																		

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 Ti Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco. Its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins 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 Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins 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
<i>[Signature]</i>	<i>[Signature]</i>	10:07 10-2			

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-7192-1

SDG Number: 2402

Login Number: 7192

List Number: 1

Creator: Bruns, Shannon

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.	N/A	Refer to Job Narrative for details.
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: Earth Systems Response and Restoration

Job Number: 890-7192-1
SDG Number: 2402

Login Number: 7192
List Number: 2
Creator: Vasquez, Julisa

List Source: Eurofins Midland
List Creation: 10/03/24 08:19 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	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
4115 South County Road 1297
Odessa, Texas 79765

Generated 10/8/2024 10:31:00 AM

JOB DESCRIPTION

Chicken Noodle Federal COM CTB
2402

JOB NUMBER

890-7193-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220



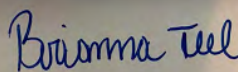
Eurofins Carlsbad

Job Notes

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

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
10/8/2024 10:31:00 AM

Authorized for release by
Brianna Teel, Project Manager
Brianna.Teel@et.eurofinsus.com
(432)704-5440

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Laboratory Job ID: 890-7193-1
SDG: 2402

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7193-1
SDG: 2402

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
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: Earth Systems Response and Restoration
Project: Chicken Noodle Federal COM CTB

Job ID: 890-7193-1

Job ID: 890-7193-1

Eurofins Carlsbad

Job Narrative 890-7193-1

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

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

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

Receipt

The samples were received on 10/2/2024 4:13 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 0.6°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-1 (890-7193-1), SW-2 (890-7193-2) and SW-3 (890-7193-3).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-92485 and analytical batch 880-92639 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-92452 and analytical batch 880-92616 was outside the upper control limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCSD 880-92452/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-92452 and analytical batch 880-92616 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-92452 and analytical batch 880-92616 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

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

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7193-1
SDG: 2402

Client Sample ID: SW-1

Lab Sample ID: 890-7193-1

Date Collected: 10/02/24 10:00

Matrix: Solid

Date Received: 10/02/24 16:13

Sample Depth: 0-1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:41	10/08/24 00:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:41	10/08/24 00:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:41	10/08/24 00:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/03/24 11:41	10/08/24 00:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/03/24 11:41	10/08/24 00:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/03/24 11:41	10/08/24 00:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	10/03/24 11:41	10/08/24 00:43	1
1,4-Difluorobenzene (Surr)	101		70 - 130	10/03/24 11:41	10/08/24 00:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/08/24 00:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/04/24 17:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/03/24 09:27	10/04/24 17:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U ** *1	49.8		mg/Kg		10/03/24 09:27	10/04/24 17:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/03/24 09:27	10/04/24 17:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	10/03/24 09:27	10/04/24 17:42	1
o-Terphenyl	118		70 - 130	10/03/24 09:27	10/04/24 17:42	1

Client Sample ID: SW-2

Lab Sample ID: 890-7193-2

Date Collected: 10/02/24 10:05

Matrix: Solid

Date Received: 10/02/24 16:13

Sample Depth: 0-1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/08/24 01:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/08/24 01:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/08/24 01:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/03/24 11:41	10/08/24 01:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/08/24 01:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/03/24 11:41	10/08/24 01:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	10/03/24 11:41	10/08/24 01:04	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/03/24 11:41	10/08/24 01:04	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7193-1
SDG: 2402

Client Sample ID: SW-2

Lab Sample ID: 890-7193-2

Date Collected: 10/02/24 10:05

Matrix: Solid

Date Received: 10/02/24 16:13

Sample Depth: 0-1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/08/24 01:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/04/24 18:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/03/24 09:27	10/04/24 18:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U ** *1	49.9		mg/Kg		10/03/24 09:27	10/04/24 18:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/03/24 09:27	10/04/24 18:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				10/03/24 09:27	10/04/24 18:33	1
o-Terphenyl	99		70 - 130				10/03/24 09:27	10/04/24 18:33	1

Client Sample ID: SW-3

Lab Sample ID: 890-7193-3

Date Collected: 10/02/24 10:10

Matrix: Solid

Date Received: 10/02/24 16:13

Sample Depth: 0-1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/03/24 11:41	10/08/24 01:24	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/03/24 11:41	10/08/24 01:24	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/03/24 11:41	10/08/24 01:24	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/03/24 11:41	10/08/24 01:24	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/03/24 11:41	10/08/24 01:24	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/03/24 11:41	10/08/24 01:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				10/03/24 11:41	10/08/24 01:24	1
1,4-Difluorobenzene (Surr)	102		70 - 130				10/03/24 11:41	10/08/24 01:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/08/24 01:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/04/24 18:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/03/24 09:27	10/04/24 18:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U ** *1	49.9		mg/Kg		10/03/24 09:27	10/04/24 18:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/03/24 09:27	10/04/24 18:49	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7193-1
SDG: 2402

Client Sample ID: SW-3
Date Collected: 10/02/24 10:10
Date Received: 10/02/24 16:13
Sample Depth: 0-1

Lab Sample ID: 890-7193-3
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	10/03/24 09:27	10/04/24 18:49	1
o-Terphenyl	109		70 - 130	10/03/24 09:27	10/04/24 18:49	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7193-1
SDG: 2402

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)
890-7192-A-21-C MS	Matrix Spike	109	100
890-7192-A-21-D MSD	Matrix Spike Duplicate	103	103
890-7193-1	SW-1	101	101
890-7193-2	SW-2	112	98
890-7193-3	SW-3	108	102
LCS 880-92485/1-A	Lab Control Sample	107	100
LCSD 880-92485/2-A	Lab Control Sample Dup	102	101
MB 880-92484/5-A	Method Blank	103	98
MB 880-92485/5-A	Method Blank	103	99
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)
890-7193-1	SW-1	119	118
890-7193-1 MS	SW-1	112	116
890-7193-1 MSD	SW-1	107	110
890-7193-2	SW-2	105	99
890-7193-3	SW-3	114	109
LCS 880-92452/2-A	Lab Control Sample	126	127
LCSD 880-92452/3-A	Lab Control Sample Dup	165 S1+	166 S1+
MB 880-92452/1-A	Method Blank	169 S1+	158 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7193-1
SDG: 2402

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-92484/5-A

Matrix: Solid

Analysis Batch: 92639

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92484

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 06:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 06:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 06:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/03/24 11:36	10/07/24 06:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:36	10/07/24 06:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/03/24 11:36	10/07/24 06:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	10/03/24 11:36	10/07/24 06:47	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/03/24 11:36	10/07/24 06:47	1

Lab Sample ID: MB 880-92485/5-A

Matrix: Solid

Analysis Batch: 92639

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92485

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 18:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 18:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 18:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/03/24 11:41	10/07/24 18:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/03/24 11:41	10/07/24 18:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/03/24 11:41	10/07/24 18:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	10/03/24 11:41	10/07/24 18:33	1
1,4-Difluorobenzene (Surr)	99		70 - 130	10/03/24 11:41	10/07/24 18:33	1

Lab Sample ID: LCS 880-92485/1-A

Matrix: Solid

Analysis Batch: 92639

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92485

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08747		mg/Kg		87	70 - 130
Toluene	0.100	0.08359		mg/Kg		84	70 - 130
Ethylbenzene	0.100	0.08283		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	0.200	0.1775		mg/Kg		89	70 - 130
o-Xylene	0.100	0.08995		mg/Kg		90	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-92485/2-A

Matrix: Solid

Analysis Batch: 92639

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92485

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09106		mg/Kg		91	70 - 130	4	35

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7193-1
SDG: 2402

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

Lab Sample ID: LCSD 880-92485/2-A

Matrix: Solid

Analysis Batch: 92639

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92485

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits			
Toluene	0.100	0.08613		mg/Kg		86	70 - 130		3	35
Ethylbenzene	0.100	0.08633		mg/Kg		86	70 - 130		4	35
m-Xylene & p-Xylene	0.200	0.1842		mg/Kg		92	70 - 130		4	35
o-Xylene	0.100	0.09329		mg/Kg		93	70 - 130		4	35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-7192-A-21-C MS

Matrix: Solid

Analysis Batch: 92639

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 92485

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	
Benzene	<0.00200	U F1	0.100	0.05712	F1	mg/Kg		57	70 - 130	
Toluene	<0.00200	U F1	0.100	0.03627	F1	mg/Kg		36	70 - 130	
Ethylbenzene	<0.00200	U F1	0.100	0.02829	F1	mg/Kg		28	70 - 130	
m-Xylene & p-Xylene	<0.00401	U F1 F2	0.200	0.02332	F1	mg/Kg		12	70 - 130	
o-Xylene	<0.00200	U F1	0.100	0.03311	F1	mg/Kg		33	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-7192-A-21-D MSD

Matrix: Solid

Analysis Batch: 92639

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 92485

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits			
Benzene	<0.00200	U F1	0.100	0.05913	F1	mg/Kg		59	70 - 130		3	35
Toluene	<0.00200	U F1	0.100	0.03297	F1	mg/Kg		33	70 - 130		10	35
Ethylbenzene	<0.00200	U F1	0.100	0.02657	F1	mg/Kg		27	70 - 130		6	35
m-Xylene & p-Xylene	<0.00401	U F1 F2	0.200	0.01241	F1 F2	mg/Kg		6	70 - 130		61	35
o-Xylene	<0.00200	U F1	0.100	0.03183	F1	mg/Kg		32	70 - 130		4	35

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

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

Lab Sample ID: MB 880-92452/1-A

Matrix: Solid

Analysis Batch: 92616

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92452

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/03/24 09:27	10/04/24 07:48	1

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7193-1
SDG: 2402

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

Lab Sample ID: MB 880-92452/1-A

Matrix: Solid

Analysis Batch: 92616

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92452

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/03/24 09:27	10/04/24 07:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/03/24 09:27	10/04/24 07:48	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	169	S1+	70 - 130				10/03/24 09:27	10/04/24 07:48	1
o-Terphenyl	158	S1+	70 - 130				10/03/24 09:27	10/04/24 07:48	1

Lab Sample ID: LCS 880-92452/2-A

Matrix: Solid

Analysis Batch: 92616

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92452

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	999.0		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1026		mg/Kg		103	70 - 130		
Surrogate	LCS	LCS	Limits						
1-Chlorooctane	126		70 - 130						
o-Terphenyl	127		70 - 130						

Lab Sample ID: LCSD 880-92452/3-A

Matrix: Solid

Analysis Batch: 92616

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92452

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1218		mg/Kg		122	70 - 130	20	20
Diesel Range Organics (Over C10-C28)	1000	1348	*+ *1	mg/Kg		135	70 - 130	27	20
Surrogate	LCSD	LCSD	Limits						
1-Chlorooctane	165	S1+	70 - 130						
o-Terphenyl	166	S1+	70 - 130						

Lab Sample ID: 890-7193-1 MS

Matrix: Solid

Analysis Batch: 92616

Client Sample ID: SW-1

Prep Type: Total/NA

Prep Batch: 92452

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
	Result	Qualifier									
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	998.9		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U *+ *1	999	925.7		mg/Kg		93	70 - 130		
Surrogate	MS	MS	Limits								
1-Chlorooctane	112		70 - 130								
o-Terphenyl	116		70 - 130								

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7193-1
SDG: 2402

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

Lab Sample ID: 890-7193-1 MSD										Client Sample ID: SW-1		
Matrix: Solid										Prep Type: Total/NA		
Analysis Batch: 92616										Prep Batch: 92452		
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	<49.8	U	999	957.3		mg/Kg		96	70 - 130	4	20	
Diesel Range Organics (Over C10-C28)	<49.8	U *+ *1	999	905.4		mg/Kg		91	70 - 130	2	20	
	MSD %Recovery	MSD Qualifier										
Surrogate			Limits									
1-Chlorooctane	107		70 - 130									
o-Terphenyl	110		70 - 130									

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7193-1
SDG: 2402

GC VOA

Prep Batch: 92484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-92484/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 92485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7193-1	SW-1	Total/NA	Solid	5035	
890-7193-2	SW-2	Total/NA	Solid	5035	
890-7193-3	SW-3	Total/NA	Solid	5035	
MB 880-92485/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-92485/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-92485/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7192-A-21-C MS	Matrix Spike	Total/NA	Solid	5035	
890-7192-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 92639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7193-1	SW-1	Total/NA	Solid	8021B	92485
890-7193-2	SW-2	Total/NA	Solid	8021B	92485
890-7193-3	SW-3	Total/NA	Solid	8021B	92485
MB 880-92484/5-A	Method Blank	Total/NA	Solid	8021B	92484
MB 880-92485/5-A	Method Blank	Total/NA	Solid	8021B	92485
LCS 880-92485/1-A	Lab Control Sample	Total/NA	Solid	8021B	92485
LCSD 880-92485/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	92485
890-7192-A-21-C MS	Matrix Spike	Total/NA	Solid	8021B	92485
890-7192-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	92485

Analysis Batch: 92772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7193-1	SW-1	Total/NA	Solid	Total BTEX	
890-7193-2	SW-2	Total/NA	Solid	Total BTEX	
890-7193-3	SW-3	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 92452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7193-1	SW-1	Total/NA	Solid	8015NM Prep	
890-7193-2	SW-2	Total/NA	Solid	8015NM Prep	
890-7193-3	SW-3	Total/NA	Solid	8015NM Prep	
MB 880-92452/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92452/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92452/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7193-1 MS	SW-1	Total/NA	Solid	8015NM Prep	
890-7193-1 MSD	SW-1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 92616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7193-1	SW-1	Total/NA	Solid	8015B NM	92452
890-7193-2	SW-2	Total/NA	Solid	8015B NM	92452
890-7193-3	SW-3	Total/NA	Solid	8015B NM	92452
MB 880-92452/1-A	Method Blank	Total/NA	Solid	8015B NM	92452
LCS 880-92452/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92452

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7193-1
SDG: 2402

GC Semi VOA (Continued)

Analysis Batch: 92616 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-92452/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92452
890-7193-1 MS	SW-1	Total/NA	Solid	8015B NM	92452
890-7193-1 MSD	SW-1	Total/NA	Solid	8015B NM	92452

Analysis Batch: 92721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7193-1	SW-1	Total/NA	Solid	8015 NM	
890-7193-2	SW-2	Total/NA	Solid	8015 NM	
890-7193-3	SW-3	Total/NA	Solid	8015 NM	

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7193-1
SDG: 2402

Client Sample ID: SW-1

Lab Sample ID: 890-7193-1

Date Collected: 10/02/24 10:00

Matrix: Solid

Date Received: 10/02/24 16:13

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	92485	10/03/24 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/08/24 00:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92772	10/08/24 00:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			92721	10/04/24 17:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92452	10/03/24 09:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92616	10/04/24 17:42	TKC	EET MID

Client Sample ID: SW-2

Lab Sample ID: 890-7193-2

Date Collected: 10/02/24 10:05

Matrix: Solid

Date Received: 10/02/24 16:13

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	92485	10/03/24 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/08/24 01:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92772	10/08/24 01:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			92721	10/04/24 18:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	92452	10/03/24 09:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92616	10/04/24 18:33	TKC	EET MID

Client Sample ID: SW-3

Lab Sample ID: 890-7193-3

Date Collected: 10/02/24 10:10

Matrix: Solid

Date Received: 10/02/24 16:13

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	92485	10/03/24 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92639	10/08/24 01:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92772	10/08/24 01:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			92721	10/04/24 18:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92452	10/03/24 09:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92616	10/04/24 18:49	TKC	EET MID

Laboratory References:

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

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Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7193-1
SDG: 2402

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	06-30-25
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: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7193-1
SDG: 2402

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID

Protocol References:

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:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal COM CTB

Job ID: 890-7193-1
SDG: 2402

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7193-1	SW-1	Solid	10/02/24 10:00	10/02/24 16:13	0-1
890-7193-2	SW-2	Solid	10/02/24 10:05	10/02/24 16:13	0-1
890-7193-3	SW-3	Solid	10/02/24 10:10	10/02/24 16:13	0-1

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Environment Testing
Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net

Program:	1
State of Pr	890-7193 Chain of Custody
Reporting: Level	1
Deliverables: EDD	☐ ADAPT ☐ Other:



Project Name:	Chicken Noodle Federal Com CTB	Turn Around	☒ Routine ☐ Rush	Pres. Code		ANALYSIS REQUEST																Preservative Codes															
Project Number:	2402	Due Date:	5 Day TAT																			None: NO	DI Water: H ₂ O														
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm																				Cool: Cool	MeOH: Me														
Sampler's Name:	Gilbert Moreno																					HCL: HC	HNO ₃ : HN														
PO #:																						H ₂ SO ₄ : H ₂	NaOH: Na														
SAMPLE RECEIPT	Temp Blank:	Yes No	Well Ice:	Yes No																		H ₃ PO ₄ : HP															
Samples Received Intact:	Yes No	Thermometer ID:																				NaHSO ₄ : NABIS															
Cooler Custody Seals:	Yes No	Correction Factor:																				Na ₂ S ₂ O ₃ : NaSO ₃															
Sample Custody Seals:	Yes No	Temperature Reading:																				Zn Acetate+NaOH: Zn															
Total Containers:		Corrected Temperature:																				NaOH+Ascorbic Acid: SAPC															
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp	# of Cont	TPH	Chloride-24 HR Rush	BTEX	Hold																Sample Comments											
SW-1	S	10/2/2024	10:00	0-1	Comp	1	X	X	X																	Incident Number											
SW-2	S	10/2/2024	10:05	0-1	Comp	1	X	X	X																	nAPP2423129926											
SW-3	S	10/2/2024	10:10	0-1	Comp	1	X	X	X																												

C. Garcia

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 SiO ₂ Na Sr Ti Sn U V Zn	
Circle Method(s) and Metal(s) to be analyzed		Hg: 1631 / 245.1 / 7470 / 7471				

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins 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 Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins 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
<i>C. Garcia</i>	<i>adch</i>	10/07/2024			

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-7193-1

SDG Number: 2402

Login Number: 7193

List Source: Eurofins Carlsbad

List Number: 1

Creator: Lopez, Abraham

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.	N/A	Refer to Job Narrative for details.
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: Earth Systems Response and Restoration

Job Number: 890-7193-1
SDG Number: 2402

Login Number: 7193
List Number: 2
Creator: Vasquez, Julisa

List Source: Eurofins Midland
List Creation: 10/03/24 08:19 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	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Kris Williams
Earth Systems Response and Restoration
4115 South County Road 1297
Odessa, Texas 79765

Generated 10/9/2024 11:39:27 AM

JOB DESCRIPTION

Chicken Noodle Federal Com CTB
Eddy County NM

JOB NUMBER

890-7209-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

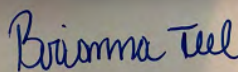
Eurofins Carlsbad

Job Notes

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

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
10/9/2024 11:39:27 AM

Authorized for release by
Brianna Teel, Project Manager
Brianna.Teel@et.eurofinsus.com
(432)704-5440

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Laboratory Job ID: 890-7209-1
SDG: Eddy County NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
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: Earth Systems Response and Restoration
Project: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1

Job ID: 890-7209-1**Eurofins Carlsbad****Job Narrative
890-7209-1**

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

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

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

Receipt

The samples were received on 10/4/2024 9:24 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS - 35 (890-7209-1), CS - 36 (890-7209-2), CS - 37 (890-7209-3), CS - 38 (890-7209-4), CS - 39 (890-7209-5), CS - 40 (890-7209-6), CS - 41 (890-7209-7), CS - 42 (890-7209-8), CS - 43 (890-7209-9), CS - 44 (890-7209-10), CS - 45 (890-7209-11), CS - 46 (890-7209-12), CS - 47 (890-7209-13), CS - 48 (890-7209-14), CS - 49 (890-7209-15), CS - 50 (890-7209-16), CS - 51 (890-7209-17), CS - 52 (890-7209-18), CS - 53 (890-7209-19), CS - 54 (890-7209-20), CS - 55 (890-7209-21), CS - 56 (890-7209-22), CS - 57 (890-7209-23), CS - 58 (890-7209-24), CS - 59 (890-7209-25), CS - 60 (890-7209-26), CS - 61 (890-7209-27), CS - 62 (890-7209-28), CS - 63 (890-7209-29), CS - 64 (890-7209-30), CS - 65 (890-7209-31), CS - 66 (890-7209-32), CS - 67 (890-7209-33), CS - 68 (890-7209-34), CS - 69 (890-7209-35), CS - 70 (890-7209-36), CS - 71 (890-7209-37), CS - 16 (890-7209-38), CS - 17 (890-7209-39), CS - 77 (890-7209-40) and CS - 78 (890-7209-41).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-92677 and analytical batch 880-92754 was outside the upper control limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-92651 recovered under the lower control limit for Toluene and Ethylbenzene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-92755 recovered above the upper control limit for Ethylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-92755/33).

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS - 56 (890-7209-22), (CCV 880-92727/32) and (CCV 880-92727/6). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: CS - 59 (890-7209-25). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: CS - 17 (890-7209-39). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-92730 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated samples are impacted: (CCV 880-92730/21) and (CCV 880-92730/57).

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-92727 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). An acceptable CCV was

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Case Narrative

Client: Earth Systems Response and Restoration
Project: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1

Job ID: 890-7209-1 (Continued) **Eurofins Carlsbad**

ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-92727/21).

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

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 35

Lab Sample ID: 890-7209-1

Date Collected: 10/03/24 08:00

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:26	10/08/24 12:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:26	10/08/24 12:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:26	10/08/24 12:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/07/24 10:26	10/08/24 12:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:26	10/08/24 12:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/07/24 10:26	10/08/24 12:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	10/07/24 10:26	10/08/24 12:15	1
1,4-Difluorobenzene (Surr)	116		70 - 130	10/07/24 10:26	10/08/24 12:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/08/24 12:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/08/24 05:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/04/24 15:21	10/08/24 05:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/04/24 15:21	10/08/24 05:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/04/24 15:21	10/08/24 05:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	10/04/24 15:21	10/08/24 05:12	1
o-Terphenyl	107		70 - 130	10/04/24 15:21	10/08/24 05:12	1

Client Sample ID: CS - 36

Lab Sample ID: 890-7209-2

Date Collected: 10/03/24 08:05

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:26	10/08/24 12:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:26	10/08/24 12:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:26	10/08/24 12:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/07/24 10:26	10/08/24 12:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:26	10/08/24 12:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/07/24 10:26	10/08/24 12:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	10/07/24 10:26	10/08/24 12:36	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/07/24 10:26	10/08/24 12:36	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 36

Lab Sample ID: 890-7209-2

Date Collected: 10/03/24 08:05

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/08/24 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/08/24 05:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/04/24 15:21	10/08/24 05:27	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/04/24 15:21	10/08/24 05:27	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/04/24 15:21	10/08/24 05:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				10/04/24 15:21	10/08/24 05:27	1
o-Terphenyl	103		70 - 130				10/04/24 15:21	10/08/24 05:27	1

Client Sample ID: CS - 37

Lab Sample ID: 890-7209-3

Date Collected: 10/03/24 08:10

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:26	10/08/24 12:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:26	10/08/24 12:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:26	10/08/24 12:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/07/24 10:26	10/08/24 12:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:26	10/08/24 12:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/07/24 10:26	10/08/24 12:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				10/07/24 10:26	10/08/24 12:56	1
1,4-Difluorobenzene (Surr)	115		70 - 130				10/07/24 10:26	10/08/24 12:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/08/24 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/08/24 05:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/04/24 15:21	10/08/24 05:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/04/24 15:21	10/08/24 05:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/04/24 15:21	10/08/24 05:43	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 37

Lab Sample ID: 890-7209-3

Date Collected: 10/03/24 08:10

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	10/04/24 15:21	10/08/24 05:43	1
o-Terphenyl	111		70 - 130	10/04/24 15:21	10/08/24 05:43	1

Client Sample ID: CS - 38

Lab Sample ID: 890-7209-4

Date Collected: 10/03/24 08:15

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:26	10/08/24 13:17	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:26	10/08/24 13:17	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:26	10/08/24 13:17	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/07/24 10:26	10/08/24 13:17	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:26	10/08/24 13:17	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/07/24 10:26	10/08/24 13:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				10/07/24 10:26	10/08/24 13:17	1
1,4-Difluorobenzene (Surr)	114		70 - 130				10/07/24 10:26	10/08/24 13:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/08/24 13:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/08/24 05:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/04/24 15:21	10/08/24 05:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/04/24 15:21	10/08/24 05:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/04/24 15:21	10/08/24 05:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				10/04/24 15:21	10/08/24 05:58	1
o-Terphenyl	110		70 - 130				10/04/24 15:21	10/08/24 05:58	1

Client Sample ID: CS - 39

Lab Sample ID: 890-7209-5

Date Collected: 10/03/24 08:20

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:26	10/08/24 13:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:26	10/08/24 13:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:26	10/08/24 13:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/07/24 10:26	10/08/24 13:37	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 39

Lab Sample ID: 890-7209-5

Date Collected: 10/03/24 08:20

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:26	10/08/24 13:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/07/24 10:26	10/08/24 13:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				10/07/24 10:26	10/08/24 13:37	1
1,4-Difluorobenzene (Surr)	110		70 - 130				10/07/24 10:26	10/08/24 13:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/08/24 13:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/08/24 06:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/04/24 15:21	10/08/24 06:14	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/04/24 15:21	10/08/24 06:14	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/04/24 15:21	10/08/24 06:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				10/04/24 15:21	10/08/24 06:14	1
o-Terphenyl	105		70 - 130				10/04/24 15:21	10/08/24 06:14	1

Client Sample ID: CS - 40

Lab Sample ID: 890-7209-6

Date Collected: 10/03/24 08:25

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/07/24 10:26	10/08/24 13:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/07/24 10:26	10/08/24 13:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/07/24 10:26	10/08/24 13:57	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/07/24 10:26	10/08/24 13:57	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/07/24 10:26	10/08/24 13:57	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/07/24 10:26	10/08/24 13:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				10/07/24 10:26	10/08/24 13:57	1
1,4-Difluorobenzene (Surr)	114		70 - 130				10/07/24 10:26	10/08/24 13:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/08/24 13:57	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 40

Lab Sample ID: 890-7209-6

Date Collected: 10/03/24 08:25

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/08/24 06:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/04/24 15:21	10/08/24 06:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/04/24 15:21	10/08/24 06:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/04/24 15:21	10/08/24 06:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				10/04/24 15:21	10/08/24 06:29	1
o-Terphenyl	109		70 - 130				10/04/24 15:21	10/08/24 06:29	1

Client Sample ID: CS - 41

Lab Sample ID: 890-7209-7

Date Collected: 10/03/24 08:30

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 2

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:26	10/08/24 14:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:26	10/08/24 14:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:26	10/08/24 14:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/07/24 10:26	10/08/24 14:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:26	10/08/24 14:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/07/24 10:26	10/08/24 14:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				10/07/24 10:26	10/08/24 14:18	1
1,4-Difluorobenzene (Surr)	113		70 - 130				10/07/24 10:26	10/08/24 14:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/08/24 14:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/08/24 06:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/04/24 15:21	10/08/24 06:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/04/24 15:21	10/08/24 06:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/04/24 15:21	10/08/24 06:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				10/04/24 15:21	10/08/24 06:45	1
o-Terphenyl	104		70 - 130				10/04/24 15:21	10/08/24 06:45	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 42

Lab Sample ID: 890-7209-8

Date Collected: 10/03/24 08:35

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 2

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:26	10/08/24 14:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:26	10/08/24 14:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:26	10/08/24 14:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/07/24 10:26	10/08/24 14:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:26	10/08/24 14:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/07/24 10:26	10/08/24 14:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	10/07/24 10:26	10/08/24 14:39	1
1,4-Difluorobenzene (Surr)	118		70 - 130	10/07/24 10:26	10/08/24 14:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/08/24 14:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/08/24 07:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/04/24 15:21	10/08/24 07:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/04/24 15:21	10/08/24 07:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/04/24 15:21	10/08/24 07:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	10/04/24 15:21	10/08/24 07:00	1
o-Terphenyl	104		70 - 130	10/04/24 15:21	10/08/24 07:00	1

Client Sample ID: CS - 43

Lab Sample ID: 890-7209-9

Date Collected: 10/03/24 08:40

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 2

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/07/24 10:26	10/08/24 14:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/07/24 10:26	10/08/24 14:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/07/24 10:26	10/08/24 14:59	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/07/24 10:26	10/08/24 14:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/07/24 10:26	10/08/24 14:59	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/07/24 10:26	10/08/24 14:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	10/07/24 10:26	10/08/24 14:59	1
1,4-Difluorobenzene (Surr)	129		70 - 130	10/07/24 10:26	10/08/24 14:59	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 43

Lab Sample ID: 890-7209-9

Date Collected: 10/03/24 08:40

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 2

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/08/24 14:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/08/24 07:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/04/24 15:21	10/08/24 07:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/04/24 15:21	10/08/24 07:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/04/24 15:21	10/08/24 07:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				10/04/24 15:21	10/08/24 07:15	1
o-Terphenyl	109		70 - 130				10/04/24 15:21	10/08/24 07:15	1

Client Sample ID: CS - 44

Lab Sample ID: 890-7209-10

Date Collected: 10/03/24 08:45

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 2

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:26	10/08/24 15:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:26	10/08/24 15:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:26	10/08/24 15:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/07/24 10:26	10/08/24 15:20	1
o-Xylene	0.00231		0.00199		mg/Kg		10/07/24 10:26	10/08/24 15:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/07/24 10:26	10/08/24 15:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				10/07/24 10:26	10/08/24 15:20	1
1,4-Difluorobenzene (Surr)	114		70 - 130				10/07/24 10:26	10/08/24 15:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/08/24 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/08/24 07:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/04/24 15:21	10/08/24 07:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/04/24 15:21	10/08/24 07:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/04/24 15:21	10/08/24 07:30	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 44

Lab Sample ID: 890-7209-10

Date Collected: 10/03/24 08:45

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	10/04/24 15:21	10/08/24 07:30	1
o-Terphenyl	107		70 - 130	10/04/24 15:21	10/08/24 07:30	1

Client Sample ID: CS - 45

Lab Sample ID: 890-7209-11

Date Collected: 10/03/24 08:50

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 2

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:26	10/08/24 17:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:26	10/08/24 17:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:26	10/08/24 17:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/07/24 10:26	10/08/24 17:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:26	10/08/24 17:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/07/24 10:26	10/08/24 17:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				10/07/24 10:26	10/08/24 17:10	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/07/24 10:26	10/08/24 17:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/08/24 17:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/07/24 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/04/24 15:24	10/07/24 17:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/04/24 15:24	10/07/24 17:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/04/24 15:24	10/07/24 17:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				10/04/24 15:24	10/07/24 17:33	1
o-Terphenyl	75		70 - 130				10/04/24 15:24	10/07/24 17:33	1

Client Sample ID: CS - 46

Lab Sample ID: 890-7209-12

Date Collected: 10/03/24 08:55

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:26	10/08/24 17:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:26	10/08/24 17:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:26	10/08/24 17:31	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/07/24 10:26	10/08/24 17:31	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 46

Lab Sample ID: 890-7209-12

Date Collected: 10/03/24 08:55

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:26	10/08/24 17:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/07/24 10:26	10/08/24 17:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				10/07/24 10:26	10/08/24 17:31	1
1,4-Difluorobenzene (Surr)	111		70 - 130				10/07/24 10:26	10/08/24 17:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/08/24 17:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/07/24 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/04/24 15:24	10/07/24 18:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/04/24 15:24	10/07/24 18:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/04/24 15:24	10/07/24 18:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				10/04/24 15:24	10/07/24 18:56	1
o-Terphenyl	74		70 - 130				10/04/24 15:24	10/07/24 18:56	1

Client Sample ID: CS - 47

Lab Sample ID: 890-7209-13

Date Collected: 10/03/24 09:00

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:26	10/08/24 17:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:26	10/08/24 17:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:26	10/08/24 17:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/07/24 10:26	10/08/24 17:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:26	10/08/24 17:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/07/24 10:26	10/08/24 17:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				10/07/24 10:26	10/08/24 17:51	1
1,4-Difluorobenzene (Surr)	112		70 - 130				10/07/24 10:26	10/08/24 17:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/08/24 17:51	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 47

Lab Sample ID: 890-7209-13

Date Collected: 10/03/24 09:00

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/07/24 19:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/04/24 15:24	10/07/24 19:11	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/04/24 15:24	10/07/24 19:11	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/04/24 15:24	10/07/24 19:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				10/04/24 15:24	10/07/24 19:11	1
o-Terphenyl	71		70 - 130				10/04/24 15:24	10/07/24 19:11	1

Client Sample ID: CS - 48

Lab Sample ID: 890-7209-14

Date Collected: 10/03/24 09:05

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:26	10/08/24 18:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:26	10/08/24 18:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:26	10/08/24 18:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/07/24 10:26	10/08/24 18:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:26	10/08/24 18:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/07/24 10:26	10/08/24 18:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				10/07/24 10:26	10/08/24 18:12	1
1,4-Difluorobenzene (Surr)	103		70 - 130				10/07/24 10:26	10/08/24 18:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/08/24 18:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/07/24 19:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/04/24 15:24	10/07/24 19:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/04/24 15:24	10/07/24 19:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/04/24 15:24	10/07/24 19:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				10/04/24 15:24	10/07/24 19:26	1
o-Terphenyl	84		70 - 130				10/04/24 15:24	10/07/24 19:26	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 49

Lab Sample ID: 890-7209-15

Date Collected: 10/03/24 09:10

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:26	10/08/24 18:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:26	10/08/24 18:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:26	10/08/24 18:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/07/24 10:26	10/08/24 18:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:26	10/08/24 18:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/07/24 10:26	10/08/24 18:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	10/07/24 10:26	10/08/24 18:32	1
1,4-Difluorobenzene (Surr)	110		70 - 130	10/07/24 10:26	10/08/24 18:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/08/24 18:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/07/24 19:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/04/24 15:24	10/07/24 19:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/04/24 15:24	10/07/24 19:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/04/24 15:24	10/07/24 19:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	10/04/24 15:24	10/07/24 19:41	1
o-Terphenyl	76		70 - 130	10/04/24 15:24	10/07/24 19:41	1

Client Sample ID: CS - 50

Lab Sample ID: 890-7209-16

Date Collected: 10/03/24 09:15

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:26	10/08/24 18:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:26	10/08/24 18:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:26	10/08/24 18:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/07/24 10:26	10/08/24 18:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:26	10/08/24 18:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/07/24 10:26	10/08/24 18:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	10/07/24 10:26	10/08/24 18:53	1
1,4-Difluorobenzene (Surr)	111		70 - 130	10/07/24 10:26	10/08/24 18:53	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 50

Lab Sample ID: 890-7209-16

Date Collected: 10/03/24 09:15

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/08/24 18:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/07/24 19:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/04/24 15:24	10/07/24 19:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/04/24 15:24	10/07/24 19:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/04/24 15:24	10/07/24 19:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				10/04/24 15:24	10/07/24 19:57	1
o-Terphenyl	78		70 - 130				10/04/24 15:24	10/07/24 19:57	1

Client Sample ID: CS - 51

Lab Sample ID: 890-7209-17

Date Collected: 10/03/24 09:20

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:26	10/08/24 19:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:26	10/08/24 19:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:26	10/08/24 19:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/07/24 10:26	10/08/24 19:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:26	10/08/24 19:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/07/24 10:26	10/08/24 19:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				10/07/24 10:26	10/08/24 19:13	1
1,4-Difluorobenzene (Surr)	117		70 - 130				10/07/24 10:26	10/08/24 19:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/08/24 19:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/07/24 20:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/04/24 15:24	10/07/24 20:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/04/24 15:24	10/07/24 20:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/04/24 15:24	10/07/24 20:12	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 51

Lab Sample ID: 890-7209-17

Date Collected: 10/03/24 09:20

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	10/04/24 15:24	10/07/24 20:12	1
o-Terphenyl	73		70 - 130	10/04/24 15:24	10/07/24 20:12	1

Client Sample ID: CS - 52

Lab Sample ID: 890-7209-18

Date Collected: 10/03/24 09:25

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:26	10/08/24 19:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:26	10/08/24 19:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:26	10/08/24 19:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/07/24 10:26	10/08/24 19:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:26	10/08/24 19:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/07/24 10:26	10/08/24 19:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				10/07/24 10:26	10/08/24 19:33	1
1,4-Difluorobenzene (Surr)	106		70 - 130				10/07/24 10:26	10/08/24 19:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/08/24 19:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/07/24 20:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/04/24 15:24	10/07/24 20:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/04/24 15:24	10/07/24 20:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/04/24 15:24	10/07/24 20:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				10/04/24 15:24	10/07/24 20:27	1
o-Terphenyl	81		70 - 130				10/04/24 15:24	10/07/24 20:27	1

Client Sample ID: CS - 53

Lab Sample ID: 890-7209-19

Date Collected: 10/03/24 09:45

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:26	10/08/24 19:54	1
Toluene	0.00270		0.00199		mg/Kg		10/07/24 10:26	10/08/24 19:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:26	10/08/24 19:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/07/24 10:26	10/08/24 19:54	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 53

Lab Sample ID: 890-7209-19

Date Collected: 10/03/24 09:45

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:26	10/08/24 19:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/07/24 10:26	10/08/24 19:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				10/07/24 10:26	10/08/24 19:54	1
1,4-Difluorobenzene (Surr)	116		70 - 130				10/07/24 10:26	10/08/24 19:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/08/24 19:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/07/24 20:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/04/24 15:24	10/07/24 20:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/04/24 15:24	10/07/24 20:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/04/24 15:24	10/07/24 20:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				10/04/24 15:24	10/07/24 20:43	1
o-Terphenyl	79		70 - 130				10/04/24 15:24	10/07/24 20:43	1

Client Sample ID: CS - 54

Lab Sample ID: 890-7209-20

Date Collected: 10/03/24 09:50

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:26	10/08/24 20:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:26	10/08/24 20:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:26	10/08/24 20:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/07/24 10:26	10/08/24 20:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:26	10/08/24 20:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/07/24 10:26	10/08/24 20:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				10/07/24 10:26	10/08/24 20:14	1
1,4-Difluorobenzene (Surr)	111		70 - 130				10/07/24 10:26	10/08/24 20:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/08/24 20:14	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 54

Lab Sample ID: 890-7209-20

Date Collected: 10/03/24 09:50

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			10/07/24 20:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		10/04/24 15:24	10/07/24 20:58	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		10/04/24 15:24	10/07/24 20:58	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/04/24 15:24	10/07/24 20:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				10/04/24 15:24	10/07/24 20:58	1
o-Terphenyl	81		70 - 130				10/04/24 15:24	10/07/24 20:58	1

Client Sample ID: CS - 55

Lab Sample ID: 890-7209-21

Date Collected: 10/03/24 09:55

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:28	10/08/24 11:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:28	10/08/24 11:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:28	10/08/24 11:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/07/24 10:28	10/08/24 11:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:28	10/08/24 11:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/07/24 10:28	10/08/24 11:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				10/07/24 10:28	10/08/24 11:42	1
1,4-Difluorobenzene (Surr)	94		70 - 130				10/07/24 10:28	10/08/24 11:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/08/24 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/07/24 21:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/04/24 15:24	10/07/24 21:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/04/24 15:24	10/07/24 21:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/04/24 15:24	10/07/24 21:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				10/04/24 15:24	10/07/24 21:29	1
o-Terphenyl	87		70 - 130				10/04/24 15:24	10/07/24 21:29	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 56

Lab Sample ID: 890-7209-22

Date Collected: 10/03/24 10:00

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:28	10/08/24 12:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:28	10/08/24 12:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:28	10/08/24 12:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/07/24 10:28	10/08/24 12:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:28	10/08/24 12:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/07/24 10:28	10/08/24 12:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	10/07/24 10:28	10/08/24 12:03	1
1,4-Difluorobenzene (Surr)	88		70 - 130	10/07/24 10:28	10/08/24 12:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/08/24 12:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			10/07/24 21:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		10/04/24 15:24	10/07/24 21:44	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		10/04/24 15:24	10/07/24 21:44	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/04/24 15:24	10/07/24 21:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	10/04/24 15:24	10/07/24 21:44	1
o-Terphenyl	67	S1-	70 - 130	10/04/24 15:24	10/07/24 21:44	1

Client Sample ID: CS - 57

Lab Sample ID: 890-7209-23

Date Collected: 10/03/24 10:05

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:28	10/08/24 12:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:28	10/08/24 12:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:28	10/08/24 12:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/07/24 10:28	10/08/24 12:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:28	10/08/24 12:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/07/24 10:28	10/08/24 12:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	10/07/24 10:28	10/08/24 12:23	1
1,4-Difluorobenzene (Surr)	88		70 - 130	10/07/24 10:28	10/08/24 12:23	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 57

Lab Sample ID: 890-7209-23

Date Collected: 10/03/24 10:05

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/08/24 12:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/07/24 21:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/04/24 15:24	10/07/24 21:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/04/24 15:24	10/07/24 21:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/04/24 15:24	10/07/24 21:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				10/04/24 15:24	10/07/24 21:59	1
o-Terphenyl	78		70 - 130				10/04/24 15:24	10/07/24 21:59	1

Client Sample ID: CS - 58

Lab Sample ID: 890-7209-24

Date Collected: 10/03/24 10:10

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:28	10/08/24 12:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:28	10/08/24 12:44	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:28	10/08/24 12:44	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/07/24 10:28	10/08/24 12:44	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:28	10/08/24 12:44	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/07/24 10:28	10/08/24 12:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				10/07/24 10:28	10/08/24 12:44	1
1,4-Difluorobenzene (Surr)	93		70 - 130				10/07/24 10:28	10/08/24 12:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/08/24 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/07/24 22:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/04/24 15:24	10/07/24 22:16	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/04/24 15:24	10/07/24 22:16	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/04/24 15:24	10/07/24 22:16	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 58

Lab Sample ID: 890-7209-24

Date Collected: 10/03/24 10:10

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	10/04/24 15:24	10/07/24 22:16	1
o-Terphenyl	72		70 - 130	10/04/24 15:24	10/07/24 22:16	1

Client Sample ID: CS - 59

Lab Sample ID: 890-7209-25

Date Collected: 10/03/24 10:15

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:28	10/08/24 13:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:28	10/08/24 13:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:28	10/08/24 13:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/07/24 10:28	10/08/24 13:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:28	10/08/24 13:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/07/24 10:28	10/08/24 13:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				10/07/24 10:28	10/08/24 13:04	1
1,4-Difluorobenzene (Surr)	89		70 - 130				10/07/24 10:28	10/08/24 13:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/08/24 13:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/07/24 22:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/04/24 15:24	10/07/24 22:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/04/24 15:24	10/07/24 22:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/04/24 15:24	10/07/24 22:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130				10/04/24 15:24	10/07/24 22:31	1
o-Terphenyl	55	S1-	70 - 130				10/04/24 15:24	10/07/24 22:31	1

Client Sample ID: CS - 60

Lab Sample ID: 890-7209-26

Date Collected: 10/03/24 10:20

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/07/24 10:28	10/08/24 13:25	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/07/24 10:28	10/08/24 13:25	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/07/24 10:28	10/08/24 13:25	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/07/24 10:28	10/08/24 13:25	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 60

Lab Sample ID: 890-7209-26

Date Collected: 10/03/24 10:20

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/07/24 10:28	10/08/24 13:25	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/07/24 10:28	10/08/24 13:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				10/07/24 10:28	10/08/24 13:25	1
1,4-Difluorobenzene (Surr)	91		70 - 130				10/07/24 10:28	10/08/24 13:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/08/24 13:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/07/24 22:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/04/24 15:24	10/07/24 22:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/04/24 15:24	10/07/24 22:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/04/24 15:24	10/07/24 22:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				10/04/24 15:24	10/07/24 22:46	1
o-Terphenyl	76		70 - 130				10/04/24 15:24	10/07/24 22:46	1

Client Sample ID: CS - 61

Lab Sample ID: 890-7209-27

Date Collected: 10/03/24 10:25

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:28	10/08/24 13:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:28	10/08/24 13:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:28	10/08/24 13:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/07/24 10:28	10/08/24 13:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:28	10/08/24 13:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/07/24 10:28	10/08/24 13:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				10/07/24 10:28	10/08/24 13:46	1
1,4-Difluorobenzene (Surr)	95		70 - 130				10/07/24 10:28	10/08/24 13:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/08/24 13:46	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 61

Lab Sample ID: 890-7209-27

Date Collected: 10/03/24 10:25

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/07/24 23:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/04/24 15:24	10/07/24 23:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/04/24 15:24	10/07/24 23:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/04/24 15:24	10/07/24 23:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				10/04/24 15:24	10/07/24 23:02	1
o-Terphenyl	80		70 - 130				10/04/24 15:24	10/07/24 23:02	1

Client Sample ID: CS - 62

Lab Sample ID: 890-7209-28

Date Collected: 10/03/24 10:30

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:28	10/08/24 14:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:28	10/08/24 14:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:28	10/08/24 14:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/07/24 10:28	10/08/24 14:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:28	10/08/24 14:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/07/24 10:28	10/08/24 14:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				10/07/24 10:28	10/08/24 14:06	1
1,4-Difluorobenzene (Surr)	93		70 - 130				10/07/24 10:28	10/08/24 14:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/08/24 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/07/24 23:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/04/24 15:24	10/07/24 23:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/04/24 15:24	10/07/24 23:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/04/24 15:24	10/07/24 23:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				10/04/24 15:24	10/07/24 23:17	1
o-Terphenyl	74		70 - 130				10/04/24 15:24	10/07/24 23:17	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 63

Lab Sample ID: 890-7209-29

Date Collected: 10/03/24 10:35

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/07/24 10:28	10/08/24 14:27	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/07/24 10:28	10/08/24 14:27	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/07/24 10:28	10/08/24 14:27	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/07/24 10:28	10/08/24 14:27	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/07/24 10:28	10/08/24 14:27	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/07/24 10:28	10/08/24 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	10/07/24 10:28	10/08/24 14:27	1
1,4-Difluorobenzene (Surr)	91		70 - 130	10/07/24 10:28	10/08/24 14:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/08/24 14:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/07/24 23:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/04/24 15:24	10/07/24 23:34	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/04/24 15:24	10/07/24 23:34	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/04/24 15:24	10/07/24 23:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	10/04/24 15:24	10/07/24 23:34	1
o-Terphenyl	73		70 - 130	10/04/24 15:24	10/07/24 23:34	1

Client Sample ID: CS - 64

Lab Sample ID: 890-7209-30

Date Collected: 10/03/24 10:40

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:28	10/08/24 14:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:28	10/08/24 14:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:28	10/08/24 14:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/07/24 10:28	10/08/24 14:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:28	10/08/24 14:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/07/24 10:28	10/08/24 14:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	10/07/24 10:28	10/08/24 14:48	1
1,4-Difluorobenzene (Surr)	89		70 - 130	10/07/24 10:28	10/08/24 14:48	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 64

Lab Sample ID: 890-7209-30

Date Collected: 10/03/24 10:40

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/08/24 14:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/07/24 23:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/04/24 15:24	10/07/24 23:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/04/24 15:24	10/07/24 23:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/04/24 15:24	10/07/24 23:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				10/04/24 15:24	10/07/24 23:48	1
o-Terphenyl	80		70 - 130				10/04/24 15:24	10/07/24 23:48	1

Client Sample ID: CS - 65

Lab Sample ID: 890-7209-31

Date Collected: 10/03/24 10:45

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:28	10/08/24 16:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:28	10/08/24 16:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:28	10/08/24 16:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/07/24 10:28	10/08/24 16:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:28	10/08/24 16:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/07/24 10:28	10/08/24 16:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				10/07/24 10:28	10/08/24 16:13	1
1,4-Difluorobenzene (Surr)	92		70 - 130				10/07/24 10:28	10/08/24 16:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/08/24 16:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/07/24 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/04/24 15:29	10/07/24 17:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/04/24 15:29	10/07/24 17:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/04/24 15:29	10/07/24 17:33	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 65

Lab Sample ID: 890-7209-31

Date Collected: 10/03/24 10:45

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	10/04/24 15:29	10/07/24 17:33	1
o-Terphenyl	99		70 - 130	10/04/24 15:29	10/07/24 17:33	1

Client Sample ID: CS - 66

Lab Sample ID: 890-7209-32

Date Collected: 10/03/24 10:50

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:28	10/08/24 16:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:28	10/08/24 16:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:28	10/08/24 16:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/07/24 10:28	10/08/24 16:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:28	10/08/24 16:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/07/24 10:28	10/08/24 16:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				10/07/24 10:28	10/08/24 16:34	1
1,4-Difluorobenzene (Surr)	90		70 - 130				10/07/24 10:28	10/08/24 16:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/08/24 16:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/07/24 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/04/24 15:29	10/07/24 18:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/04/24 15:29	10/07/24 18:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/04/24 15:29	10/07/24 18:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				10/04/24 15:29	10/07/24 18:56	1
o-Terphenyl	99		70 - 130				10/04/24 15:29	10/07/24 18:56	1

Client Sample ID: CS - 67

Lab Sample ID: 890-7209-33

Date Collected: 10/03/24 10:55

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:28	10/08/24 16:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:28	10/08/24 16:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:28	10/08/24 16:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/07/24 10:28	10/08/24 16:54	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 67

Lab Sample ID: 890-7209-33

Date Collected: 10/03/24 10:55

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:28	10/08/24 16:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/07/24 10:28	10/08/24 16:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				10/07/24 10:28	10/08/24 16:54	1
1,4-Difluorobenzene (Surr)	92		70 - 130				10/07/24 10:28	10/08/24 16:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/08/24 16:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/07/24 19:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/04/24 15:29	10/07/24 19:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/04/24 15:29	10/07/24 19:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/04/24 15:29	10/07/24 19:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				10/04/24 15:29	10/07/24 19:11	1
o-Terphenyl	99		70 - 130				10/04/24 15:29	10/07/24 19:11	1

Client Sample ID: CS - 68

Lab Sample ID: 890-7209-34

Date Collected: 10/03/24 11:00

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:28	10/08/24 17:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:28	10/08/24 17:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:28	10/08/24 17:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/07/24 10:28	10/08/24 17:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:28	10/08/24 17:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/07/24 10:28	10/08/24 17:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				10/07/24 10:28	10/08/24 17:15	1
1,4-Difluorobenzene (Surr)	91		70 - 130				10/07/24 10:28	10/08/24 17:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/08/24 17:15	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 68

Lab Sample ID: 890-7209-34

Date Collected: 10/03/24 11:00

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/07/24 19:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/04/24 15:29	10/07/24 19:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/04/24 15:29	10/07/24 19:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/04/24 15:29	10/07/24 19:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				10/04/24 15:29	10/07/24 19:26	1
o-Terphenyl	104		70 - 130				10/04/24 15:29	10/07/24 19:26	1

Client Sample ID: CS - 69

Lab Sample ID: 890-7209-35

Date Collected: 10/03/24 11:00

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:28	10/08/24 17:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:28	10/08/24 17:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:28	10/08/24 17:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/07/24 10:28	10/08/24 17:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:28	10/08/24 17:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/07/24 10:28	10/08/24 17:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				10/07/24 10:28	10/08/24 17:35	1
1,4-Difluorobenzene (Surr)	91		70 - 130				10/07/24 10:28	10/08/24 17:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/08/24 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/07/24 19:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/04/24 15:29	10/07/24 19:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/04/24 15:29	10/07/24 19:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/04/24 15:29	10/07/24 19:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				10/04/24 15:29	10/07/24 19:41	1
o-Terphenyl	104		70 - 130				10/04/24 15:29	10/07/24 19:41	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 70

Lab Sample ID: 890-7209-36

Date Collected: 10/03/24 11:05

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:28	10/08/24 17:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:28	10/08/24 17:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:28	10/08/24 17:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/07/24 10:28	10/08/24 17:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:28	10/08/24 17:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/07/24 10:28	10/08/24 17:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	10/07/24 10:28	10/08/24 17:56	1
1,4-Difluorobenzene (Surr)	90		70 - 130	10/07/24 10:28	10/08/24 17:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/08/24 17:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/07/24 19:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/04/24 15:29	10/07/24 19:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/04/24 15:29	10/07/24 19:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/04/24 15:29	10/07/24 19:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	10/04/24 15:29	10/07/24 19:57	1
o-Terphenyl	96		70 - 130	10/04/24 15:29	10/07/24 19:57	1

Client Sample ID: CS - 71

Lab Sample ID: 890-7209-37

Date Collected: 10/03/24 11:10

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 2

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:28	10/08/24 18:17	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:28	10/08/24 18:17	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:28	10/08/24 18:17	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/07/24 10:28	10/08/24 18:17	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:28	10/08/24 18:17	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/07/24 10:28	10/08/24 18:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	10/07/24 10:28	10/08/24 18:17	1
1,4-Difluorobenzene (Surr)	91		70 - 130	10/07/24 10:28	10/08/24 18:17	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 71

Lab Sample ID: 890-7209-37

Date Collected: 10/03/24 11:10

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 2

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/08/24 18:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/07/24 20:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/04/24 15:29	10/07/24 20:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/04/24 15:29	10/07/24 20:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/04/24 15:29	10/07/24 20:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				10/04/24 15:29	10/07/24 20:12	1
o-Terphenyl	93		70 - 130				10/04/24 15:29	10/07/24 20:12	1

Client Sample ID: CS - 16

Lab Sample ID: 890-7209-38

Date Collected: 10/04/24 08:00

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1.25'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:28	10/08/24 18:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:28	10/08/24 18:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:28	10/08/24 18:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/07/24 10:28	10/08/24 18:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:28	10/08/24 18:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/07/24 10:28	10/08/24 18:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				10/07/24 10:28	10/08/24 18:37	1
1,4-Difluorobenzene (Surr)	87		70 - 130				10/07/24 10:28	10/08/24 18:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/08/24 18:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/07/24 20:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/04/24 15:29	10/07/24 20:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/04/24 15:29	10/07/24 20:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/04/24 15:29	10/07/24 20:27	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 16

Lab Sample ID: 890-7209-38

Date Collected: 10/04/24 08:00

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1.25'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	10/04/24 15:29	10/07/24 20:27	1
o-Terphenyl	97		70 - 130	10/04/24 15:29	10/07/24 20:27	1

Client Sample ID: CS - 17

Lab Sample ID: 890-7209-39

Date Collected: 10/04/24 08:10

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1.25'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:28	10/08/24 18:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:28	10/08/24 18:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:28	10/08/24 18:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/07/24 10:28	10/08/24 18:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:28	10/08/24 18:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/07/24 10:28	10/08/24 18:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				10/07/24 10:28	10/08/24 18:58	1
1,4-Difluorobenzene (Surr)	89		70 - 130				10/07/24 10:28	10/08/24 18:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/08/24 18:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/07/24 20:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/04/24 15:29	10/07/24 20:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/04/24 15:29	10/07/24 20:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/04/24 15:29	10/07/24 20:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	204	S1+	70 - 130				10/04/24 15:29	10/07/24 20:43	1
o-Terphenyl	195	S1+	70 - 130				10/04/24 15:29	10/07/24 20:43	1

Client Sample ID: CS - 77

Lab Sample ID: 890-7209-40

Date Collected: 10/04/24 08:20

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:28	10/08/24 19:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:28	10/08/24 19:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:28	10/08/24 19:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/07/24 10:28	10/08/24 19:19	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 77

Lab Sample ID: 890-7209-40

Date Collected: 10/04/24 08:20

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1'

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:28	10/08/24 19:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/07/24 10:28	10/08/24 19:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				10/07/24 10:28	10/08/24 19:19	1
1,4-Difluorobenzene (Surr)	94		70 - 130				10/07/24 10:28	10/08/24 19:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/08/24 19:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			10/07/24 20:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		10/04/24 15:29	10/07/24 20:58	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		10/04/24 15:29	10/07/24 20:58	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/04/24 15:29	10/07/24 20:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				10/04/24 15:29	10/07/24 20:58	1
o-Terphenyl	102		70 - 130				10/04/24 15:29	10/07/24 20:58	1

Client Sample ID: CS - 78

Lab Sample ID: 890-7209-41

Date Collected: 10/04/24 08:30

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:30	10/08/24 23:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:30	10/08/24 23:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:30	10/08/24 23:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/07/24 10:30	10/08/24 23:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:30	10/08/24 23:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/07/24 10:30	10/08/24 23:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				10/07/24 10:30	10/08/24 23:22	1
1,4-Difluorobenzene (Surr)	102		70 - 130				10/07/24 10:30	10/08/24 23:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/08/24 23:22	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 78
Date Collected: 10/04/24 08:30
Date Received: 10/04/24 09:24
Sample Depth: 1'

Lab Sample ID: 890-7209-41
Matrix: Solid

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0	U	50.0		mg/Kg			10/07/24 21:29	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/04/24 15:29	10/07/24 21:29	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/04/24 15:29	10/07/24 21:29	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/04/24 15:29	10/07/24 21:29	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	108		70 - 130				10/04/24 15:29	10/07/24 21:29	1	
o-Terphenyl	101		70 - 130				10/04/24 15:29	10/07/24 21:29	1	

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
890-7209-1	CS - 35	94	116
890-7209-1 MS	CS - 35	113	100
890-7209-1 MSD	CS - 35	104	106
890-7209-2	CS - 36	104	100
890-7209-3	CS - 37	103	115
890-7209-4	CS - 38	109	114
890-7209-5	CS - 39	109	110
890-7209-6	CS - 40	120	114
890-7209-7	CS - 41	113	113
890-7209-8	CS - 42	115	118
890-7209-9	CS - 43	125	129
890-7209-10	CS - 44	118	114
890-7209-11	CS - 45	82	101
890-7209-12	CS - 46	108	111
890-7209-13	CS - 47	106	112
890-7209-14	CS - 48	105	103
890-7209-15	CS - 49	119	110
890-7209-16	CS - 50	112	111
890-7209-17	CS - 51	111	117
890-7209-18	CS - 52	110	106
890-7209-19	CS - 53	114	116
890-7209-20	CS - 54	127	111
890-7209-21	CS - 55	88	94
890-7209-21 MS	CS - 55	98	104
890-7209-21 MSD	CS - 55	111	100
890-7209-22	CS - 56	93	88
890-7209-23	CS - 57	100	88
890-7209-24	CS - 58	91	93
890-7209-25	CS - 59	93	89
890-7209-26	CS - 60	94	91
890-7209-27	CS - 61	94	95
890-7209-28	CS - 62	93	93
890-7209-29	CS - 63	93	91
890-7209-30	CS - 64	98	89
890-7209-31	CS - 65	87	92
890-7209-32	CS - 66	89	90
890-7209-33	CS - 67	89	92
890-7209-34	CS - 68	95	91
890-7209-35	CS - 69	89	91
890-7209-36	CS - 70	98	90
890-7209-37	CS - 71	94	91
890-7209-38	CS - 16	86	87
890-7209-39	CS - 17	95	89
890-7209-40	CS - 77	92	94
890-7209-41	CS - 78	106	102
890-7209-41 MS	CS - 78	106	103
890-7209-41 MSD	CS - 78	105	103
LCS 880-92677/1-A	Lab Control Sample	106	100
LCS 880-92679/1-A	Lab Control Sample	100	101

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Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
LCS 880-92680/1-A	Lab Control Sample	100	103
LCSD 880-92677/2-A	Lab Control Sample Dup	104	107
LCSD 880-92679/2-A	Lab Control Sample Dup	106	95
LCSD 880-92680/2-A	Lab Control Sample Dup	103	100
MB 880-92655/5-A	Method Blank	106	101
MB 880-92677/5-A	Method Blank	148 S1+	105
MB 880-92679/5-A	Method Blank	83	89
MB 880-92680/5-A	Method Blank	108	100
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)
880-49382-A-25-B MS	Matrix Spike	114	119
880-49382-A-25-C MSD	Matrix Spike Duplicate	111	115
890-7209-1	CS - 35	108	107
890-7209-2	CS - 36	104	103
890-7209-3	CS - 37	114	111
890-7209-4	CS - 38	114	110
890-7209-5	CS - 39	107	105
890-7209-6	CS - 40	112	109
890-7209-7	CS - 41	106	104
890-7209-8	CS - 42	106	104
890-7209-9	CS - 43	113	109
890-7209-10	CS - 44	108	107
890-7209-11	CS - 45	90	75
890-7209-11 MS	CS - 45	95	90
890-7209-11 MSD	CS - 45	84	76
890-7209-12	CS - 46	92	74
890-7209-13	CS - 47	90	71
890-7209-14	CS - 48	103	84
890-7209-15	CS - 49	91	76
890-7209-16	CS - 50	96	78
890-7209-17	CS - 51	89	73
890-7209-18	CS - 52	99	81
890-7209-19	CS - 53	100	79
890-7209-20	CS - 54	102	81
890-7209-21	CS - 55	111	87
890-7209-22	CS - 56	86	67 S1-
890-7209-23	CS - 57	100	78
890-7209-24	CS - 58	90	72
890-7209-25	CS - 59	67 S1-	55 S1-
890-7209-26	CS - 60	98	76
890-7209-27	CS - 61	103	80
890-7209-28	CS - 62	95	74

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Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-7209-29	CS - 63	94	73
890-7209-30	CS - 64	99	80
890-7209-31	CS - 65	101	99
890-7209-31 MS	CS - 65	108	111
890-7209-31 MSD	CS - 65	103	104
890-7209-32	CS - 66	107	99
890-7209-33	CS - 67	108	99
890-7209-34	CS - 68	112	104
890-7209-35	CS - 69	112	104
890-7209-36	CS - 70	105	96
890-7209-37	CS - 71	101	93
890-7209-38	CS - 16	102	97
890-7209-39	CS - 17	204 S1+	195 S1+
890-7209-40	CS - 77	108	102
890-7209-41	CS - 78	108	101
LCS 880-92604/2-A	Lab Control Sample	114	117
LCS 880-92605/2-A	Lab Control Sample	99	90
LCS 880-92606/2-A	Lab Control Sample	112	115
LCSD 880-92604/3-A	Lab Control Sample Dup	115	118
LCSD 880-92605/3-A	Lab Control Sample Dup	100	89
LCSD 880-92606/3-A	Lab Control Sample Dup	112	115
MB 880-92604/1-A	Method Blank	105	99
MB 880-92605/1-A	Method Blank	92	73
MB 880-92606/1-A	Method Blank	102	94

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-92655/5-A
Matrix: Solid
Analysis Batch: 92651

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 92655

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/07/24 08:23	10/08/24 11:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/07/24 08:23	10/08/24 11:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/07/24 08:23	10/08/24 11:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/07/24 08:23	10/08/24 11:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/07/24 08:23	10/08/24 11:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/07/24 08:23	10/08/24 11:20	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				10/07/24 08:23	10/08/24 11:20	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/07/24 08:23	10/08/24 11:20	1

Lab Sample ID: MB 880-92677/5-A
Matrix: Solid
Analysis Batch: 92754

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 92677

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:26	10/08/24 11:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:26	10/08/24 11:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:26	10/08/24 11:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/07/24 10:26	10/08/24 11:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:26	10/08/24 11:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/07/24 10:26	10/08/24 11:46	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130				10/07/24 10:26	10/08/24 11:46	1
1,4-Difluorobenzene (Surr)	105		70 - 130				10/07/24 10:26	10/08/24 11:46	1

Lab Sample ID: LCS 880-92677/1-A
Matrix: Solid
Analysis Batch: 92754

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 92677

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09883		mg/Kg		99	70 - 130
Toluene	0.100	0.09994		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.09453		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.2007		mg/Kg		100	70 - 130
o-Xylene	0.100	0.1157		mg/Kg		116	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	106		70 - 130				
1,4-Difluorobenzene (Surr)	100		70 - 130				

Lab Sample ID: LCSD 880-92677/2-A
Matrix: Solid
Analysis Batch: 92754

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 92677

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1013		mg/Kg		101	70 - 130	2	35

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

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

Lab Sample ID: LCSD 880-92677/2-A

Matrix: Solid

Analysis Batch: 92754

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92677

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Toluene	0.100	0.08887		mg/Kg		89	70 - 130	12		35
Ethylbenzene	0.100	0.1049		mg/Kg		105	70 - 130	10		35
m-Xylene & p-Xylene	0.200	0.2208		mg/Kg		110	70 - 130	10		35
o-Xylene	0.100	0.1118		mg/Kg		112	70 - 130	3		35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 890-7209-1 MS

Matrix: Solid

Analysis Batch: 92754

Client Sample ID: CS - 35

Prep Type: Total/NA

Prep Batch: 92677

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Benzene	<0.00201	U	0.100	0.09998		mg/Kg		100	70 - 130	
Toluene	<0.00201	U	0.100	0.09217		mg/Kg		92	70 - 130	
Ethylbenzene	<0.00201	U	0.100	0.1050		mg/Kg		105	70 - 130	
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2323		mg/Kg		116	70 - 130	
o-Xylene	<0.00201	U	0.100	0.1083		mg/Kg		108	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-7209-1 MSD

Matrix: Solid

Analysis Batch: 92754

Client Sample ID: CS - 35

Prep Type: Total/NA

Prep Batch: 92677

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Benzene	<0.00201	U	0.100	0.1009		mg/Kg		101	70 - 130	1		35
Toluene	<0.00201	U	0.100	0.09409		mg/Kg		94	70 - 130	2		35
Ethylbenzene	<0.00201	U	0.100	0.1028		mg/Kg		103	70 - 130	2		35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2083		mg/Kg		104	70 - 130	11		35
o-Xylene	<0.00201	U	0.100	0.1105		mg/Kg		110	70 - 130	2		35

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-92679/5-A

Matrix: Solid

Analysis Batch: 92755

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92679

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:28	10/08/24 11:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:28	10/08/24 11:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:28	10/08/24 11:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/07/24 10:28	10/08/24 11:20	1

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

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

Lab Sample ID: MB 880-92679/5-A

Matrix: Solid

Analysis Batch: 92755

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92679

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:28	10/08/24 11:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/07/24 10:28	10/08/24 11:20	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				10/07/24 10:28	10/08/24 11:20	1
1,4-Difluorobenzene (Surr)	89		70 - 130				10/07/24 10:28	10/08/24 11:20	1

Lab Sample ID: LCS 880-92679/1-A

Matrix: Solid

Analysis Batch: 92755

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92679

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09105		mg/Kg		91	70 - 130
Toluene	0.100	0.1124		mg/Kg		112	70 - 130
Ethylbenzene	0.100	0.1125		mg/Kg		112	70 - 130
m-Xylene & p-Xylene	0.200	0.2058		mg/Kg		103	70 - 130
o-Xylene	0.100	0.1002		mg/Kg		100	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	100		70 - 130				
1,4-Difluorobenzene (Surr)	101		70 - 130				

Lab Sample ID: LCSD 880-92679/2-A

Matrix: Solid

Analysis Batch: 92755

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92679

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09793		mg/Kg		98	70 - 130	7	35
Toluene	0.100	0.1026		mg/Kg		103	70 - 130	9	35
Ethylbenzene	0.100	0.1101		mg/Kg		110	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2097		mg/Kg		105	70 - 130	2	35
o-Xylene	0.100	0.1025		mg/Kg		102	70 - 130	2	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	106		70 - 130						
1,4-Difluorobenzene (Surr)	95		70 - 130						

Lab Sample ID: 890-7209-21 MS

Matrix: Solid

Analysis Batch: 92755

Client Sample ID: CS - 55

Prep Type: Total/NA

Prep Batch: 92679

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.08666		mg/Kg		87	70 - 130
Toluene	<0.00201	U	0.100	0.1037		mg/Kg		104	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.1019		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1860		mg/Kg		93	70 - 130
o-Xylene	<0.00201	U	0.100	0.09055		mg/Kg		91	70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

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

Lab Sample ID: 890-7209-21 MS

Matrix: Solid

Analysis Batch: 92755

Client Sample ID: CS - 55

Prep Type: Total/NA

Prep Batch: 92679

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 890-7209-21 MSD

Matrix: Solid

Analysis Batch: 92755

Client Sample ID: CS - 55

Prep Type: Total/NA

Prep Batch: 92679

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.08839		mg/Kg		88	70 - 130	2	35
Toluene	<0.00201	U	0.100	0.09472		mg/Kg		95	70 - 130	9	35
Ethylbenzene	<0.00201	U	0.100	0.1030		mg/Kg		103	70 - 130	1	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1918		mg/Kg		96	70 - 130	3	35
o-Xylene	<0.00201	U	0.100	0.09472		mg/Kg		95	70 - 130	5	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-92680/5-A

Matrix: Solid

Analysis Batch: 92651

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92680

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:30	10/08/24 23:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:30	10/08/24 23:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:30	10/08/24 23:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/07/24 10:30	10/08/24 23:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:30	10/08/24 23:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/07/24 10:30	10/08/24 23:00	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	10/07/24 10:30	10/08/24 23:00	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/07/24 10:30	10/08/24 23:00	1

Lab Sample ID: LCS 880-92680/1-A

Matrix: Solid

Analysis Batch: 92651

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92680

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08721		mg/Kg		87	70 - 130
Toluene	0.100	0.08248		mg/Kg		82	70 - 130
Ethylbenzene	0.100	0.08202		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	0.200	0.1764		mg/Kg		88	70 - 130
o-Xylene	0.100	0.09027		mg/Kg		90	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

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

Lab Sample ID: LCS 880-92680/1-A

Matrix: Solid

Analysis Batch: 92651

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92680

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

Lab Sample ID: LCSD 880-92680/2-A

Matrix: Solid

Analysis Batch: 92651

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92680

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08466		mg/Kg		85	70 - 130	3	35
Toluene	0.100	0.08000		mg/Kg		80	70 - 130	3	35
Ethylbenzene	0.100	0.07952		mg/Kg		80	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1702		mg/Kg		85	70 - 130	4	35
o-Xylene	0.100	0.08706		mg/Kg		87	70 - 130	4	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-7209-41 MS

Matrix: Solid

Analysis Batch: 92651

Client Sample ID: CS - 78

Prep Type: Total/NA

Prep Batch: 92680

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.08446		mg/Kg		84	70 - 130
Toluene	<0.00201	U	0.100	0.07934		mg/Kg		79	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.07909		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1691		mg/Kg		85	70 - 130
o-Xylene	<0.00201	U	0.100	0.08617		mg/Kg		86	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 890-7209-41 MSD

Matrix: Solid

Analysis Batch: 92651

Client Sample ID: CS - 78

Prep Type: Total/NA

Prep Batch: 92680

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.08358		mg/Kg		84	70 - 130	1	35
Toluene	<0.00201	U	0.100	0.07796		mg/Kg		78	70 - 130	2	35
Ethylbenzene	<0.00201	U	0.100	0.07808		mg/Kg		78	70 - 130	1	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1664		mg/Kg		83	70 - 130	2	35
o-Xylene	<0.00201	U	0.100	0.08466		mg/Kg		85	70 - 130	2	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

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

Lab Sample ID: MB 880-92604/1-A

Matrix: Solid

Analysis Batch: 92730

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92604

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/04/24 15:21	10/08/24 01:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/04/24 15:21	10/08/24 01:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/04/24 15:21	10/08/24 01:05	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				10/04/24 15:21	10/08/24 01:05	1
o-Terphenyl	99		70 - 130				10/04/24 15:21	10/08/24 01:05	1

Lab Sample ID: LCS 880-92604/2-A

Matrix: Solid

Analysis Batch: 92730

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92604

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1075		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1005		mg/Kg		101	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	114		70 - 130				
o-Terphenyl	117		70 - 130				

Lab Sample ID: LCSD 880-92604/3-A

Matrix: Solid

Analysis Batch: 92730

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92604

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1085		mg/Kg		109	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1016		mg/Kg		102	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	115		70 - 130						
o-Terphenyl	118		70 - 130						

Lab Sample ID: 880-49382-A-25-B MS

Matrix: Solid

Analysis Batch: 92730

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 92604

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	1011		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	996	999.7		mg/Kg		100	70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

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

Lab Sample ID: 880-49382-A-25-B MS

Matrix: Solid

Analysis Batch: 92730

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 92604

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	119		70 - 130

Lab Sample ID: 880-49382-A-25-C MSD

Matrix: Solid

Analysis Batch: 92730

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 92604

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	<50.0	U	996	1008		mg/Kg		101	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	996	963.7		mg/Kg		97	70 - 130	4	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	115		70 - 130

Lab Sample ID: MB 880-92605/1-A

Matrix: Solid

Analysis Batch: 92727

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92605

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/04/24 15:24	10/07/24 10:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/04/24 15:24	10/07/24 10:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/04/24 15:24	10/07/24 10:53	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	92		70 - 130	10/04/24 15:24	10/07/24 10:53	1			
o-Terphenyl	73		70 - 130	10/04/24 15:24	10/07/24 10:53	1			

Lab Sample ID: LCS 880-92605/2-A

Matrix: Solid

Analysis Batch: 92727

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92605

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	990.9		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	1000	825.5		mg/Kg		83	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	90		70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

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

Lab Sample ID: LCSD 880-92605/3-A

Matrix: Solid

Analysis Batch: 92727

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92605

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1005		mg/Kg		100	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	837.4		mg/Kg		84	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	100		70 - 130						
o-Terphenyl	89		70 - 130						

Lab Sample ID: 890-7209-11 MS

Matrix: Solid

Analysis Batch: 92727

Client Sample ID: CS - 45

Prep Type: Total/NA

Prep Batch: 92605

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	955.9		mg/Kg		96	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	995	748.9		mg/Kg		73	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	95		70 - 130								
o-Terphenyl	90		70 - 130								

Lab Sample ID: 890-7209-11 MSD

Matrix: Solid

Analysis Batch: 92727

Client Sample ID: CS - 45

Prep Type: Total/NA

Prep Batch: 92605

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	<50.0	U	995	883.6		mg/Kg		89	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<50.0	U	995	724.8		mg/Kg		71	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	84		70 - 130								
o-Terphenyl	76		70 - 130								

Lab Sample ID: MB 880-92606/1-A

Matrix: Solid

Analysis Batch: 92730

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92606

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/04/24 15:29	10/07/24 10:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/04/24 15:29	10/07/24 10:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/04/24 15:29	10/07/24 10:53	1

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

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

Lab Sample ID: MB 880-92606/1-A

Matrix: Solid

Analysis Batch: 92730

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92606

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	10/04/24 15:29	10/07/24 10:53	1
o-Terphenyl	94		70 - 130	10/04/24 15:29	10/07/24 10:53	1

Lab Sample ID: LCS 880-92606/2-A

Matrix: Solid

Analysis Batch: 92730

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92606

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1064		mg/Kg		106	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	984.0		mg/Kg		98	70 - 130		
Surrogate		LCS	LCS								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	112		70 - 130								
o-Terphenyl	115		70 - 130								

Lab Sample ID: LCSD 880-92606/3-A

Matrix: Solid

Analysis Batch: 92730

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92606

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	1033		mg/Kg		103	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)			1000	985.7		mg/Kg		99	70 - 130	0	20	
Surrogate		LCSD	LCSD									
	%Recovery	Qualifier	Limits									
1-Chlorooctane	112		70 - 130									
o-Terphenyl	115		70 - 130									

Lab Sample ID: 890-7209-31 MS

Matrix: Solid

Analysis Batch: 92730

Client Sample ID: CS - 65

Prep Type: Total/NA

Prep Batch: 92606

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	965.8		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	998	935.3		mg/Kg		94	70 - 130		
Surrogate		MS	MS								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	108		70 - 130								
o-Terphenyl	111		70 - 130								

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

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

Lab Sample ID: 890-7209-31 MSD									Client Sample ID: CS - 65			
Matrix: Solid									Prep Type: Total/NA			
Analysis Batch: 92730									Prep Batch: 92606			
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	<50.0	U	998	943.5		mg/Kg		95	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)	<50.0	U	998	912.6		mg/Kg		91	70 - 130	2	20	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

GC VOA

Analysis Batch: 92651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7209-41	CS - 78	Total/NA	Solid	8021B	92680
MB 880-92655/5-A	Method Blank	Total/NA	Solid	8021B	92655
MB 880-92680/5-A	Method Blank	Total/NA	Solid	8021B	92680
LCS 880-92680/1-A	Lab Control Sample	Total/NA	Solid	8021B	92680
LCSD 880-92680/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	92680
890-7209-41 MS	CS - 78	Total/NA	Solid	8021B	92680
890-7209-41 MSD	CS - 78	Total/NA	Solid	8021B	92680

Prep Batch: 92655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-92655/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 92677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7209-1	CS - 35	Total/NA	Solid	5035	
890-7209-2	CS - 36	Total/NA	Solid	5035	
890-7209-3	CS - 37	Total/NA	Solid	5035	
890-7209-4	CS - 38	Total/NA	Solid	5035	
890-7209-5	CS - 39	Total/NA	Solid	5035	
890-7209-6	CS - 40	Total/NA	Solid	5035	
890-7209-7	CS - 41	Total/NA	Solid	5035	
890-7209-8	CS - 42	Total/NA	Solid	5035	
890-7209-9	CS - 43	Total/NA	Solid	5035	
890-7209-10	CS - 44	Total/NA	Solid	5035	
890-7209-11	CS - 45	Total/NA	Solid	5035	
890-7209-12	CS - 46	Total/NA	Solid	5035	
890-7209-13	CS - 47	Total/NA	Solid	5035	
890-7209-14	CS - 48	Total/NA	Solid	5035	
890-7209-15	CS - 49	Total/NA	Solid	5035	
890-7209-16	CS - 50	Total/NA	Solid	5035	
890-7209-17	CS - 51	Total/NA	Solid	5035	
890-7209-18	CS - 52	Total/NA	Solid	5035	
890-7209-19	CS - 53	Total/NA	Solid	5035	
890-7209-20	CS - 54	Total/NA	Solid	5035	
MB 880-92677/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-92677/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-92677/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7209-1 MS	CS - 35	Total/NA	Solid	5035	
890-7209-1 MSD	CS - 35	Total/NA	Solid	5035	

Prep Batch: 92679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7209-21	CS - 55	Total/NA	Solid	5035	
890-7209-22	CS - 56	Total/NA	Solid	5035	
890-7209-23	CS - 57	Total/NA	Solid	5035	
890-7209-24	CS - 58	Total/NA	Solid	5035	
890-7209-25	CS - 59	Total/NA	Solid	5035	
890-7209-26	CS - 60	Total/NA	Solid	5035	
890-7209-27	CS - 61	Total/NA	Solid	5035	
890-7209-28	CS - 62	Total/NA	Solid	5035	
890-7209-29	CS - 63	Total/NA	Solid	5035	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

GC VOA (Continued)

Prep Batch: 92679 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7209-30	CS - 64	Total/NA	Solid	5035	
890-7209-31	CS - 65	Total/NA	Solid	5035	
890-7209-32	CS - 66	Total/NA	Solid	5035	
890-7209-33	CS - 67	Total/NA	Solid	5035	
890-7209-34	CS - 68	Total/NA	Solid	5035	
890-7209-35	CS - 69	Total/NA	Solid	5035	
890-7209-36	CS - 70	Total/NA	Solid	5035	
890-7209-37	CS - 71	Total/NA	Solid	5035	
890-7209-38	CS - 16	Total/NA	Solid	5035	
890-7209-39	CS - 17	Total/NA	Solid	5035	
890-7209-40	CS - 77	Total/NA	Solid	5035	
MB 880-92679/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-92679/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-92679/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7209-21 MS	CS - 55	Total/NA	Solid	5035	
890-7209-21 MSD	CS - 55	Total/NA	Solid	5035	

Prep Batch: 92680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7209-41	CS - 78	Total/NA	Solid	5035	
MB 880-92680/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-92680/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-92680/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7209-41 MS	CS - 78	Total/NA	Solid	5035	
890-7209-41 MSD	CS - 78	Total/NA	Solid	5035	

Analysis Batch: 92754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7209-1	CS - 35	Total/NA	Solid	8021B	92677
890-7209-2	CS - 36	Total/NA	Solid	8021B	92677
890-7209-3	CS - 37	Total/NA	Solid	8021B	92677
890-7209-4	CS - 38	Total/NA	Solid	8021B	92677
890-7209-5	CS - 39	Total/NA	Solid	8021B	92677
890-7209-6	CS - 40	Total/NA	Solid	8021B	92677
890-7209-7	CS - 41	Total/NA	Solid	8021B	92677
890-7209-8	CS - 42	Total/NA	Solid	8021B	92677
890-7209-9	CS - 43	Total/NA	Solid	8021B	92677
890-7209-10	CS - 44	Total/NA	Solid	8021B	92677
890-7209-11	CS - 45	Total/NA	Solid	8021B	92677
890-7209-12	CS - 46	Total/NA	Solid	8021B	92677
890-7209-13	CS - 47	Total/NA	Solid	8021B	92677
890-7209-14	CS - 48	Total/NA	Solid	8021B	92677
890-7209-15	CS - 49	Total/NA	Solid	8021B	92677
890-7209-16	CS - 50	Total/NA	Solid	8021B	92677
890-7209-17	CS - 51	Total/NA	Solid	8021B	92677
890-7209-18	CS - 52	Total/NA	Solid	8021B	92677
890-7209-19	CS - 53	Total/NA	Solid	8021B	92677
890-7209-20	CS - 54	Total/NA	Solid	8021B	92677
MB 880-92677/5-A	Method Blank	Total/NA	Solid	8021B	92677
LCS 880-92677/1-A	Lab Control Sample	Total/NA	Solid	8021B	92677
LCSD 880-92677/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	92677

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

GC VOA (Continued)

Analysis Batch: 92754 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7209-1 MS	CS - 35	Total/NA	Solid	8021B	92677
890-7209-1 MSD	CS - 35	Total/NA	Solid	8021B	92677

Analysis Batch: 92755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7209-21	CS - 55	Total/NA	Solid	8021B	92679
890-7209-22	CS - 56	Total/NA	Solid	8021B	92679
890-7209-23	CS - 57	Total/NA	Solid	8021B	92679
890-7209-24	CS - 58	Total/NA	Solid	8021B	92679
890-7209-25	CS - 59	Total/NA	Solid	8021B	92679
890-7209-26	CS - 60	Total/NA	Solid	8021B	92679
890-7209-27	CS - 61	Total/NA	Solid	8021B	92679
890-7209-28	CS - 62	Total/NA	Solid	8021B	92679
890-7209-29	CS - 63	Total/NA	Solid	8021B	92679
890-7209-30	CS - 64	Total/NA	Solid	8021B	92679
890-7209-31	CS - 65	Total/NA	Solid	8021B	92679
890-7209-32	CS - 66	Total/NA	Solid	8021B	92679
890-7209-33	CS - 67	Total/NA	Solid	8021B	92679
890-7209-34	CS - 68	Total/NA	Solid	8021B	92679
890-7209-35	CS - 69	Total/NA	Solid	8021B	92679
890-7209-36	CS - 70	Total/NA	Solid	8021B	92679
890-7209-37	CS - 71	Total/NA	Solid	8021B	92679
890-7209-38	CS - 16	Total/NA	Solid	8021B	92679
890-7209-39	CS - 17	Total/NA	Solid	8021B	92679
890-7209-40	CS - 77	Total/NA	Solid	8021B	92679
MB 880-92679/5-A	Method Blank	Total/NA	Solid	8021B	92679
LCS 880-92679/1-A	Lab Control Sample	Total/NA	Solid	8021B	92679
LCSD 880-92679/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	92679
890-7209-21 MS	CS - 55	Total/NA	Solid	8021B	92679
890-7209-21 MSD	CS - 55	Total/NA	Solid	8021B	92679

Analysis Batch: 92839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7209-1	CS - 35	Total/NA	Solid	Total BTEX	
890-7209-2	CS - 36	Total/NA	Solid	Total BTEX	
890-7209-3	CS - 37	Total/NA	Solid	Total BTEX	
890-7209-4	CS - 38	Total/NA	Solid	Total BTEX	
890-7209-5	CS - 39	Total/NA	Solid	Total BTEX	
890-7209-6	CS - 40	Total/NA	Solid	Total BTEX	
890-7209-7	CS - 41	Total/NA	Solid	Total BTEX	
890-7209-8	CS - 42	Total/NA	Solid	Total BTEX	
890-7209-9	CS - 43	Total/NA	Solid	Total BTEX	
890-7209-10	CS - 44	Total/NA	Solid	Total BTEX	
890-7209-11	CS - 45	Total/NA	Solid	Total BTEX	
890-7209-12	CS - 46	Total/NA	Solid	Total BTEX	
890-7209-13	CS - 47	Total/NA	Solid	Total BTEX	
890-7209-14	CS - 48	Total/NA	Solid	Total BTEX	
890-7209-15	CS - 49	Total/NA	Solid	Total BTEX	
890-7209-16	CS - 50	Total/NA	Solid	Total BTEX	
890-7209-17	CS - 51	Total/NA	Solid	Total BTEX	
890-7209-18	CS - 52	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

GC VOA (Continued)

Analysis Batch: 92839 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7209-19	CS - 53	Total/NA	Solid	Total BTEX	
890-7209-20	CS - 54	Total/NA	Solid	Total BTEX	
890-7209-21	CS - 55	Total/NA	Solid	Total BTEX	
890-7209-22	CS - 56	Total/NA	Solid	Total BTEX	
890-7209-23	CS - 57	Total/NA	Solid	Total BTEX	
890-7209-24	CS - 58	Total/NA	Solid	Total BTEX	
890-7209-25	CS - 59	Total/NA	Solid	Total BTEX	
890-7209-26	CS - 60	Total/NA	Solid	Total BTEX	
890-7209-27	CS - 61	Total/NA	Solid	Total BTEX	
890-7209-28	CS - 62	Total/NA	Solid	Total BTEX	
890-7209-29	CS - 63	Total/NA	Solid	Total BTEX	
890-7209-30	CS - 64	Total/NA	Solid	Total BTEX	
890-7209-31	CS - 65	Total/NA	Solid	Total BTEX	
890-7209-32	CS - 66	Total/NA	Solid	Total BTEX	
890-7209-33	CS - 67	Total/NA	Solid	Total BTEX	
890-7209-34	CS - 68	Total/NA	Solid	Total BTEX	
890-7209-35	CS - 69	Total/NA	Solid	Total BTEX	
890-7209-36	CS - 70	Total/NA	Solid	Total BTEX	
890-7209-37	CS - 71	Total/NA	Solid	Total BTEX	
890-7209-38	CS - 16	Total/NA	Solid	Total BTEX	
890-7209-39	CS - 17	Total/NA	Solid	Total BTEX	
890-7209-40	CS - 77	Total/NA	Solid	Total BTEX	
890-7209-41	CS - 78	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 92604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7209-1	CS - 35	Total/NA	Solid	8015NM Prep	
890-7209-2	CS - 36	Total/NA	Solid	8015NM Prep	
890-7209-3	CS - 37	Total/NA	Solid	8015NM Prep	
890-7209-4	CS - 38	Total/NA	Solid	8015NM Prep	
890-7209-5	CS - 39	Total/NA	Solid	8015NM Prep	
890-7209-6	CS - 40	Total/NA	Solid	8015NM Prep	
890-7209-7	CS - 41	Total/NA	Solid	8015NM Prep	
890-7209-8	CS - 42	Total/NA	Solid	8015NM Prep	
890-7209-9	CS - 43	Total/NA	Solid	8015NM Prep	
890-7209-10	CS - 44	Total/NA	Solid	8015NM Prep	
MB 880-92604/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92604/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92604/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-49382-A-25-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-49382-A-25-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 92605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7209-11	CS - 45	Total/NA	Solid	8015NM Prep	
890-7209-12	CS - 46	Total/NA	Solid	8015NM Prep	
890-7209-13	CS - 47	Total/NA	Solid	8015NM Prep	
890-7209-14	CS - 48	Total/NA	Solid	8015NM Prep	
890-7209-15	CS - 49	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

GC Semi VOA (Continued)

Prep Batch: 92605 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7209-16	CS - 50	Total/NA	Solid	8015NM Prep	
890-7209-17	CS - 51	Total/NA	Solid	8015NM Prep	
890-7209-18	CS - 52	Total/NA	Solid	8015NM Prep	
890-7209-19	CS - 53	Total/NA	Solid	8015NM Prep	
890-7209-20	CS - 54	Total/NA	Solid	8015NM Prep	
890-7209-21	CS - 55	Total/NA	Solid	8015NM Prep	
890-7209-22	CS - 56	Total/NA	Solid	8015NM Prep	
890-7209-23	CS - 57	Total/NA	Solid	8015NM Prep	
890-7209-24	CS - 58	Total/NA	Solid	8015NM Prep	
890-7209-25	CS - 59	Total/NA	Solid	8015NM Prep	
890-7209-26	CS - 60	Total/NA	Solid	8015NM Prep	
890-7209-27	CS - 61	Total/NA	Solid	8015NM Prep	
890-7209-28	CS - 62	Total/NA	Solid	8015NM Prep	
890-7209-29	CS - 63	Total/NA	Solid	8015NM Prep	
890-7209-30	CS - 64	Total/NA	Solid	8015NM Prep	
MB 880-92605/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92605/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92605/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7209-11 MS	CS - 45	Total/NA	Solid	8015NM Prep	
890-7209-11 MSD	CS - 45	Total/NA	Solid	8015NM Prep	

Prep Batch: 92606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7209-31	CS - 65	Total/NA	Solid	8015NM Prep	
890-7209-32	CS - 66	Total/NA	Solid	8015NM Prep	
890-7209-33	CS - 67	Total/NA	Solid	8015NM Prep	
890-7209-34	CS - 68	Total/NA	Solid	8015NM Prep	
890-7209-35	CS - 69	Total/NA	Solid	8015NM Prep	
890-7209-36	CS - 70	Total/NA	Solid	8015NM Prep	
890-7209-37	CS - 71	Total/NA	Solid	8015NM Prep	
890-7209-38	CS - 16	Total/NA	Solid	8015NM Prep	
890-7209-39	CS - 17	Total/NA	Solid	8015NM Prep	
890-7209-40	CS - 77	Total/NA	Solid	8015NM Prep	
890-7209-41	CS - 78	Total/NA	Solid	8015NM Prep	
MB 880-92606/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92606/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92606/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7209-31 MS	CS - 65	Total/NA	Solid	8015NM Prep	
890-7209-31 MSD	CS - 65	Total/NA	Solid	8015NM Prep	

Analysis Batch: 92727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7209-11	CS - 45	Total/NA	Solid	8015B NM	92605
890-7209-12	CS - 46	Total/NA	Solid	8015B NM	92605
890-7209-13	CS - 47	Total/NA	Solid	8015B NM	92605
890-7209-14	CS - 48	Total/NA	Solid	8015B NM	92605
890-7209-15	CS - 49	Total/NA	Solid	8015B NM	92605
890-7209-16	CS - 50	Total/NA	Solid	8015B NM	92605
890-7209-17	CS - 51	Total/NA	Solid	8015B NM	92605
890-7209-18	CS - 52	Total/NA	Solid	8015B NM	92605
890-7209-19	CS - 53	Total/NA	Solid	8015B NM	92605

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

GC Semi VOA (Continued)

Analysis Batch: 92727 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7209-20	CS - 54	Total/NA	Solid	8015B NM	92605
890-7209-21	CS - 55	Total/NA	Solid	8015B NM	92605
890-7209-22	CS - 56	Total/NA	Solid	8015B NM	92605
890-7209-23	CS - 57	Total/NA	Solid	8015B NM	92605
890-7209-24	CS - 58	Total/NA	Solid	8015B NM	92605
890-7209-25	CS - 59	Total/NA	Solid	8015B NM	92605
890-7209-26	CS - 60	Total/NA	Solid	8015B NM	92605
890-7209-27	CS - 61	Total/NA	Solid	8015B NM	92605
890-7209-28	CS - 62	Total/NA	Solid	8015B NM	92605
890-7209-29	CS - 63	Total/NA	Solid	8015B NM	92605
890-7209-30	CS - 64	Total/NA	Solid	8015B NM	92605
MB 880-92605/1-A	Method Blank	Total/NA	Solid	8015B NM	92605
LCS 880-92605/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92605
LCSD 880-92605/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92605
890-7209-11 MS	CS - 45	Total/NA	Solid	8015B NM	92605
890-7209-11 MSD	CS - 45	Total/NA	Solid	8015B NM	92605

Analysis Batch: 92730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7209-1	CS - 35	Total/NA	Solid	8015B NM	92604
890-7209-2	CS - 36	Total/NA	Solid	8015B NM	92604
890-7209-3	CS - 37	Total/NA	Solid	8015B NM	92604
890-7209-4	CS - 38	Total/NA	Solid	8015B NM	92604
890-7209-5	CS - 39	Total/NA	Solid	8015B NM	92604
890-7209-6	CS - 40	Total/NA	Solid	8015B NM	92604
890-7209-7	CS - 41	Total/NA	Solid	8015B NM	92604
890-7209-8	CS - 42	Total/NA	Solid	8015B NM	92604
890-7209-9	CS - 43	Total/NA	Solid	8015B NM	92604
890-7209-10	CS - 44	Total/NA	Solid	8015B NM	92604
890-7209-31	CS - 65	Total/NA	Solid	8015B NM	92606
890-7209-32	CS - 66	Total/NA	Solid	8015B NM	92606
890-7209-33	CS - 67	Total/NA	Solid	8015B NM	92606
890-7209-34	CS - 68	Total/NA	Solid	8015B NM	92606
890-7209-35	CS - 69	Total/NA	Solid	8015B NM	92606
890-7209-36	CS - 70	Total/NA	Solid	8015B NM	92606
890-7209-37	CS - 71	Total/NA	Solid	8015B NM	92606
890-7209-38	CS - 16	Total/NA	Solid	8015B NM	92606
890-7209-39	CS - 17	Total/NA	Solid	8015B NM	92606
890-7209-40	CS - 77	Total/NA	Solid	8015B NM	92606
890-7209-41	CS - 78	Total/NA	Solid	8015B NM	92606
MB 880-92604/1-A	Method Blank	Total/NA	Solid	8015B NM	92604
MB 880-92606/1-A	Method Blank	Total/NA	Solid	8015B NM	92606
LCS 880-92604/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92604
LCS 880-92606/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92606
LCSD 880-92604/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92604
LCSD 880-92606/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92606
880-49382-A-25-B MS	Matrix Spike	Total/NA	Solid	8015B NM	92604
880-49382-A-25-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	92604
890-7209-31 MS	CS - 65	Total/NA	Solid	8015B NM	92606
890-7209-31 MSD	CS - 65	Total/NA	Solid	8015B NM	92606

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

GC Semi VOA

Analysis Batch: 92794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7209-1	CS - 35	Total/NA	Solid	8015 NM	
890-7209-2	CS - 36	Total/NA	Solid	8015 NM	
890-7209-3	CS - 37	Total/NA	Solid	8015 NM	
890-7209-4	CS - 38	Total/NA	Solid	8015 NM	
890-7209-5	CS - 39	Total/NA	Solid	8015 NM	
890-7209-6	CS - 40	Total/NA	Solid	8015 NM	
890-7209-7	CS - 41	Total/NA	Solid	8015 NM	
890-7209-8	CS - 42	Total/NA	Solid	8015 NM	
890-7209-9	CS - 43	Total/NA	Solid	8015 NM	
890-7209-10	CS - 44	Total/NA	Solid	8015 NM	
890-7209-11	CS - 45	Total/NA	Solid	8015 NM	
890-7209-12	CS - 46	Total/NA	Solid	8015 NM	
890-7209-13	CS - 47	Total/NA	Solid	8015 NM	
890-7209-14	CS - 48	Total/NA	Solid	8015 NM	
890-7209-15	CS - 49	Total/NA	Solid	8015 NM	
890-7209-16	CS - 50	Total/NA	Solid	8015 NM	
890-7209-17	CS - 51	Total/NA	Solid	8015 NM	
890-7209-18	CS - 52	Total/NA	Solid	8015 NM	
890-7209-19	CS - 53	Total/NA	Solid	8015 NM	
890-7209-20	CS - 54	Total/NA	Solid	8015 NM	
890-7209-21	CS - 55	Total/NA	Solid	8015 NM	
890-7209-22	CS - 56	Total/NA	Solid	8015 NM	
890-7209-23	CS - 57	Total/NA	Solid	8015 NM	
890-7209-24	CS - 58	Total/NA	Solid	8015 NM	
890-7209-25	CS - 59	Total/NA	Solid	8015 NM	
890-7209-26	CS - 60	Total/NA	Solid	8015 NM	
890-7209-27	CS - 61	Total/NA	Solid	8015 NM	
890-7209-28	CS - 62	Total/NA	Solid	8015 NM	
890-7209-29	CS - 63	Total/NA	Solid	8015 NM	
890-7209-30	CS - 64	Total/NA	Solid	8015 NM	
890-7209-31	CS - 65	Total/NA	Solid	8015 NM	
890-7209-32	CS - 66	Total/NA	Solid	8015 NM	
890-7209-33	CS - 67	Total/NA	Solid	8015 NM	
890-7209-34	CS - 68	Total/NA	Solid	8015 NM	
890-7209-35	CS - 69	Total/NA	Solid	8015 NM	
890-7209-36	CS - 70	Total/NA	Solid	8015 NM	
890-7209-37	CS - 71	Total/NA	Solid	8015 NM	
890-7209-38	CS - 16	Total/NA	Solid	8015 NM	
890-7209-39	CS - 17	Total/NA	Solid	8015 NM	
890-7209-40	CS - 77	Total/NA	Solid	8015 NM	
890-7209-41	CS - 78	Total/NA	Solid	8015 NM	

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 35

Lab Sample ID: 890-7209-1

Date Collected: 10/03/24 08:00

Matrix: Solid

Date Received: 10/04/24 09:24

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	92677	10/07/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92754	10/08/24 12:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 12:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/08/24 05:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	92604	10/04/24 15:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/08/24 05:12	TKC	EET MID

Client Sample ID: CS - 36

Lab Sample ID: 890-7209-2

Date Collected: 10/03/24 08:05

Matrix: Solid

Date Received: 10/04/24 09:24

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	92677	10/07/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92754	10/08/24 12:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 12:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/08/24 05:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92604	10/04/24 15:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/08/24 05:27	TKC	EET MID

Client Sample ID: CS - 37

Lab Sample ID: 890-7209-3

Date Collected: 10/03/24 08:10

Matrix: Solid

Date Received: 10/04/24 09:24

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	92677	10/07/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92754	10/08/24 12:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 12:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/08/24 05:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92604	10/04/24 15:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/08/24 05:43	TKC	EET MID

Client Sample ID: CS - 38

Lab Sample ID: 890-7209-4

Date Collected: 10/03/24 08:15

Matrix: Solid

Date Received: 10/04/24 09:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	92677	10/07/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92754	10/08/24 13:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 13:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/08/24 05:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92604	10/04/24 15:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/08/24 05:58	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 39

Lab Sample ID: 890-7209-5

Date Collected: 10/03/24 08:20

Matrix: Solid

Date Received: 10/04/24 09:24

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	92677	10/07/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92754	10/08/24 13:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 13:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/08/24 06:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92604	10/04/24 15:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/08/24 06:14	TKC	EET MID

Client Sample ID: CS - 40

Lab Sample ID: 890-7209-6

Date Collected: 10/03/24 08:25

Matrix: Solid

Date Received: 10/04/24 09:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	92677	10/07/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92754	10/08/24 13:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 13:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/08/24 06:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92604	10/04/24 15:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/08/24 06:29	TKC	EET MID

Client Sample ID: CS - 41

Lab Sample ID: 890-7209-7

Date Collected: 10/03/24 08:30

Matrix: Solid

Date Received: 10/04/24 09:24

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	92677	10/07/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92754	10/08/24 14:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 14:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/08/24 06:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92604	10/04/24 15:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/08/24 06:45	TKC	EET MID

Client Sample ID: CS - 42

Lab Sample ID: 890-7209-8

Date Collected: 10/03/24 08:35

Matrix: Solid

Date Received: 10/04/24 09:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	92677	10/07/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92754	10/08/24 14:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 14:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/08/24 07:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	92604	10/04/24 15:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/08/24 07:00	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 43

Lab Sample ID: 890-7209-9

Date Collected: 10/03/24 08:40

Matrix: Solid

Date Received: 10/04/24 09:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	92677	10/07/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92754	10/08/24 14:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 14:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/08/24 07:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92604	10/04/24 15:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/08/24 07:15	TKC	EET MID

Client Sample ID: CS - 44

Lab Sample ID: 890-7209-10

Date Collected: 10/03/24 08:45

Matrix: Solid

Date Received: 10/04/24 09:24

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	92677	10/07/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92754	10/08/24 15:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 15:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/08/24 07:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92604	10/04/24 15:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/08/24 07:30	TKC	EET MID

Client Sample ID: CS - 45

Lab Sample ID: 890-7209-11

Date Collected: 10/03/24 08:50

Matrix: Solid

Date Received: 10/04/24 09:24

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	92677	10/07/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92754	10/08/24 17:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 17:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 17:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92605	10/04/24 15:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92727	10/07/24 17:33	TKC	EET MID

Client Sample ID: CS - 46

Lab Sample ID: 890-7209-12

Date Collected: 10/03/24 08:55

Matrix: Solid

Date Received: 10/04/24 09:24

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	92677	10/07/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92754	10/08/24 17:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 17:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 18:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92605	10/04/24 15:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92727	10/07/24 18:56	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 47

Lab Sample ID: 890-7209-13

Date Collected: 10/03/24 09:00

Matrix: Solid

Date Received: 10/04/24 09:24

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	92677	10/07/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92754	10/08/24 17:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 17:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 19:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92605	10/04/24 15:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92727	10/07/24 19:11	TKC	EET MID

Client Sample ID: CS - 48

Lab Sample ID: 890-7209-14

Date Collected: 10/03/24 09:05

Matrix: Solid

Date Received: 10/04/24 09:24

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	92677	10/07/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92754	10/08/24 18:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 18:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 19:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92605	10/04/24 15:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92727	10/07/24 19:26	TKC	EET MID

Client Sample ID: CS - 49

Lab Sample ID: 890-7209-15

Date Collected: 10/03/24 09:10

Matrix: Solid

Date Received: 10/04/24 09:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	92677	10/07/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92754	10/08/24 18:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 18:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 19:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92605	10/04/24 15:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92727	10/07/24 19:41	TKC	EET MID

Client Sample ID: CS - 50

Lab Sample ID: 890-7209-16

Date Collected: 10/03/24 09:15

Matrix: Solid

Date Received: 10/04/24 09:24

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	92677	10/07/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92754	10/08/24 18:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 18:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 19:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92605	10/04/24 15:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92727	10/07/24 19:57	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 51**Lab Sample ID: 890-7209-17****Date Collected: 10/03/24 09:20****Matrix: Solid****Date Received: 10/04/24 09:24**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	92677	10/07/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92754	10/08/24 19:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 19:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 20:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92605	10/04/24 15:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92727	10/07/24 20:12	TKC	EET MID

Client Sample ID: CS - 52**Lab Sample ID: 890-7209-18****Date Collected: 10/03/24 09:25****Matrix: Solid****Date Received: 10/04/24 09:24**

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	92677	10/07/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92754	10/08/24 19:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 19:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 20:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92605	10/04/24 15:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92727	10/07/24 20:27	TKC	EET MID

Client Sample ID: CS - 53**Lab Sample ID: 890-7209-19****Date Collected: 10/03/24 09:45****Matrix: Solid****Date Received: 10/04/24 09:24**

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	92677	10/07/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92754	10/08/24 19:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 19:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 20:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92605	10/04/24 15:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92727	10/07/24 20:43	TKC	EET MID

Client Sample ID: CS - 54**Lab Sample ID: 890-7209-20****Date Collected: 10/03/24 09:50****Matrix: Solid****Date Received: 10/04/24 09:24**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	92677	10/07/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92754	10/08/24 20:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 20:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 20:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10.00 mL	92605	10/04/24 15:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92727	10/07/24 20:58	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 55

Lab Sample ID: 890-7209-21

Date Collected: 10/03/24 09:55

Matrix: Solid

Date Received: 10/04/24 09:24

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	92679	10/07/24 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92755	10/08/24 11:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 11:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 21:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92605	10/04/24 15:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92727	10/07/24 21:29	TKC	EET MID

Client Sample ID: CS - 56

Lab Sample ID: 890-7209-22

Date Collected: 10/03/24 10:00

Matrix: Solid

Date Received: 10/04/24 09:24

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	92679	10/07/24 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92755	10/08/24 12:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 12:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 21:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	92605	10/04/24 15:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92727	10/07/24 21:44	TKC	EET MID

Client Sample ID: CS - 57

Lab Sample ID: 890-7209-23

Date Collected: 10/03/24 10:05

Matrix: Solid

Date Received: 10/04/24 09:24

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	92679	10/07/24 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92755	10/08/24 12:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 21:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92605	10/04/24 15:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92727	10/07/24 21:59	TKC	EET MID

Client Sample ID: CS - 58

Lab Sample ID: 890-7209-24

Date Collected: 10/03/24 10:10

Matrix: Solid

Date Received: 10/04/24 09:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	92679	10/07/24 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92755	10/08/24 12:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 12:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 22:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92605	10/04/24 15:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92727	10/07/24 22:16	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 59

Lab Sample ID: 890-7209-25

Date Collected: 10/03/24 10:15

Matrix: Solid

Date Received: 10/04/24 09:24

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	92679	10/07/24 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92755	10/08/24 13:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 13:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 22:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92605	10/04/24 15:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92727	10/07/24 22:31	TKC	EET MID

Client Sample ID: CS - 60

Lab Sample ID: 890-7209-26

Date Collected: 10/03/24 10:20

Matrix: Solid

Date Received: 10/04/24 09:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	92679	10/07/24 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92755	10/08/24 13:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 13:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 22:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92605	10/04/24 15:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92727	10/07/24 22:46	TKC	EET MID

Client Sample ID: CS - 61

Lab Sample ID: 890-7209-27

Date Collected: 10/03/24 10:25

Matrix: Solid

Date Received: 10/04/24 09:24

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	92679	10/07/24 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92755	10/08/24 13:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 13:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 23:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	92605	10/04/24 15:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92727	10/07/24 23:02	TKC	EET MID

Client Sample ID: CS - 62

Lab Sample ID: 890-7209-28

Date Collected: 10/03/24 10:30

Matrix: Solid

Date Received: 10/04/24 09:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	92679	10/07/24 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92755	10/08/24 14:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 14:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 23:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92605	10/04/24 15:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92727	10/07/24 23:17	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 63

Lab Sample ID: 890-7209-29

Date Collected: 10/03/24 10:35

Matrix: Solid

Date Received: 10/04/24 09:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	92679	10/07/24 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92755	10/08/24 14:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 14:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 23:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92605	10/04/24 15:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92727	10/07/24 23:34	TKC	EET MID

Client Sample ID: CS - 64

Lab Sample ID: 890-7209-30

Date Collected: 10/03/24 10:40

Matrix: Solid

Date Received: 10/04/24 09:24

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	92679	10/07/24 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92755	10/08/24 14:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 14:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 23:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92605	10/04/24 15:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92727	10/07/24 23:48	TKC	EET MID

Client Sample ID: CS - 65

Lab Sample ID: 890-7209-31

Date Collected: 10/03/24 10:45

Matrix: Solid

Date Received: 10/04/24 09:24

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	92679	10/07/24 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92755	10/08/24 16:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 17:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92606	10/04/24 15:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/07/24 17:33	TKC	EET MID

Client Sample ID: CS - 66

Lab Sample ID: 890-7209-32

Date Collected: 10/03/24 10:50

Matrix: Solid

Date Received: 10/04/24 09:24

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	92679	10/07/24 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92755	10/08/24 16:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 16:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 18:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	92606	10/04/24 15:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/07/24 18:56	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 67

Lab Sample ID: 890-7209-33

Date Collected: 10/03/24 10:55

Matrix: Solid

Date Received: 10/04/24 09:24

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	92679	10/07/24 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92755	10/08/24 16:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 16:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 19:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92606	10/04/24 15:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/07/24 19:11	TKC	EET MID

Client Sample ID: CS - 68

Lab Sample ID: 890-7209-34

Date Collected: 10/03/24 11:00

Matrix: Solid

Date Received: 10/04/24 09:24

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	92679	10/07/24 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92755	10/08/24 17:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 17:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 19:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92606	10/04/24 15:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/07/24 19:26	TKC	EET MID

Client Sample ID: CS - 69

Lab Sample ID: 890-7209-35

Date Collected: 10/03/24 11:00

Matrix: Solid

Date Received: 10/04/24 09:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	92679	10/07/24 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92755	10/08/24 17:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 17:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 19:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92606	10/04/24 15:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/07/24 19:41	TKC	EET MID

Client Sample ID: CS - 70

Lab Sample ID: 890-7209-36

Date Collected: 10/03/24 11:05

Matrix: Solid

Date Received: 10/04/24 09:24

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	92679	10/07/24 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92755	10/08/24 17:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 17:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 19:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92606	10/04/24 15:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/07/24 19:57	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 71

Lab Sample ID: 890-7209-37

Date Collected: 10/03/24 11:10

Matrix: Solid

Date Received: 10/04/24 09:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	92679	10/07/24 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92755	10/08/24 18:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 18:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 20:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92606	10/04/24 15:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/07/24 20:12	TKC	EET MID

Client Sample ID: CS - 16

Lab Sample ID: 890-7209-38

Date Collected: 10/04/24 08:00

Matrix: Solid

Date Received: 10/04/24 09:24

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	92679	10/07/24 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92755	10/08/24 18:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 18:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 20:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	92606	10/04/24 15:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/07/24 20:27	TKC	EET MID

Client Sample ID: CS - 17

Lab Sample ID: 890-7209-39

Date Collected: 10/04/24 08:10

Matrix: Solid

Date Received: 10/04/24 09:24

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	92679	10/07/24 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92755	10/08/24 18:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 18:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 20:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92606	10/04/24 15:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/07/24 20:43	TKC	EET MID

Client Sample ID: CS - 77

Lab Sample ID: 890-7209-40

Date Collected: 10/04/24 08:20

Matrix: Solid

Date Received: 10/04/24 09:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	92679	10/07/24 10:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92755	10/08/24 19:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 19:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 20:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	92606	10/04/24 15:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/07/24 20:58	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Client Sample ID: CS - 78
Date Collected: 10/04/24 08:30
Date Received: 10/04/24 09:24

Lab Sample ID: 890-7209-41
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	92680	10/07/24 10:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92651	10/08/24 23:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92839	10/08/24 23:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			92794	10/07/24 21:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92606	10/04/24 15:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/07/24 21:29	TKC	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

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	06-30-25
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

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Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID

Protocol References:

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:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7209-1
SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7209-1	CS - 35	Solid	10/03/24 08:00	10/04/24 09:24	1
890-7209-2	CS - 36	Solid	10/03/24 08:05	10/04/24 09:24	1
890-7209-3	CS - 37	Solid	10/03/24 08:10	10/04/24 09:24	1
890-7209-4	CS - 38	Solid	10/03/24 08:15	10/04/24 09:24	1
890-7209-5	CS - 39	Solid	10/03/24 08:20	10/04/24 09:24	1
890-7209-6	CS - 40	Solid	10/03/24 08:25	10/04/24 09:24	1
890-7209-7	CS - 41	Solid	10/03/24 08:30	10/04/24 09:24	2
890-7209-8	CS - 42	Solid	10/03/24 08:35	10/04/24 09:24	2
890-7209-9	CS - 43	Solid	10/03/24 08:40	10/04/24 09:24	2
890-7209-10	CS - 44	Solid	10/03/24 08:45	10/04/24 09:24	2
890-7209-11	CS - 45	Solid	10/03/24 08:50	10/04/24 09:24	2
890-7209-12	CS - 46	Solid	10/03/24 08:55	10/04/24 09:24	1
890-7209-13	CS - 47	Solid	10/03/24 09:00	10/04/24 09:24	1
890-7209-14	CS - 48	Solid	10/03/24 09:05	10/04/24 09:24	1
890-7209-15	CS - 49	Solid	10/03/24 09:10	10/04/24 09:24	1
890-7209-16	CS - 50	Solid	10/03/24 09:15	10/04/24 09:24	1
890-7209-17	CS - 51	Solid	10/03/24 09:20	10/04/24 09:24	1
890-7209-18	CS - 52	Solid	10/03/24 09:25	10/04/24 09:24	1
890-7209-19	CS - 53	Solid	10/03/24 09:45	10/04/24 09:24	1
890-7209-20	CS - 54	Solid	10/03/24 09:50	10/04/24 09:24	1
890-7209-21	CS - 55	Solid	10/03/24 09:55	10/04/24 09:24	1
890-7209-22	CS - 56	Solid	10/03/24 10:00	10/04/24 09:24	1
890-7209-23	CS - 57	Solid	10/03/24 10:05	10/04/24 09:24	1
890-7209-24	CS - 58	Solid	10/03/24 10:10	10/04/24 09:24	1
890-7209-25	CS - 59	Solid	10/03/24 10:15	10/04/24 09:24	1
890-7209-26	CS - 60	Solid	10/03/24 10:20	10/04/24 09:24	1
890-7209-27	CS - 61	Solid	10/03/24 10:25	10/04/24 09:24	1
890-7209-28	CS - 62	Solid	10/03/24 10:30	10/04/24 09:24	1
890-7209-29	CS - 63	Solid	10/03/24 10:35	10/04/24 09:24	1
890-7209-30	CS - 64	Solid	10/03/24 10:40	10/04/24 09:24	1
890-7209-31	CS - 65	Solid	10/03/24 10:45	10/04/24 09:24	1
890-7209-32	CS - 66	Solid	10/03/24 10:50	10/04/24 09:24	1
890-7209-33	CS - 67	Solid	10/03/24 10:55	10/04/24 09:24	1
890-7209-34	CS - 68	Solid	10/03/24 11:00	10/04/24 09:24	1
890-7209-35	CS - 69	Solid	10/03/24 11:00	10/04/24 09:24	1
890-7209-36	CS - 70	Solid	10/03/24 11:05	10/04/24 09:24	1
890-7209-37	CS - 71	Solid	10/03/24 11:10	10/04/24 09:24	2
890-7209-38	CS - 16	Solid	10/04/24 08:00	10/04/24 09:24	1.25'
890-7209-39	CS - 17	Solid	10/04/24 08:10	10/04/24 09:24	1.25'
890-7209-40	CS - 77	Solid	10/04/24 08:20	10/04/24 09:24	1'
890-7209-41	CS - 78	Solid	10/04/24 08:30	10/04/24 09:24	1'



Environment Testing
Xenco

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El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: _____

www.xenco.com Page 1 of 5

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net

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

Project Name:	Chicken Noodle Federal Com CTB	Turn Around	☒ Routine ☐ Rush	Pres. Code	
Project Number:	2402	Due Date:	5 Day TAT		
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Gilbert Moreno	Temp Blank:	☒ Yes ☐ No	Well Ice:	☒ Yes ☐ No
PO #:		Thermometer ID:	TMA07		
SAMPLE RECEIPT	Yes	Correction Factor:	-0.2		
Samples Received Intact:	Yes	Temperature Reading:	-0.2		
Cooler Custody Seals:	Yes	Corrected Temperature:	0.2		
Sample Custody Seals:	Yes				
Total Containers:					



890-7209 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp	# of Cont	Sample Comments													
							TPH	Chloride	BTEX	Hold										
CS-35	S	10.3.2024	8:00	1	Comp	1	X	X	X											Incident Number
CS-36	S	10.3.2024	8:05	1	Comp	1	X	X	X											nAPP2423129926
CS-37	S	10.3.2024	8:10	1	Comp	1	X	X	X											
CS-38	S	10.3.2024	8:15	1	Comp	1	X	X	X											
CS-39	S	10.3.2024	8:20	1	Comp	1	X	X	X											
CS-40	S	10.3.2024	8:25	1	Comp	1	X	X	X											
CS-41	S	10.3.2024	8:30	2	Comp	1	X	X	X											
CS-42	S	10.3.2024	8:35	2	Comp	1	X	X	X											
CS-43	S	10.3.2024	8:40	2	Comp	1	X	X	X											

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 Ti Sn U V Zn
Hg: 1631 / 245.1 / 7470 / 7471

Circle Method(s) and Metal(s) to be analyzed

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Gilbert Moreno</i>	<i>Gilbert Moreno</i>	10/1 9:24			



Environment Testing
Xenco

Chain of Custody

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El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

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Page 2 of 5

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net

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

Project Name:	Chicken Noodle Federal Com CTB	Turn Around	☒ Routine ☐ Rush	Pres. Code	ANALYSIS REQUEST													Preservative Codes		
Project Number:	2402																	None: NO	DI Water: H ₂ O	
Project Location:	Eddy County, NM	Due Date:	5 Day TAT															Cool: Cool	MeOH: Me	
Sampler's Name:	Gilbert Moreno	TAT starts the day received by the lab, if received by 4:30pm																	HCL: HC	HNO ₃ : HN
PO #:																		H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT	Temp Blank: ☒ Yes ☒ No	Wet Ice: ☒ Yes ☒ No																H ₃ PO ₄ : HP		
Samples Received Intact:	☒ Yes ☒ No	Thermometer ID:	T10007															NaHSO ₄ : NABIS		
Cooler Custody Seals:	☒ Yes ☒ No	Correction Factor:	-0.2															Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:	☒ Yes ☒ No	Temperature Reading:	-0.2															Zn Acetate+NaOH: Zn		
Total Containers:		Corrected Temperature:																NaOH+Ascorbic Acid: SAPC		
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp	# of Cont	TPH	Chloride-24 HR Rush	BTEX	Hold								Sample Comments		
CS-44	S	10.3.2024	8:45	2	Comp	1	X	X	X									Incident Number		
CS-45	S	10.3.2024	8:50	2	Comp	1	X	X	X									nAPP2423129926		
CS-46	S	10.3.2024	8:55	1	Comp	1	X	X	X											
CS-47	S	10.3.2024	9:00	1	Comp	1	X	X	X											
CS-48	S	10.3.2024	9:05	1	Comp	1	X	X	X											
CS-49	S	10.3.2024	9:10	1	Comp	1	X	X	X											
CS-50	S	10.3.2024	9:15	1	Comp	1	X	X	X											
CS-51	S	10.3.2024	9:20	1	Comp	1	X	X	X											
CS-52	S	10.3.2024	9:25	1	Comp	1	X	X	X											

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 Ti Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed

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<i>[Signature]</i>	<i>[Signature]</i>	10/11/24 9:24			



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El Paso, TX (915) 565-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No:

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Project Manager:	Gilbert Moreno	Billed to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

[illegible][illegible]

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 SiO ₂ Na Sr Ti Sn U V Zn

Hg: 1631 / 245.1 / 7470 / 7471

of service. Eurofins 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 Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated and agreed in writing by the client and Eurofins Xenco.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0 <i>Cafena</i>	<i>Baums</i>	12/1 9 24	2		
3			4		
5			6		

Printed Date: 08/25/2025 8aw 2025



Environment Testing
Xenco

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El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

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Page 5 of 5

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net

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

Project Name:	Chicken Noodle Federal Com CTB	Turn Around	☒ Routine ☐ Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes						
Project Number:	2402	Due Date:	5 Day TAT												None: NO	DI Water: H ₂ O					
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm														Cool: Cool	MeOH: Me				
Sampler's Name:	Gilbert Moreno															HCL: HC	HNO ₃ : HN				
PO #:																H ₂ SO ₄ : H ₂	NaOH: Na				
SAMPLE RECEIPT	Temp Blank: ☒ Yes ☒ No	Wet Ice: ☒ Yes ☒ No														H ₃ PO ₄ : HP					
Samples Received Intact:	☒ Yes ☒ No	Thermometer ID:	TMM007													NaHSO ₄ : NABIS					
Cooler Custody Seals:	☒ Yes ☒ No	Correction Factor:	-0.2													Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:	☒ Yes ☒ No	Temperature Reading:	-0.2													Zn Acetate+NaOH: Zn					
Total Containers:		Corrected Temperature:	0													NaOH+Ascorbic Acid: SAPC					
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp	# of Cont	TPH	Chloride-24 HR Rush	BTEX	Hold											Sample Comments
CS-71	S	10.3.2024	11:10	2	Comp	1	X	X	X												Incident Number
CS-16	S	10.4.24	08:00	1.25'	C	1	X	X	X												nAPP2423129926
CS-17	S	10.4.24	08:10	1.25'	C	1	X	X	X												
CS-77	S	10.4.24	08:20	1'	C	1	X	X	X												
CS-78	S	10.4.24	08:30	1'	C	1	X	X	X												

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

Circle Method(s) and Metal(s) to be analyzed

Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		10/1 924			

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-7209-1

SDG Number: Eddy County NM

Login Number: 7209

List Number: 1

Creator: Bruns, Shannon

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.	N/A	Refer to Job Narrative for details.
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: Earth Systems Response and Restoration

Job Number: 890-7209-1
SDG Number: Eddy County NM

Login Number: 7209
List Number: 2
Creator: Vasquez, Julisa

List Source: Eurofins Midland
List Creation: 10/05/24 02:40 PM

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	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Kris Williams
Earth Systems Response and Restoration
4115 South County Road 1297
Odessa, Texas 79765

Generated 10/9/2024 8:35:25 AM

JOB DESCRIPTION

Chicken Noodle Federal Com CTB
Eddy County NM

JOB NUMBER

890-7208-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220



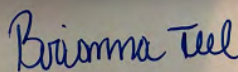
Eurofins Carlsbad

Job Notes

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

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
10/9/2024 8:35:25 AM

Authorized for release by
Brianna Teel, Project Manager
Brianna.Teel@et.eurofinsus.com
(432)704-5440

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Laboratory Job ID: 890-7208-1
SDG: Eddy County NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7208-1
SDG: Eddy County NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
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: Earth Systems Response and Restoration
Project: Chicken Noodle Federal Com CTB

Job ID: 890-7208-1

Job ID: 890-7208-1

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Job Narrative 890-7208-1

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

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

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

Receipt

The samples were received on 10/4/2024 9:24 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW - 4 (890-7208-1), SW - 5 (890-7208-2), SW - 6 (890-7208-3), SW - 7 (890-7208-4), SW - 8 (890-7208-5), SW - 9 (890-7208-6) and SW - 10 (890-7208-7).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-92651 recovered under the lower control limit for Toluene and Ethylbenzene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW - 9 (890-7208-6). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-92730 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-92730/57).

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

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7208-1
SDG: Eddy County NM

Client Sample ID: SW - 4

Lab Sample ID: 890-7208-1

Date Collected: 10/03/24 09:30

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 0 - 2

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:30	10/09/24 03:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:30	10/09/24 03:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:30	10/09/24 03:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/07/24 10:30	10/09/24 03:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:30	10/09/24 03:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/07/24 10:30	10/09/24 03:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	10/07/24 10:30	10/09/24 03:49	1
1,4-Difluorobenzene (Surr)	103		70 - 130	10/07/24 10:30	10/09/24 03:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/09/24 03:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/08/24 03:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/04/24 15:21	10/08/24 03:09	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/04/24 15:21	10/08/24 03:09	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/04/24 15:21	10/08/24 03:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	10/04/24 15:21	10/08/24 03:09	1
o-Terphenyl	105		70 - 130	10/04/24 15:21	10/08/24 03:09	1

Client Sample ID: SW - 5

Lab Sample ID: 890-7208-2

Date Collected: 10/03/24 09:35

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 0 - 2

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:30	10/09/24 04:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:30	10/09/24 04:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:30	10/09/24 04:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/07/24 10:30	10/09/24 04:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:30	10/09/24 04:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/07/24 10:30	10/09/24 04:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	10/07/24 10:30	10/09/24 04:09	1
1,4-Difluorobenzene (Surr)	102		70 - 130	10/07/24 10:30	10/09/24 04:09	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7208-1
SDG: Eddy County NM

Client Sample ID: SW - 5

Lab Sample ID: 890-7208-2

Date Collected: 10/03/24 09:35

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 0 - 2

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/09/24 04:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/08/24 03:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/04/24 15:21	10/08/24 03:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/04/24 15:21	10/08/24 03:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/04/24 15:21	10/08/24 03:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				10/04/24 15:21	10/08/24 03:24	1
o-Terphenyl	103		70 - 130				10/04/24 15:21	10/08/24 03:24	1

Client Sample ID: SW - 6

Lab Sample ID: 890-7208-3

Date Collected: 10/03/24 09:40

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 0 - 2

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:30	10/09/24 04:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:30	10/09/24 04:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:30	10/09/24 04:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/07/24 10:30	10/09/24 04:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:30	10/09/24 04:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/07/24 10:30	10/09/24 04:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				10/07/24 10:30	10/09/24 04:30	1
1,4-Difluorobenzene (Surr)	102		70 - 130				10/07/24 10:30	10/09/24 04:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/09/24 04:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/08/24 03:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/04/24 15:21	10/08/24 03:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/04/24 15:21	10/08/24 03:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/04/24 15:21	10/08/24 03:39	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7208-1
SDG: Eddy County NM

Client Sample ID: SW - 6

Lab Sample ID: 890-7208-3

Date Collected: 10/03/24 09:40

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 0 - 2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	10/04/24 15:21	10/08/24 03:39	1
o-Terphenyl	108		70 - 130	10/04/24 15:21	10/08/24 03:39	1

Client Sample ID: SW - 7

Lab Sample ID: 890-7208-4

Date Collected: 10/03/24 09:45

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 0 - 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:30	10/09/24 04:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:30	10/09/24 04:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:30	10/09/24 04:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/07/24 10:30	10/09/24 04:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:30	10/09/24 04:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/07/24 10:30	10/09/24 04:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				10/07/24 10:30	10/09/24 04:50	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/07/24 10:30	10/09/24 04:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/09/24 04:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/08/24 03:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/04/24 15:21	10/08/24 03:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/04/24 15:21	10/08/24 03:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/04/24 15:21	10/08/24 03:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				10/04/24 15:21	10/08/24 03:54	1
o-Terphenyl	102		70 - 130				10/04/24 15:21	10/08/24 03:54	1

Client Sample ID: SW - 8

Lab Sample ID: 890-7208-5

Date Collected: 10/03/24 09:50

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 0 - 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:30	10/09/24 05:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:30	10/09/24 05:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:30	10/09/24 05:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/07/24 10:30	10/09/24 05:11	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7208-1
SDG: Eddy County NM

Client Sample ID: SW - 8

Lab Sample ID: 890-7208-5

Date Collected: 10/03/24 09:50

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 0 - 1

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:30	10/09/24 05:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/07/24 10:30	10/09/24 05:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				10/07/24 10:30	10/09/24 05:11	1
1,4-Difluorobenzene (Surr)	102		70 - 130				10/07/24 10:30	10/09/24 05:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/09/24 05:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/08/24 04:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/04/24 15:21	10/08/24 04:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/04/24 15:21	10/08/24 04:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/04/24 15:21	10/08/24 04:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				10/04/24 15:21	10/08/24 04:10	1
o-Terphenyl	99		70 - 130				10/04/24 15:21	10/08/24 04:10	1

Client Sample ID: SW - 9

Lab Sample ID: 890-7208-6

Date Collected: 10/03/24 09:55

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1 - 2

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:30	10/09/24 05:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:30	10/09/24 05:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:30	10/09/24 05:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/07/24 10:30	10/09/24 05:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:30	10/09/24 05:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/07/24 10:30	10/09/24 05:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				10/07/24 10:30	10/09/24 05:31	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/07/24 10:30	10/09/24 05:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/09/24 05:31	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7208-1
SDG: Eddy County NM

Client Sample ID: SW - 9

Lab Sample ID: 890-7208-6

Date Collected: 10/03/24 09:55

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1 - 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/08/24 04:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/04/24 15:21	10/08/24 04:25	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/04/24 15:21	10/08/24 04:25	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/04/24 15:21	10/08/24 04:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				10/04/24 15:21	10/08/24 04:25	1
o-Terphenyl	69	S1-	70 - 130				10/04/24 15:21	10/08/24 04:25	1

Client Sample ID: SW - 10

Lab Sample ID: 890-7208-7

Date Collected: 10/03/24 10:00

Matrix: Solid

Date Received: 10/04/24 09:24

Sample Depth: 1 - 2

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:30	10/09/24 05:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:30	10/09/24 05:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:30	10/09/24 05:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/07/24 10:30	10/09/24 05:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:30	10/09/24 05:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/07/24 10:30	10/09/24 05:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				10/07/24 10:30	10/09/24 05:52	1
1,4-Difluorobenzene (Surr)	103		70 - 130				10/07/24 10:30	10/09/24 05:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/09/24 05:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/08/24 04:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/04/24 15:21	10/08/24 04:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/04/24 15:21	10/08/24 04:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/04/24 15:21	10/08/24 04:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				10/04/24 15:21	10/08/24 04:41	1
o-Terphenyl	104		70 - 130				10/04/24 15:21	10/08/24 04:41	1

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Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7208-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
890-7208-1	SW - 4	110	103				
890-7208-2	SW - 5	107	102				
890-7208-3	SW - 6	108	102				
890-7208-4	SW - 7	112	100				
890-7208-5	SW - 8	109	102				
890-7208-6	SW - 9	113	100				
890-7208-7	SW - 10	109	103				
890-7209-A-41-C MS	Matrix Spike	106	103				
890-7209-A-41-D MSD	Matrix Spike Duplicate	105	103				
LCS 880-92680/1-A	Lab Control Sample	100	103				
LCSD 880-92680/2-A	Lab Control Sample Dup	103	100				
MB 880-92655/5-A	Method Blank	106	101				
MB 880-92680/5-A	Method Blank	108	100				
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	OTPH1				
		(70-130)	(70-130)				
880-49382-A-25-B MS	Matrix Spike	114	119				
880-49382-A-25-C MSD	Matrix Spike Duplicate	111	115				
890-7208-1	SW - 4	107	105				
890-7208-2	SW - 5	103	103				
890-7208-3	SW - 6	111	108				
890-7208-4	SW - 7	107	102				
890-7208-5	SW - 8	107	99				
890-7208-6	SW - 9	72	69 S1-				
890-7208-7	SW - 10	112	104				
LCS 880-92604/2-A	Lab Control Sample	114	117				
LCSD 880-92604/3-A	Lab Control Sample Dup	115	118				
MB 880-92604/1-A	Method Blank	105	99				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7208-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-92655/5-A

Matrix: Solid

Analysis Batch: 92651

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92655

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/07/24 08:23	10/08/24 11:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/07/24 08:23	10/08/24 11:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/07/24 08:23	10/08/24 11:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/07/24 08:23	10/08/24 11:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/07/24 08:23	10/08/24 11:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/07/24 08:23	10/08/24 11:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	10/07/24 08:23	10/08/24 11:20	1
1,4-Difluorobenzene (Surr)	101		70 - 130	10/07/24 08:23	10/08/24 11:20	1

Lab Sample ID: MB 880-92680/5-A

Matrix: Solid

Analysis Batch: 92651

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92680

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:30	10/08/24 23:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:30	10/08/24 23:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:30	10/08/24 23:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/07/24 10:30	10/08/24 23:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:30	10/08/24 23:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/07/24 10:30	10/08/24 23:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	10/07/24 10:30	10/08/24 23:00	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/07/24 10:30	10/08/24 23:00	1

Lab Sample ID: LCS 880-92680/1-A

Matrix: Solid

Analysis Batch: 92651

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92680

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08721		mg/Kg		87	70 - 130
Toluene	0.100	0.08248		mg/Kg		82	70 - 130
Ethylbenzene	0.100	0.08202		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	0.200	0.1764		mg/Kg		88	70 - 130
o-Xylene	0.100	0.09027		mg/Kg		90	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-92680/2-A

Matrix: Solid

Analysis Batch: 92651

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92680

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08466		mg/Kg		85	70 - 130	3	35

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7208-1
SDG: Eddy County NM

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

Lab Sample ID: LCSD 880-92680/2-A

Matrix: Solid

Analysis Batch: 92651

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92680

Analyte	Spike		LCSD	LCSD	Unit	D	%Rec	%Rec		RPD	
	Added	Result	Qualifier	Result				Limits	RPD	Limit	Limit
Toluene	0.100	0.08000			mg/Kg		80	70 - 130	3	35	
Ethylbenzene	0.100	0.07952			mg/Kg		80	70 - 130	3	35	
m-Xylene & p-Xylene	0.200	0.1702			mg/Kg		85	70 - 130	4	35	
o-Xylene	0.100	0.08706			mg/Kg		87	70 - 130	4	35	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-7209-A-41-C MS

Matrix: Solid

Analysis Batch: 92651

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 92680

Analyte	Sample		Spike	MS		Unit	D	%Rec	%Rec	
	Result	Qualifier		Result	Qualifier				Limits	RPD
Benzene	<0.00201	U	0.100	0.08446		mg/Kg		84	70 - 130	
Toluene	<0.00201	U	0.100	0.07934		mg/Kg		79	70 - 130	
Ethylbenzene	<0.00201	U	0.100	0.07909		mg/Kg		79	70 - 130	
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1691		mg/Kg		85	70 - 130	
o-Xylene	<0.00201	U	0.100	0.08617		mg/Kg		86	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 890-7209-A-41-D MSD

Matrix: Solid

Analysis Batch: 92651

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 92680

Analyte	Sample		Spike	MSD		Unit	D	%Rec	%Rec		RPD	
	Result	Qualifier		Result	Qualifier				Limits	RPD	Limit	Limit
Benzene	<0.00201	U	0.100	0.08358		mg/Kg		84	70 - 130	1	35	
Toluene	<0.00201	U	0.100	0.07796		mg/Kg		78	70 - 130	2	35	
Ethylbenzene	<0.00201	U	0.100	0.07808		mg/Kg		78	70 - 130	1	35	
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1664		mg/Kg		83	70 - 130	2	35	
o-Xylene	<0.00201	U	0.100	0.08466		mg/Kg		85	70 - 130	2	35	

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

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

Lab Sample ID: MB 880-92604/1-A

Matrix: Solid

Analysis Batch: 92730

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92604

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/04/24 15:21	10/08/24 01:05	1

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7208-1
SDG: Eddy County NM

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

Lab Sample ID: MB 880-92604/1-A

Matrix: Solid

Analysis Batch: 92730

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92604

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/04/24 15:21	10/08/24 01:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/04/24 15:21	10/08/24 01:05	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				10/04/24 15:21	10/08/24 01:05	1
o-Terphenyl	99		70 - 130				10/04/24 15:21	10/08/24 01:05	1

Lab Sample ID: LCS 880-92604/2-A

Matrix: Solid

Analysis Batch: 92730

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92604

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1075		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1005		mg/Kg		101	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	114		70 - 130				
o-Terphenyl	117		70 - 130				

Lab Sample ID: LCSD 880-92604/3-A

Matrix: Solid

Analysis Batch: 92730

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92604

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1085		mg/Kg		109	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1016		mg/Kg		102	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	115		70 - 130						
o-Terphenyl	118		70 - 130						

Lab Sample ID: 880-49382-A-25-B MS

Matrix: Solid

Analysis Batch: 92730

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 92604

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	1011		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	996	999.7		mg/Kg		100	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	114		70 - 130						
o-Terphenyl	119		70 - 130						

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7208-1
SDG: Eddy County NM

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

Lab Sample ID: 880-49382-A-25-C MSD						Client Sample ID: Matrix Spike Duplicate					
Matrix: Solid						Prep Type: Total/NA					
Analysis Batch: 92730						Prep Batch: 92604					
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	1008		mg/Kg		101	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	996	963.7		mg/Kg		97	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	111		70 - 130								
o-Terphenyl	115		70 - 130								

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7208-1
SDG: Eddy County NM

GC VOA

Analysis Batch: 92651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7208-1	SW - 4	Total/NA	Solid	8021B	92680
890-7208-2	SW - 5	Total/NA	Solid	8021B	92680
890-7208-3	SW - 6	Total/NA	Solid	8021B	92680
890-7208-4	SW - 7	Total/NA	Solid	8021B	92680
890-7208-5	SW - 8	Total/NA	Solid	8021B	92680
890-7208-6	SW - 9	Total/NA	Solid	8021B	92680
890-7208-7	SW - 10	Total/NA	Solid	8021B	92680
MB 880-92655/5-A	Method Blank	Total/NA	Solid	8021B	92655
MB 880-92680/5-A	Method Blank	Total/NA	Solid	8021B	92680
LCS 880-92680/1-A	Lab Control Sample	Total/NA	Solid	8021B	92680
LCSD 880-92680/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	92680
890-7209-A-41-C MS	Matrix Spike	Total/NA	Solid	8021B	92680
890-7209-A-41-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	92680

Prep Batch: 92655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-92655/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 92680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7208-1	SW - 4	Total/NA	Solid	5035	
890-7208-2	SW - 5	Total/NA	Solid	5035	
890-7208-3	SW - 6	Total/NA	Solid	5035	
890-7208-4	SW - 7	Total/NA	Solid	5035	
890-7208-5	SW - 8	Total/NA	Solid	5035	
890-7208-6	SW - 9	Total/NA	Solid	5035	
890-7208-7	SW - 10	Total/NA	Solid	5035	
MB 880-92680/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-92680/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-92680/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7209-A-41-C MS	Matrix Spike	Total/NA	Solid	5035	
890-7209-A-41-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 92842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7208-1	SW - 4	Total/NA	Solid	Total BTEX	
890-7208-2	SW - 5	Total/NA	Solid	Total BTEX	
890-7208-3	SW - 6	Total/NA	Solid	Total BTEX	
890-7208-4	SW - 7	Total/NA	Solid	Total BTEX	
890-7208-5	SW - 8	Total/NA	Solid	Total BTEX	
890-7208-6	SW - 9	Total/NA	Solid	Total BTEX	
890-7208-7	SW - 10	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 92604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7208-1	SW - 4	Total/NA	Solid	8015NM Prep	
890-7208-2	SW - 5	Total/NA	Solid	8015NM Prep	
890-7208-3	SW - 6	Total/NA	Solid	8015NM Prep	
890-7208-4	SW - 7	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7208-1
SDG: Eddy County NM

GC Semi VOA (Continued)

Prep Batch: 92604 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7208-5	SW - 8	Total/NA	Solid	8015NM Prep	
890-7208-6	SW - 9	Total/NA	Solid	8015NM Prep	
890-7208-7	SW - 10	Total/NA	Solid	8015NM Prep	
MB 880-92604/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92604/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92604/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-49382-A-25-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-49382-A-25-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 92730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7208-1	SW - 4	Total/NA	Solid	8015B NM	92604
890-7208-2	SW - 5	Total/NA	Solid	8015B NM	92604
890-7208-3	SW - 6	Total/NA	Solid	8015B NM	92604
890-7208-4	SW - 7	Total/NA	Solid	8015B NM	92604
890-7208-5	SW - 8	Total/NA	Solid	8015B NM	92604
890-7208-6	SW - 9	Total/NA	Solid	8015B NM	92604
890-7208-7	SW - 10	Total/NA	Solid	8015B NM	92604
MB 880-92604/1-A	Method Blank	Total/NA	Solid	8015B NM	92604
LCS 880-92604/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92604
LCSD 880-92604/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92604
880-49382-A-25-B MS	Matrix Spike	Total/NA	Solid	8015B NM	92604
880-49382-A-25-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	92604

Analysis Batch: 92799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7208-1	SW - 4	Total/NA	Solid	8015 NM	
890-7208-2	SW - 5	Total/NA	Solid	8015 NM	
890-7208-3	SW - 6	Total/NA	Solid	8015 NM	
890-7208-4	SW - 7	Total/NA	Solid	8015 NM	
890-7208-5	SW - 8	Total/NA	Solid	8015 NM	
890-7208-6	SW - 9	Total/NA	Solid	8015 NM	
890-7208-7	SW - 10	Total/NA	Solid	8015 NM	

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7208-1
SDG: Eddy County NM

Client Sample ID: SW - 4**Lab Sample ID: 890-7208-1****Date Collected: 10/03/24 09:30****Matrix: Solid****Date Received: 10/04/24 09:24**

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	92680	10/07/24 10:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92651	10/09/24 03:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92842	10/09/24 03:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			92799	10/08/24 03:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92604	10/04/24 15:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/08/24 03:09	TKC	EET MID

Client Sample ID: SW - 5**Lab Sample ID: 890-7208-2****Date Collected: 10/03/24 09:35****Matrix: Solid****Date Received: 10/04/24 09:24**

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	92680	10/07/24 10:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92651	10/09/24 04:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92842	10/09/24 04:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			92799	10/08/24 03:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	92604	10/04/24 15:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/08/24 03:24	TKC	EET MID

Client Sample ID: SW - 6**Lab Sample ID: 890-7208-3****Date Collected: 10/03/24 09:40****Matrix: Solid****Date Received: 10/04/24 09:24**

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	92680	10/07/24 10:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92651	10/09/24 04:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92842	10/09/24 04:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			92799	10/08/24 03:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92604	10/04/24 15:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/08/24 03:39	TKC	EET MID

Client Sample ID: SW - 7**Lab Sample ID: 890-7208-4****Date Collected: 10/03/24 09:45****Matrix: Solid****Date Received: 10/04/24 09:24**

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	92680	10/07/24 10:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92651	10/09/24 04:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92842	10/09/24 04:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			92799	10/08/24 03:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92604	10/04/24 15:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/08/24 03:54	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7208-1
SDG: Eddy County NM

Client Sample ID: SW - 8

Lab Sample ID: 890-7208-5

Date Collected: 10/03/24 09:50

Matrix: Solid

Date Received: 10/04/24 09:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	92680	10/07/24 10:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92651	10/09/24 05:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92842	10/09/24 05:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			92799	10/08/24 04:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92604	10/04/24 15:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/08/24 04:10	TKC	EET MID

Client Sample ID: SW - 9

Lab Sample ID: 890-7208-6

Date Collected: 10/03/24 09:55

Matrix: Solid

Date Received: 10/04/24 09:24

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	92680	10/07/24 10:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92651	10/09/24 05:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92842	10/09/24 05:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			92799	10/08/24 04:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92604	10/04/24 15:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/08/24 04:25	TKC	EET MID

Client Sample ID: SW - 10

Lab Sample ID: 890-7208-7

Date Collected: 10/03/24 10:00

Matrix: Solid

Date Received: 10/04/24 09:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	92680	10/07/24 10:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92651	10/09/24 05:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92842	10/09/24 05:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			92799	10/08/24 04:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92604	10/04/24 15:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/08/24 04:41	TKC	EET MID

Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7208-1
SDG: Eddy County NM

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	06-30-25
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: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7208-1
SDG: Eddy County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID

Protocol References:
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:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7208-1
SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7208-1	SW - 4	Solid	10/03/24 09:30	10/04/24 09:24	0 - 2
890-7208-2	SW - 5	Solid	10/03/24 09:35	10/04/24 09:24	0 - 2
890-7208-3	SW - 6	Solid	10/03/24 09:40	10/04/24 09:24	0 - 2
890-7208-4	SW - 7	Solid	10/03/24 09:45	10/04/24 09:24	0 - 1
890-7208-5	SW - 8	Solid	10/03/24 09:50	10/04/24 09:24	0 - 1
890-7208-6	SW - 9	Solid	10/03/24 09:55	10/04/24 09:24	1 - 2
890-7208-7	SW - 10	Solid	10/03/24 10:00	10/04/24 09:24	1 - 2

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Chain of Custody

Work Order No:

www.xenico.com Page 1 of 1

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net

Work Order Comments	
Program:	UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐
State of Project:	
Reporting:	Level I ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables:	EDD ☐ ADAPT ☐ Other:

Project Name:						Chicken Noodle Federal Com CTB						Turn Around						Pres. Code						ANALYSIS REQUEST								Preservative Codes																			
Project Number:						2402						☒ Routine ☐ Rush																				None: NO								DI Water: H ₂ O											
Project Location:						Eddy County, NM						Due Date:						5 Day TAT														Cool: Cool								MeOH: Me											
Sampler's Name:						Gilbert Moreno						TAT starts the day received by the lab, if received by 4:30pm																				HCL: HC								HNO ₃ : HN											
PO #:																																H ₂ SO ₄ : H ₂								NaOH: Na											
SAMPLE RECEIPT						Temp Blank: Yes No						Yes No						Wet Ice: Yes No												H ₃ PO ₄ : HP																					
Samples Received Intact:						(Yes) (No)						Thermometer ID:						TMM007												NaHSO ₄ : NABIS																					
Cooler Custody Seals:						Yes No						N/A						Correction Factor:						-0.2												Na ₂ S ₂ O ₃ : NaSO ₃															
Sample Custody Seals:						Yes No						N/A						Temperature Reading:						-0.2												Zn Acetate+NaOH: Zn															
Total Containers:												Corrected Temperature:						0												NaOH+Ascorbic Acid: SABC																					

[illegible][illegible]

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins 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 Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins 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
		10/11 924			

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-7208-1

SDG Number: Eddy County NM

Login Number: 7208

List Number: 1

Creator: Bruns, Shannon

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.	N/A	Refer to Job Narrative for details.
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: Earth Systems Response and Restoration

Job Number: 890-7208-1
SDG Number: Eddy County NM

Login Number: 7208
List Number: 2
Creator: Vasquez, Julisa

List Source: Eurofins Midland
List Creation: 10/05/24 02:40 PM

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	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
4115 South County Road 1297
Odessa, Texas 79765

Generated 10/9/2024 8:40:02 AM

JOB DESCRIPTION

Chicken Noodle Federal Com CTB
Eddy County NM

JOB NUMBER

890-7214-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220



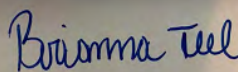
Eurofins Carlsbad

Job Notes

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

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
10/9/2024 8:40:02 AM

Authorized for release by
Brianna Teel, Project Manager
Brianna.Teel@et.eurofinsus.com
(432)704-5440

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Laboratory Job ID: 890-7214-1
SDG: Eddy County NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7214-1
SDG: Eddy County NM

Qualifiers

GC VOA

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

GC Semi VOA

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
SQL	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: Earth Systems Response and Restoration
Project: Chicken Noodle Federal Com CTB

Job ID: 890-7214-1

Job ID: 890-7214-1

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Job Narrative 890-7214-1

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

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

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

Receipt

The samples were received on 10/4/2024 12:42 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 -0.2°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-72 (890-7214-1), CS-73 (890-7214-2), CS-74 (890-7214-3), CS-75 (890-7214-4) and CS-76 (890-7214-5).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-92651 recovered under the lower control limit for Toluene and Ethylbenzene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

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

Diesel Range Organics

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-92730 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-92730/21).

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

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7214-1
SDG: Eddy County NM

Client Sample ID: CS-72

Lab Sample ID: 890-7214-1

Date Collected: 10/04/24 09:10

Matrix: Solid

Date Received: 10/04/24 12:42

Sample Depth: 2'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:30	10/08/24 23:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:30	10/08/24 23:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:30	10/08/24 23:42	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/07/24 10:30	10/08/24 23:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:30	10/08/24 23:42	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/07/24 10:30	10/08/24 23:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	10/07/24 10:30	10/08/24 23:42	1
1,4-Difluorobenzene (Surr)	101		70 - 130	10/07/24 10:30	10/08/24 23:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/08/24 23:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/07/24 21:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/04/24 15:29	10/07/24 21:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/04/24 15:29	10/07/24 21:44	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/04/24 15:29	10/07/24 21:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	10/04/24 15:29	10/07/24 21:44	1
o-Terphenyl	103		70 - 130	10/04/24 15:29	10/07/24 21:44	1

Client Sample ID: CS-73

Lab Sample ID: 890-7214-2

Date Collected: 10/04/24 09:05

Matrix: Solid

Date Received: 10/04/24 12:42

Sample Depth: 2'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:30	10/09/24 00:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:30	10/09/24 00:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:30	10/09/24 00:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/07/24 10:30	10/09/24 00:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/07/24 10:30	10/09/24 00:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/07/24 10:30	10/09/24 00:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	10/07/24 10:30	10/09/24 00:02	1
1,4-Difluorobenzene (Surr)	102		70 - 130	10/07/24 10:30	10/09/24 00:02	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7214-1
SDG: Eddy County NM

Client Sample ID: CS-73

Lab Sample ID: 890-7214-2

Date Collected: 10/04/24 09:05

Matrix: Solid

Date Received: 10/04/24 12:42

Sample Depth: 2'

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/09/24 00:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	108		49.7		mg/Kg			10/07/24 21:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/04/24 15:29	10/07/24 21:59	1
Diesel Range Organics (Over C10-C28)	108		49.7		mg/Kg		10/04/24 15:29	10/07/24 21:59	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/04/24 15:29	10/07/24 21:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				10/04/24 15:29	10/07/24 21:59	1
o-Terphenyl	102		70 - 130				10/04/24 15:29	10/07/24 21:59	1

Client Sample ID: CS-74

Lab Sample ID: 890-7214-3

Date Collected: 10/04/24 09:00

Matrix: Solid

Date Received: 10/04/24 12:42

Sample Depth: 2'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:30	10/09/24 00:23	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:30	10/09/24 00:23	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:30	10/09/24 00:23	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/07/24 10:30	10/09/24 00:23	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/07/24 10:30	10/09/24 00:23	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/07/24 10:30	10/09/24 00:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				10/07/24 10:30	10/09/24 00:23	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/07/24 10:30	10/09/24 00:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/09/24 00:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/07/24 22:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/04/24 15:29	10/07/24 22:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/04/24 15:29	10/07/24 22:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/04/24 15:29	10/07/24 22:16	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7214-1
SDG: Eddy County NM

Client Sample ID: CS-74

Lab Sample ID: 890-7214-3

Date Collected: 10/04/24 09:00

Matrix: Solid

Date Received: 10/04/24 12:42

Sample Depth: 2'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	10/04/24 15:29	10/07/24 22:16	1
o-Terphenyl	109		70 - 130	10/04/24 15:29	10/07/24 22:16	1

Client Sample ID: CS-75

Lab Sample ID: 890-7214-4

Date Collected: 10/04/24 10:50

Matrix: Solid

Date Received: 10/04/24 12:42

Sample Depth: 2'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:30	10/09/24 00:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:30	10/09/24 00:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:30	10/09/24 00:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/07/24 10:30	10/09/24 00:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:30	10/09/24 00:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/07/24 10:30	10/09/24 00:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				10/07/24 10:30	10/09/24 00:43	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/07/24 10:30	10/09/24 00:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/09/24 00:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/07/24 22:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/04/24 15:29	10/07/24 22:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/04/24 15:29	10/07/24 22:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/04/24 15:29	10/07/24 22:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				10/04/24 15:29	10/07/24 22:31	1
o-Terphenyl	106		70 - 130				10/04/24 15:29	10/07/24 22:31	1

Client Sample ID: CS-76

Lab Sample ID: 890-7214-5

Date Collected: 10/04/24 10:45

Matrix: Solid

Date Received: 10/04/24 12:42

Sample Depth: 2'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/07/24 10:30	10/09/24 01:04	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/07/24 10:30	10/09/24 01:04	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/07/24 10:30	10/09/24 01:04	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/07/24 10:30	10/09/24 01:04	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7214-1
SDG: Eddy County NM

Client Sample ID: CS-76

Lab Sample ID: 890-7214-5

Date Collected: 10/04/24 10:45

Matrix: Solid

Date Received: 10/04/24 12:42

Sample Depth: 2'

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/07/24 10:30	10/09/24 01:04	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/07/24 10:30	10/09/24 01:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				10/07/24 10:30	10/09/24 01:04	1
1,4-Difluorobenzene (Surr)	103		70 - 130				10/07/24 10:30	10/09/24 01:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/09/24 01:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/07/24 22:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/04/24 15:29	10/07/24 22:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/04/24 15:29	10/07/24 22:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/04/24 15:29	10/07/24 22:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				10/04/24 15:29	10/07/24 22:46	1
o-Terphenyl	104		70 - 130				10/04/24 15:29	10/07/24 22:46	1

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Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7214-1
SDG: Eddy County NM

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)
890-7214-1	CS-72	108	101
890-7214-2	CS-73	109	102
890-7214-3	CS-74	113	99
890-7214-4	CS-75	113	101
890-7214-5	CS-76	103	103
LCS 880-92680/1-A	Lab Control Sample	100	103
LCSD 880-92680/2-A	Lab Control Sample Dup	103	100
MB 880-92655/5-A	Method Blank	106	101
MB 880-92680/5-A	Method Blank	108	100
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)
890-7214-1	CS-72	110	103
890-7214-2	CS-73	108	102
890-7214-3	CS-74	117	109
890-7214-4	CS-75	113	106
890-7214-5	CS-76	111	104
LCS 880-92606/2-A	Lab Control Sample	112	115
LCSD 880-92606/3-A	Lab Control Sample Dup	112	115
MB 880-92606/1-A	Method Blank	102	94
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7214-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-92655/5-A

Matrix: Solid

Analysis Batch: 92651

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92655

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/07/24 08:23	10/08/24 11:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/07/24 08:23	10/08/24 11:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/07/24 08:23	10/08/24 11:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/07/24 08:23	10/08/24 11:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/07/24 08:23	10/08/24 11:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/07/24 08:23	10/08/24 11:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	10/07/24 08:23	10/08/24 11:20	1
1,4-Difluorobenzene (Surr)	101		70 - 130	10/07/24 08:23	10/08/24 11:20	1

Lab Sample ID: MB 880-92680/5-A

Matrix: Solid

Analysis Batch: 92651

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92680

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:30	10/08/24 23:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:30	10/08/24 23:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:30	10/08/24 23:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/07/24 10:30	10/08/24 23:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/07/24 10:30	10/08/24 23:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/07/24 10:30	10/08/24 23:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	10/07/24 10:30	10/08/24 23:00	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/07/24 10:30	10/08/24 23:00	1

Lab Sample ID: LCS 880-92680/1-A

Matrix: Solid

Analysis Batch: 92651

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92680

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08721		mg/Kg		87	70 - 130
Toluene	0.100	0.08248		mg/Kg		82	70 - 130
Ethylbenzene	0.100	0.08202		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	0.200	0.1764		mg/Kg		88	70 - 130
o-Xylene	0.100	0.09027		mg/Kg		90	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-92680/2-A

Matrix: Solid

Analysis Batch: 92651

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92680

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08466		mg/Kg		85	70 - 130	3	35

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7214-1
SDG: Eddy County NM

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

Lab Sample ID: LCSD 880-92680/2-A

Matrix: Solid

Analysis Batch: 92651

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92680

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Toluene	0.100	0.08000		mg/Kg		80	70 - 130	3		35
Ethylbenzene	0.100	0.07952		mg/Kg		80	70 - 130	3		35
m-Xylene & p-Xylene	0.200	0.1702		mg/Kg		85	70 - 130	4		35
o-Xylene	0.100	0.08706		mg/Kg		87	70 - 130	4		35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

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

Lab Sample ID: MB 880-92606/1-A

Matrix: Solid

Analysis Batch: 92730

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92606

Analyte	MB		RL	MDL	Unit	D	Prepared	MB		Dil Fac
	Result	Qualifier						Prepared	Analyzed	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/04/24 15:29	10/07/24 10:53		1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/04/24 15:29	10/07/24 10:53		1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/04/24 15:29	10/07/24 10:53		1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	102		70 - 130	10/04/24 15:29	10/07/24 10:53	1
o-Terphenyl	94		70 - 130	10/04/24 15:29	10/07/24 10:53	1

Lab Sample ID: LCS 880-92606/2-A

Matrix: Solid

Analysis Batch: 92730

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92606

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	1064		mg/Kg		106	70 - 130			
Diesel Range Organics (Over C10-C28)	1000	984.0		mg/Kg		98	70 - 130			

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	112		70 - 130
o-Terphenyl	115		70 - 130

Lab Sample ID: LCSD 880-92606/3-A

Matrix: Solid

Analysis Batch: 92730

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92606

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	1033		mg/Kg		103	70 - 130	3		20
Diesel Range Organics (Over C10-C28)	1000	985.7		mg/Kg		99	70 - 130	0		20

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7214-1
SDG: Eddy County NM

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

Lab Sample ID: LCSD 880-92606/3-A
Matrix: Solid
Analysis Batch: 92730

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 92606

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	112		70 - 130
o-Terphenyl	115		70 - 130

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7214-1
SDG: Eddy County NM

GC VOA

Analysis Batch: 92651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7214-1	CS-72	Total/NA	Solid	8021B	92680
890-7214-2	CS-73	Total/NA	Solid	8021B	92680
890-7214-3	CS-74	Total/NA	Solid	8021B	92680
890-7214-4	CS-75	Total/NA	Solid	8021B	92680
890-7214-5	CS-76	Total/NA	Solid	8021B	92680
MB 880-92655/5-A	Method Blank	Total/NA	Solid	8021B	92655
MB 880-92680/5-A	Method Blank	Total/NA	Solid	8021B	92680
LCS 880-92680/1-A	Lab Control Sample	Total/NA	Solid	8021B	92680
LCSD 880-92680/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	92680

Prep Batch: 92655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-92655/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 92680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7214-1	CS-72	Total/NA	Solid	5035	
890-7214-2	CS-73	Total/NA	Solid	5035	
890-7214-3	CS-74	Total/NA	Solid	5035	
890-7214-4	CS-75	Total/NA	Solid	5035	
890-7214-5	CS-76	Total/NA	Solid	5035	
MB 880-92680/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-92680/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-92680/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 92840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7214-1	CS-72	Total/NA	Solid	Total BTEX	
890-7214-2	CS-73	Total/NA	Solid	Total BTEX	
890-7214-3	CS-74	Total/NA	Solid	Total BTEX	
890-7214-4	CS-75	Total/NA	Solid	Total BTEX	
890-7214-5	CS-76	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 92606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7214-1	CS-72	Total/NA	Solid	8015NM Prep	
890-7214-2	CS-73	Total/NA	Solid	8015NM Prep	
890-7214-3	CS-74	Total/NA	Solid	8015NM Prep	
890-7214-4	CS-75	Total/NA	Solid	8015NM Prep	
890-7214-5	CS-76	Total/NA	Solid	8015NM Prep	
MB 880-92606/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92606/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92606/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 92730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7214-1	CS-72	Total/NA	Solid	8015B NM	92606
890-7214-2	CS-73	Total/NA	Solid	8015B NM	92606
890-7214-3	CS-74	Total/NA	Solid	8015B NM	92606

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7214-1
SDG: Eddy County NM

GC Semi VOA (Continued)

Analysis Batch: 92730 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7214-4	CS-75	Total/NA	Solid	8015B NM	92606
890-7214-5	CS-76	Total/NA	Solid	8015B NM	92606
MB 880-92606/1-A	Method Blank	Total/NA	Solid	8015B NM	92606
LCS 880-92606/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92606
LCSD 880-92606/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92606

Analysis Batch: 92795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7214-1	CS-72	Total/NA	Solid	8015 NM	
890-7214-2	CS-73	Total/NA	Solid	8015 NM	
890-7214-3	CS-74	Total/NA	Solid	8015 NM	
890-7214-4	CS-75	Total/NA	Solid	8015 NM	
890-7214-5	CS-76	Total/NA	Solid	8015 NM	

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7214-1
SDG: Eddy County NM

Client Sample ID: CS-72

Lab Sample ID: 890-7214-1

Date Collected: 10/04/24 09:10

Matrix: Solid

Date Received: 10/04/24 12:42

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	92680	10/07/24 10:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92651	10/08/24 23:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92840	10/08/24 23:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			92795	10/07/24 21:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92606	10/04/24 15:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/07/24 21:44	TKC	EET MID

Client Sample ID: CS-73

Lab Sample ID: 890-7214-2

Date Collected: 10/04/24 09:05

Matrix: Solid

Date Received: 10/04/24 12:42

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	92680	10/07/24 10:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92651	10/09/24 00:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92840	10/09/24 00:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			92795	10/07/24 21:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92606	10/04/24 15:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/07/24 21:59	TKC	EET MID

Client Sample ID: CS-74

Lab Sample ID: 890-7214-3

Date Collected: 10/04/24 09:00

Matrix: Solid

Date Received: 10/04/24 12:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	92680	10/07/24 10:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92651	10/09/24 00:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92840	10/09/24 00:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			92795	10/07/24 22:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92606	10/04/24 15:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/07/24 22:16	TKC	EET MID

Client Sample ID: CS-75

Lab Sample ID: 890-7214-4

Date Collected: 10/04/24 10:50

Matrix: Solid

Date Received: 10/04/24 12:42

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	92680	10/07/24 10:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92651	10/09/24 00:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92840	10/09/24 00:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			92795	10/07/24 22:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	92606	10/04/24 15:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/07/24 22:31	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7214-1
SDG: Eddy County NM

Client Sample ID: CS-76
Date Collected: 10/04/24 10:45
Date Received: 10/04/24 12:42

Lab Sample ID: 890-7214-5
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			4.95 g	5 mL	92680	10/07/24 10:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92651	10/09/24 01:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92840	10/09/24 01:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			92795	10/07/24 22:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92606	10/04/24 15:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92730	10/07/24 22:46	TKC	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7214-1
SDG: Eddy County NM

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	06-30-25
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: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7214-1
SDG: Eddy County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID

Protocol References:

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:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7214-1
SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7214-1	CS-72	Solid	10/04/24 09:10	10/04/24 12:42	2'
890-7214-2	CS-73	Solid	10/04/24 09:05	10/04/24 12:42	2'
890-7214-3	CS-74	Solid	10/04/24 09:00	10/04/24 12:42	2'
890-7214-4	CS-75	Solid	10/04/24 10:50	10/04/24 12:42	2'
890-7214-5	CS-76	Solid	10/04/24 10:45	10/04/24 12:42	2'

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Environment Testing
Xenco



890-7214 Chain of Custody

www.xenco.com Page 1 of 1

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net

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

ANALYSIS REQUEST										Preservative Codes	
Project Name:	Project Number:	Project Location:	Sampler's Name:	PO #:	Turn Around	Pres. Code	Parameters	Hold	Sample Comments	Incident Number	
Chicken Noodle Federal Com CTB	2402	Eddy County, NM	Mariah Davis		☒ Routine ☐ Rush Due Date: 5 Day TAT TAT starts the day received by the lab, if received by 4:30pm						
SAMPLE RECEIPT Samples Received Intact: ☒ Yes ☐ No Cooler Custody Seals: Yes ☐ No ☒ N/A Sample Custody Seals: Yes ☐ No ☒ N/A Total Containers:					Temp Blank: ☒ Yes ☐ No Thermometer ID: TW-1007 Correction Factor: 0.2 Temperature Reading: 0.0 Corrected Temperature: -0.2		Wet Ice: ☒ Yes ☐ No None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC				
CS-72	S	10/4	9:10	2'	Comp 1	X	TPH	X			
CS-73	S	10/4	9:05	2'	Comp 1						
CS-74	S	10/4	9:00	2'	Comp 1						
CS-75	S	10/4	10:30	2'	Comp 1						
CS-76	S	10/4	10:45	2'	Comp 1						

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 SiO ₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed			

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins 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 Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins 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
		12:42 10-4			2
					4
					6

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-7214-1
SDG Number: Eddy County NM
List Source: Eurofins Carlsbad

Login Number: 7214
List Number: 1
Creator: Lopez, Abraham

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.	N/A	Refer to Job Narrative for details.
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: Earth Systems Response and Restoration

Job Number: 890-7214-1

SDG Number: Eddy County NM

Login Number: 7214

List Number: 2

Creator: Vasquez, Julisa

List Source: Eurofins Midland

List Creation: 10/05/24 02:40 PM

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	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
4115 South County Road 1297
Odessa, Texas 79765

Generated 10/14/2024 2:31:01 PM

JOB DESCRIPTION

Chicken Noddle Federal Com CTB
Eddy County, NM

JOB NUMBER

890-7219-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220



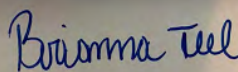
Eurofins Carlsbad

Job Notes

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

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
10/14/2024 2:31:01 PM

Authorized for release by
Brianna Teel, Project Manager
Brianna.Teel@et.eurofinsus.com
(432)704-5440

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noddle Federal Com CTB

Laboratory Job ID: 890-7219-1
SDG: Eddy County, NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noddle Federal Com CTB

Job ID: 890-7219-1
SDG: Eddy County, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high 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: Earth Systems Response and Restoration
Project: Chicken Noddle Federal Com CTB

Job ID: 890-7219-1

Job ID: 890-7219-1

Eurofins Carlsbad

Job Narrative 890-7219-1

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

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

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

Receipt

The sample was received on 10/10/2024 8:05 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.5°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: CS-73 (890-7219-1).

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-92955 and analytical batch 880-93132 was outside the upper control limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-92955/2-A) and (LCSD 880-92955/3-A). Percent recoveries are based on the amount spiked.

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.

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noddle Federal Com CTB

Job ID: 890-7219-1
SDG: Eddy County, NM

Client Sample ID: CS-73

Lab Sample ID: 890-7219-1

Date Collected: 10/09/24 12:30

Matrix: Solid

Date Received: 10/10/24 08:05

Sample Depth: 2.25

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/11/24 12:30	10/12/24 02:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 12:30	10/12/24 02:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 12:30	10/12/24 02:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 12:30	10/12/24 02:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 12:30	10/12/24 02:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 12:30	10/12/24 02:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	10/11/24 12:30	10/12/24 02:43	1
1,4-Difluorobenzene (Surr)	103		70 - 130	10/11/24 12:30	10/12/24 02:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/12/24 02:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/12/24 02:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/10/24 10:18	10/12/24 02:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/24 10:18	10/12/24 02:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/24 10:18	10/12/24 02:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	10/10/24 10:18	10/12/24 02:43	1
o-Terphenyl	110		70 - 130	10/10/24 10:18	10/12/24 02:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		5.01		mg/Kg			10/11/24 15:07	1

Eurofins Carlsbad

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noddle Federal Com CTB

Job ID: 890-7219-1
SDG: Eddy County, NM

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)
890-7219-1	CS-73	110	103
LCS 880-93070/1-A	Lab Control Sample	109	101
LCSD 880-93070/2-A	Lab Control Sample Dup	101	101
MB 880-93038/5-A	Method Blank	108	103
MB 880-93070/5-A	Method Blank	107	96
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)
890-7219-1	CS-73	119	110
LCS 880-92955/2-A	Lab Control Sample	131 S1+	135 S1+
LCSD 880-92955/3-A	Lab Control Sample Dup	134 S1+	139 S1+
MB 880-92955/1-A	Method Blank	131 S1+	125
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noddle Federal Com CTB

Job ID: 890-7219-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-93038/5-A

Matrix: Solid

Analysis Batch: 93017

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93038

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:34	10/11/24 11:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:34	10/11/24 11:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:34	10/11/24 11:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/11/24 09:34	10/11/24 11:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:34	10/11/24 11:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/11/24 09:34	10/11/24 11:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	10/11/24 09:34	10/11/24 11:06	1
1,4-Difluorobenzene (Surr)	103		70 - 130	10/11/24 09:34	10/11/24 11:06	1

Lab Sample ID: MB 880-93070/5-A

Matrix: Solid

Analysis Batch: 93017

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93070

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/24 12:30	10/11/24 21:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/24 12:30	10/11/24 21:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/24 12:30	10/11/24 21:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/11/24 12:30	10/11/24 21:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/24 12:30	10/11/24 21:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/11/24 12:30	10/11/24 21:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	10/11/24 12:30	10/11/24 21:53	1
1,4-Difluorobenzene (Surr)	96		70 - 130	10/11/24 12:30	10/11/24 21:53	1

Lab Sample ID: LCS 880-93070/1-A

Matrix: Solid

Analysis Batch: 93017

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93070

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09608		mg/Kg		96	70 - 130
Toluene	0.100	0.09024		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.09007		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	0.200	0.1936		mg/Kg		97	70 - 130
o-Xylene	0.100	0.09911		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-93070/2-A

Matrix: Solid

Analysis Batch: 93017

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93070

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09358		mg/Kg		94	70 - 130	3	35

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noddle Federal Com CTB

Job ID: 890-7219-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-93070/2-A

Matrix: Solid

Analysis Batch: 93017

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93070

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits			
Toluene	0.100	0.08858		mg/Kg		89	70 - 130		2	35
Ethylbenzene	0.100	0.08876		mg/Kg		89	70 - 130		1	35
m-Xylene & p-Xylene	0.200	0.1900		mg/Kg		95	70 - 130		2	35
o-Xylene	0.100	0.09929		mg/Kg		99	70 - 130		0	35

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

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

Lab Sample ID: MB 880-92955/1-A

Matrix: Solid

Analysis Batch: 93132

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92955

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/10/24 10:18	10/11/24 23:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/24 10:18	10/11/24 23:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/24 10:18	10/11/24 23:17	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	131	S1+	70 - 130	10/10/24 10:18	10/11/24 23:17	1
o-Terphenyl	125		70 - 130	10/10/24 10:18	10/11/24 23:17	1

Lab Sample ID: LCS 880-92955/2-A

Matrix: Solid

Analysis Batch: 93132

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92955

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits			
Gasoline Range Organics (GRO)-C6-C10	1000	1213		mg/Kg		121	70 - 130			
Diesel Range Organics (Over C10-C28)	1000	1154		mg/Kg		115	70 - 130			

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	131	S1+	70 - 130
o-Terphenyl	135	S1+	70 - 130

Lab Sample ID: LCSD 880-92955/3-A

Matrix: Solid

Analysis Batch: 93132

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92955

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits			
Gasoline Range Organics (GRO)-C6-C10	1000	1216		mg/Kg		122	70 - 130		0	20
Diesel Range Organics (Over C10-C28)	1000	1192		mg/Kg		119	70 - 130		3	20

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noddle Federal Com CTB

Job ID: 890-7219-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-92955/3-A
Matrix: Solid
Analysis Batch: 93132

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 92955

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	134	S1+	70 - 130
o-Terphenyl	139	S1+	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-93027/1-A
Matrix: Solid
Analysis Batch: 93062

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<5.00	U	5.00		mg/Kg			10/11/24 13:45	1

Lab Sample ID: LCS 880-93027/2-A
Matrix: Solid
Analysis Batch: 93062

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	245.7		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-93027/3-A
Matrix: Solid
Analysis Batch: 93062

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	246.0		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noddle Federal Com CTB

Job ID: 890-7219-1
SDG: Eddy County, NM

GC VOA

Analysis Batch: 93017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7219-1	CS-73	Total/NA	Solid	8021B	93070
MB 880-93038/5-A	Method Blank	Total/NA	Solid	8021B	93038
MB 880-93070/5-A	Method Blank	Total/NA	Solid	8021B	93070
LCS 880-93070/1-A	Lab Control Sample	Total/NA	Solid	8021B	93070
LCSD 880-93070/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	93070

Prep Batch: 93038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-93038/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 93070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7219-1	CS-73	Total/NA	Solid	5035	
MB 880-93070/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-93070/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-93070/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 93197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7219-1	CS-73	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 92955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7219-1	CS-73	Total/NA	Solid	8015NM Prep	
MB 880-92955/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92955/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92955/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 93132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7219-1	CS-73	Total/NA	Solid	8015B NM	92955
MB 880-92955/1-A	Method Blank	Total/NA	Solid	8015B NM	92955
LCS 880-92955/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92955
LCSD 880-92955/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92955

Analysis Batch: 93251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7219-1	CS-73	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 93027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7219-1	CS-73	Soluble	Solid	DI Leach	
MB 880-93027/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-93027/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-93027/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noddle Federal Com CTB

Job ID: 890-7219-1
SDG: Eddy County, NM

HPLC/IC

Analysis Batch: 93062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7219-1	CS-73	Soluble	Solid	300.0	93027
MB 880-93027/1-A	Method Blank	Soluble	Solid	300.0	93027
LCS 880-93027/2-A	Lab Control Sample	Soluble	Solid	300.0	93027
LCSD 880-93027/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	93027

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noddle Federal Com CTB

Job ID: 890-7219-1
SDG: Eddy County, NM

Client Sample ID: CS-73
Date Collected: 10/09/24 12:30
Date Received: 10/10/24 08:05

Lab Sample ID: 890-7219-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	93070	10/11/24 12:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93017	10/12/24 02:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93197	10/12/24 02:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			93251	10/12/24 02:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	92955	10/10/24 10:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/12/24 02:43	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	93027	10/11/24 09:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93062	10/11/24 15:07	CH	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noddle Federal Com CTB

Job ID: 890-7219-1
SDG: Eddy County, NM

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	06-30-25
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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noddle Federal Com CTB

Job ID: 890-7219-1
SDG: Eddy County, NM

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noddle Federal Com CTB

Job ID: 890-7219-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7219-1	CS-73	Solid	10/09/24 12:30	10/10/24 08:05	2.25

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14



Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No:

Page 1 of 1

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net

Work Order Comments			
Program:	UST/PST ☐	PRP ☐	Brownfields ☐ RRC ☐ Superfund ☐
State of Project:			
Reporting: Level II	☐	Level III	☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD	☐	ADAPT	☐ Other:

[illegible][illegible]

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	SiO ₂	Na	Sr	Ti	Sn	U	V	Zn
Circle Method(s) and Metal(s) to be analyzed			Hg: 1631 / 245.1 / 7470 / 7471																														

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco. Its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins 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 Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins 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
0 <i>Capra</i>	<i>Sum</i>	10/10 8 ⁰⁵	2		
3			4		
5			6		

Revised Date 06/25/2020 Rev 2020

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-7219-1
SDG Number: Eddy County, NM

Login Number: 7219

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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.	N/A	
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: Earth Systems Response and Restoration

Job Number: 890-7219-1
SDG Number: Eddy County, NM

Login Number: 7219
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 10/11/24 08:33 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	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
4115 South County Road 1297
Odessa, Texas 79765

Generated 11/19/2024 4:13:32 PM Revision 1

JOB DESCRIPTION

Chicken Noodle Federal Com CTB
Eddy County, NM

JOB NUMBER

890-7400-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220



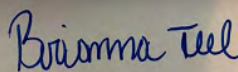
Eurofins Carlsbad

Job Notes

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

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Authorized for release by
Brianna Teel, Project Manager
Brianna.Teel@et.eurofinsus.com
(432)704-5440

Generated
11/19/2024 4:13:32 PM
Revision 1

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Laboratory Job ID: 890-7400-1
SDG: Eddy County, NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high 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: Earth Systems Response and Restoration
Project: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1

Job ID: 890-7400-1

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Job Narrative 890-7400-1

REVISION

The report being provided is a revision of the original report sent on 11/19/2024. The report (revision 1) is being revised due to Revised to add updated COC to report.

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

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

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

Receipt

The samples were received on 11/18/2024 3:28 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 3.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-79 (890-7400-1), CS-80 (890-7400-2), CS-81 (890-7400-3), CS-82 (890-7400-4), CS-83 (890-7400-5), CS-84 (890-7400-6), CS-85 (890-7400-7), CS-86 (890-7400-8), CS-87 (890-7400-9), CS-88 (890-7400-10) and SW-11 (890-7400-11).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-82 (890-7400-4), CS-83 (890-7400-5), CS-84 (890-7400-6), (CCV 880-96053/2), (LCS 880-96015/1-A), (LCSD 880-96015/2-A), (MB 880-96015/5-A), (880-51174-A-41-F), (880-51174-A-41-C MS) and (880-51174-A-41-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-96013 and analytical batch 880-96065 was outside the upper control limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-96022 and analytical batch 880-96067 was outside the upper control limits.

Method 8015MOD_NM: The method blank for preparation batch 880-96022 and analytical batch 880-96067 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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.

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

Client Sample ID: CS-79

Lab Sample ID: 890-7400-1

Date Collected: 11/18/24 12:05

Matrix: Solid

Date Received: 11/18/24 15:28

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/19/24 08:56	11/19/24 11:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/19/24 08:56	11/19/24 11:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/19/24 08:56	11/19/24 11:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/19/24 08:56	11/19/24 11:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/19/24 08:56	11/19/24 11:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/19/24 08:56	11/19/24 11:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	11/19/24 08:56	11/19/24 11:48	1
1,4-Difluorobenzene (Surr)	94		70 - 130	11/19/24 08:56	11/19/24 11:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/19/24 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/19/24 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/18/24 15:17	11/19/24 10:35	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/18/24 15:17	11/19/24 10:35	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/18/24 15:17	11/19/24 10:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	11/18/24 15:17	11/19/24 10:35	1
o-Terphenyl	80		70 - 130	11/18/24 15:17	11/19/24 10:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	422		9.92		mg/Kg			11/19/24 09:29	1

Client Sample ID: CS-80

Lab Sample ID: 890-7400-2

Date Collected: 11/18/24 12:10

Matrix: Solid

Date Received: 11/18/24 15:28

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/19/24 08:56	11/19/24 12:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/19/24 08:56	11/19/24 12:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/19/24 08:56	11/19/24 12:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/19/24 08:56	11/19/24 12:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/19/24 08:56	11/19/24 12:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/19/24 08:56	11/19/24 12:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	11/19/24 08:56	11/19/24 12:08	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

Client Sample ID: CS-80

Lab Sample ID: 890-7400-2

Date Collected: 11/18/24 12:10

Matrix: Solid

Date Received: 11/18/24 15:28

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	93		70 - 130	11/19/24 08:56	11/19/24 12:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/19/24 12:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/19/24 11:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/18/24 15:17	11/19/24 11:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/18/24 15:17	11/19/24 11:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/18/24 15:17	11/19/24 11:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				11/18/24 15:17	11/19/24 11:23	1
o-Terphenyl	86		70 - 130				11/18/24 15:17	11/19/24 11:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	407		10.0		mg/Kg			11/19/24 09:45	1

Client Sample ID: CS-81

Lab Sample ID: 890-7400-3

Date Collected: 11/18/24 12:15

Matrix: Solid

Date Received: 11/18/24 15:28

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/19/24 08:56	11/19/24 12:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/19/24 08:56	11/19/24 12:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/19/24 08:56	11/19/24 12:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/19/24 08:56	11/19/24 12:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/19/24 08:56	11/19/24 12:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/19/24 08:56	11/19/24 12:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	11/19/24 08:56	11/19/24 12:29	1
1,4-Difluorobenzene (Surr)	93		70 - 130	11/19/24 08:56	11/19/24 12:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/19/24 12:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/19/24 11:39	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

Client Sample ID: CS-81

Lab Sample ID: 890-7400-3

Date Collected: 11/18/24 12:15

Matrix: Solid

Date Received: 11/18/24 15:28

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/18/24 15:17	11/19/24 11:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/18/24 15:17	11/19/24 11:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/18/24 15:17	11/19/24 11:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				11/18/24 15:17	11/19/24 11:39	1
o-Terphenyl	94		70 - 130				11/18/24 15:17	11/19/24 11:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.0		9.92		mg/Kg			11/19/24 09:50	1

Client Sample ID: CS-82

Lab Sample ID: 890-7400-4

Date Collected: 11/18/24 12:20

Matrix: Solid

Date Received: 11/18/24 15:28

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/19/24 09:00	11/19/24 12:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/19/24 09:00	11/19/24 12:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/19/24 09:00	11/19/24 12:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/19/24 09:00	11/19/24 12:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/19/24 09:00	11/19/24 12:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/19/24 09:00	11/19/24 12:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	198	S1+	70 - 130				11/19/24 09:00	11/19/24 12:22	1
1,4-Difluorobenzene (Surr)	81		70 - 130				11/19/24 09:00	11/19/24 12:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/19/24 12:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/19/24 11:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				11/18/24 15:17	11/19/24 11:55	1
o-Terphenyl	80		70 - 130				11/18/24 15:17	11/19/24 11:55	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

Client Sample ID: CS-82

Date Collected: 11/18/24 12:20

Date Received: 11/18/24 15:28

Sample Depth: 1

Lab Sample ID: 890-7400-4

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.5		9.90		mg/Kg			11/19/24 09:56	1

Client Sample ID: CS-83

Date Collected: 11/18/24 12:25

Date Received: 11/18/24 15:28

Sample Depth: 1

Lab Sample ID: 890-7400-5

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/19/24 09:00	11/19/24 12:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/19/24 09:00	11/19/24 12:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/19/24 09:00	11/19/24 12:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/19/24 09:00	11/19/24 12:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/19/24 09:00	11/19/24 12:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/19/24 09:00	11/19/24 12:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	203	S1+	70 - 130				11/19/24 09:00	11/19/24 12:42	1
1,4-Difluorobenzene (Surr)	80		70 - 130				11/19/24 09:00	11/19/24 12:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/19/24 12:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/19/24 12:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/18/24 15:17	11/19/24 12:12	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/18/24 15:17	11/19/24 12:12	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/18/24 15:17	11/19/24 12:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				11/18/24 15:17	11/19/24 12:12	1
o-Terphenyl	78		70 - 130				11/18/24 15:17	11/19/24 12:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.0		9.92		mg/Kg			11/19/24 10:01	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

Client Sample ID: CS-84

Lab Sample ID: 890-7400-6

Date Collected: 11/18/24 12:30

Matrix: Solid

Date Received: 11/18/24 15:28

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/19/24 09:00	11/19/24 13:02	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/19/24 09:00	11/19/24 13:02	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/19/24 09:00	11/19/24 13:02	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/19/24 09:00	11/19/24 13:02	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/19/24 09:00	11/19/24 13:02	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/19/24 09:00	11/19/24 13:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	212	S1+	70 - 130	11/19/24 09:00	11/19/24 13:02	1
1,4-Difluorobenzene (Surr)	79		70 - 130	11/19/24 09:00	11/19/24 13:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/19/24 13:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/19/24 12:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/18/24 15:17	11/19/24 12:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/18/24 15:17	11/19/24 12:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/18/24 15:17	11/19/24 12:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	11/18/24 15:17	11/19/24 12:28	1
o-Terphenyl	77		70 - 130	11/18/24 15:17	11/19/24 12:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.3		9.90		mg/Kg			11/19/24 10:17	1

Client Sample ID: CS-85

Lab Sample ID: 890-7400-7

Date Collected: 11/18/24 12:35

Matrix: Solid

Date Received: 11/18/24 15:28

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/19/24 09:03	11/19/24 12:18	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/19/24 09:03	11/19/24 12:18	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/19/24 09:03	11/19/24 12:18	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/19/24 09:03	11/19/24 12:18	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/19/24 09:03	11/19/24 12:18	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/19/24 09:03	11/19/24 12:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	11/19/24 09:03	11/19/24 12:18	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

Client Sample ID: CS-85

Date Collected: 11/18/24 12:35

Date Received: 11/18/24 15:28

Sample Depth: 1

Lab Sample ID: 890-7400-7

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	100		70 - 130	11/19/24 09:03	11/19/24 12:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/19/24 12:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/19/24 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/18/24 17:02	11/19/24 10:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/18/24 17:02	11/19/24 10:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/18/24 17:02	11/19/24 10:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				11/18/24 17:02	11/19/24 10:35	1
o-Terphenyl	107		70 - 130				11/18/24 17:02	11/19/24 10:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.8		10.1		mg/Kg			11/19/24 10:22	1

Client Sample ID: CS-86

Date Collected: 11/18/24 12:40

Date Received: 11/18/24 15:28

Sample Depth: 1

Lab Sample ID: 890-7400-8

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/19/24 09:03	11/19/24 12:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/19/24 09:03	11/19/24 12:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/19/24 09:03	11/19/24 12:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/19/24 09:03	11/19/24 12:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/19/24 09:03	11/19/24 12:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/19/24 09:03	11/19/24 12:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	11/19/24 09:03	11/19/24 12:39	1
1,4-Difluorobenzene (Surr)	100		70 - 130	11/19/24 09:03	11/19/24 12:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/19/24 12:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/19/24 11:23	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

Client Sample ID: CS-86**Lab Sample ID: 890-7400-8****Date Collected: 11/18/24 12:40****Matrix: Solid****Date Received: 11/18/24 15:28****Sample Depth: 1****Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/18/24 17:02	11/19/24 11:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/18/24 17:02	11/19/24 11:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/18/24 17:02	11/19/24 11:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				11/18/24 17:02	11/19/24 11:23	1
o-Terphenyl	99		70 - 130				11/18/24 17:02	11/19/24 11:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.9		10.0		mg/Kg			11/19/24 10:27	1

Client Sample ID: CS-87**Lab Sample ID: 890-7400-9****Date Collected: 11/18/24 12:45****Matrix: Solid****Date Received: 11/18/24 15:28****Sample Depth: 1****Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:06	11/19/24 12:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:06	11/19/24 12:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:06	11/19/24 12:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/19/24 09:06	11/19/24 12:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:06	11/19/24 12:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/19/24 09:06	11/19/24 12:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				11/19/24 09:06	11/19/24 12:03	1
1,4-Difluorobenzene (Surr)	101		70 - 130				11/19/24 09:06	11/19/24 12:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/19/24 12:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/19/24 11:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/18/24 17:02	11/19/24 11:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/18/24 17:02	11/19/24 11:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/18/24 17:02	11/19/24 11:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				11/18/24 17:02	11/19/24 11:39	1
o-Terphenyl	100		70 - 130				11/18/24 17:02	11/19/24 11:39	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

Client Sample ID: CS-87

Lab Sample ID: 890-7400-9

Date Collected: 11/18/24 12:45

Matrix: Solid

Date Received: 11/18/24 15:28

Sample Depth: 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.5		10.0		mg/Kg			11/19/24 10:33	1

Client Sample ID: CS-88

Lab Sample ID: 890-7400-10

Date Collected: 11/18/24 12:50

Matrix: Solid

Date Received: 11/18/24 15:28

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/19/24 09:06	11/19/24 12:23	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/19/24 09:06	11/19/24 12:23	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/19/24 09:06	11/19/24 12:23	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/19/24 09:06	11/19/24 12:23	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/19/24 09:06	11/19/24 12:23	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/19/24 09:06	11/19/24 12:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				11/19/24 09:06	11/19/24 12:23	1
1,4-Difluorobenzene (Surr)	100		70 - 130				11/19/24 09:06	11/19/24 12:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/19/24 12:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/19/24 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/18/24 17:02	11/19/24 11:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/18/24 17:02	11/19/24 11:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/18/24 17:02	11/19/24 11:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				11/18/24 17:02	11/19/24 11:55	1
o-Terphenyl	99		70 - 130				11/18/24 17:02	11/19/24 11:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.6		10.1		mg/Kg			11/19/24 10:38	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

Client Sample ID: SW-11

Lab Sample ID: 890-7400-11

Date Collected: 11/18/24 12:55

Matrix: Solid

Date Received: 11/18/24 15:28

Sample Depth: 0-1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/19/24 09:06	11/19/24 12:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/19/24 09:06	11/19/24 12:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/19/24 09:06	11/19/24 12:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/19/24 09:06	11/19/24 12:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/19/24 09:06	11/19/24 12:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/19/24 09:06	11/19/24 12:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	11/19/24 09:06	11/19/24 12:44	1
1,4-Difluorobenzene (Surr)	103		70 - 130	11/19/24 09:06	11/19/24 12:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/19/24 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/19/24 12:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/18/24 17:02	11/19/24 12:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/18/24 17:02	11/19/24 12:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/18/24 17:02	11/19/24 12:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	11/18/24 17:02	11/19/24 12:12	1
o-Terphenyl	103		70 - 130	11/18/24 17:02	11/19/24 12:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.6		9.96		mg/Kg			11/19/24 10:59	1

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Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-7400-1	CS-79	116	94
890-7400-1 MS	CS-79	96	100
890-7400-1 MSD	CS-79	99	98
890-7400-2	CS-80	112	93
890-7400-3	CS-81	116	93
890-7400-4	CS-82	198 S1+	81
890-7400-5	CS-83	203 S1+	80
890-7400-6	CS-84	212 S1+	79
890-7400-7	CS-85	116	100
890-7400-8	CS-86	114	100
890-7400-9	CS-87	99	101
890-7400-9 MS	CS-87	101	102
890-7400-9 MSD	CS-87	102	101
890-7400-10	CS-88	98	100
890-7400-11	SW-11	96	103
LCS 880-96015/1-A	Lab Control Sample	168 S1+	82
LCS 880-96057/1-A	Lab Control Sample	102	95
LCS 880-96059/1-A	Lab Control Sample	108	98
LCS 880-96061/1-A	Lab Control Sample	101	103
LCSD 880-96015/2-A	Lab Control Sample Dup	173 S1+	83
LCSD 880-96057/2-A	Lab Control Sample Dup	105	101
LCSD 880-96059/2-A	Lab Control Sample Dup	109	98
LCSD 880-96061/2-A	Lab Control Sample Dup	103	100
MB 880-96015/5-A	Method Blank	184 S1+	79
MB 880-96057/5-A	Method Blank	111	90
MB 880-96059/5-A	Method Blank	112	96
MB 880-96061/5-A	Method Blank	95	95

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-7400-1	CS-79	101	80
890-7400-1 MS	CS-79	98	84
890-7400-1 MSD	CS-79	99	84
890-7400-2	CS-80	109	86
890-7400-3	CS-81	118	94
890-7400-4	CS-82	101	80
890-7400-5	CS-83	98	78
890-7400-6	CS-84	99	77
890-7400-7	CS-85	114	107
890-7400-7 MS	CS-85	109	109
890-7400-7 MSD	CS-85	108	108
890-7400-8	CS-86	109	99

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Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-7400-9	CS-87	110	100
890-7400-10	CS-88	109	99
890-7400-11	SW-11	112	103
LCS 880-96013/2-A	Lab Control Sample	93	85
LCS 880-96022/2-A	Lab Control Sample	104	107
LCSD 880-96013/3-A	Lab Control Sample Dup	93	84
LCSD 880-96022/3-A	Lab Control Sample Dup	103	104
MB 880-96013/1-A	Method Blank	166 S1+	132 S1+
MB 880-96022/1-A	Method Blank	225 S1+	211 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-96015/5-A

Matrix: Solid

Analysis Batch: 96053

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96015

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:21	11/19/24 11:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:21	11/19/24 11:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:21	11/19/24 11:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/18/24 15:21	11/19/24 11:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:21	11/19/24 11:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/18/24 15:21	11/19/24 11:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	184	S1+	70 - 130	11/18/24 15:21	11/19/24 11:39	1
1,4-Difluorobenzene (Surr)	79		70 - 130	11/18/24 15:21	11/19/24 11:39	1

Lab Sample ID: LCS 880-96015/1-A

Matrix: Solid

Analysis Batch: 96053

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96015

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1080		mg/Kg		108	70 - 130
Toluene	0.100	0.1069		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1055		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.2133		mg/Kg		107	70 - 130
o-Xylene	0.100	0.1083		mg/Kg		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	168	S1+	70 - 130
1,4-Difluorobenzene (Surr)	82		70 - 130

Lab Sample ID: LCSD 880-96015/2-A

Matrix: Solid

Analysis Batch: 96053

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96015

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1124		mg/Kg		112	70 - 130	4	35
Toluene	0.100	0.1105		mg/Kg		111	70 - 130	3	35
Ethylbenzene	0.100	0.1087		mg/Kg		109	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2207		mg/Kg		110	70 - 130	3	35
o-Xylene	0.100	0.1120		mg/Kg		112	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	173	S1+	70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

Lab Sample ID: MB 880-96057/5-A

Matrix: Solid

Analysis Batch: 96051

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96057

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/19/24 08:56	11/19/24 11:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/19/24 08:56	11/19/24 11:26	1

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-96057/5-A

Matrix: Solid

Analysis Batch: 96051

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96057

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/19/24 08:56	11/19/24 11:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/19/24 08:56	11/19/24 11:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/19/24 08:56	11/19/24 11:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/19/24 08:56	11/19/24 11:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	11/19/24 08:56	11/19/24 11:26	1
1,4-Difluorobenzene (Surr)	90		70 - 130	11/19/24 08:56	11/19/24 11:26	1

Lab Sample ID: LCS 880-96057/1-A

Matrix: Solid

Analysis Batch: 96051

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96057

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1185		mg/Kg		119	70 - 130
Toluene	0.100	0.1133		mg/Kg		113	70 - 130
Ethylbenzene	0.100	0.1111		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	0.200	0.2266		mg/Kg		113	70 - 130
o-Xylene	0.100	0.1217		mg/Kg		122	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-96057/2-A

Matrix: Solid

Analysis Batch: 96051

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96057

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1220		mg/Kg		122	70 - 130	3	35
Toluene	0.100	0.1141		mg/Kg		114	70 - 130	1	35
Ethylbenzene	0.100	0.1211		mg/Kg		121	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.2336		mg/Kg		117	70 - 130	3	35
o-Xylene	0.100	0.1201		mg/Kg		120	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-7400-1 MS

Matrix: Solid

Analysis Batch: 96051

Client Sample ID: CS-79

Prep Type: Total/NA

Prep Batch: 96057

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1108		mg/Kg		111	70 - 130
Toluene	<0.00200	U	0.100	0.1042		mg/Kg		104	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1056		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2104		mg/Kg		105	70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

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

Lab Sample ID: 890-7400-1 MS

Matrix: Solid

Analysis Batch: 96051

Client Sample ID: CS-79

Prep Type: Total/NA

Prep Batch: 96057

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	<0.00200	U	0.100	0.1080		mg/Kg		108	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	96		70 - 130						
1,4-Difluorobenzene (Surr)	100		70 - 130						

Lab Sample ID: 890-7400-1 MSD

Matrix: Solid

Analysis Batch: 96051

Client Sample ID: CS-79

Prep Type: Total/NA

Prep Batch: 96057

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	0.1051		mg/Kg		105	70 - 130	5	35
Toluene	<0.00200	U	0.100	0.09863		mg/Kg		99	70 - 130	6	35
Ethylbenzene	<0.00200	U	0.100	0.09972		mg/Kg		100	70 - 130	6	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1982		mg/Kg		99	70 - 130	6	35
o-Xylene	<0.00200	U	0.100	0.1017		mg/Kg		102	70 - 130	6	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	99		70 - 130								
1,4-Difluorobenzene (Surr)	98		70 - 130								

Lab Sample ID: MB 880-96059/5-A

Matrix: Solid

Analysis Batch: 96052

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96059

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:03	11/19/24 11:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:03	11/19/24 11:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:03	11/19/24 11:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/19/24 09:03	11/19/24 11:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:03	11/19/24 11:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/19/24 09:03	11/19/24 11:36	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
4-Bromofluorobenzene (Surr)	112		70 - 130						
1,4-Difluorobenzene (Surr)	96		70 - 130						

Lab Sample ID: LCS 880-96059/1-A

Matrix: Solid

Analysis Batch: 96052

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96059

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1176		mg/Kg		118	70 - 130
Toluene	0.100	0.1089		mg/Kg		109	70 - 130
Ethylbenzene	0.100	0.1093		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2231		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1085		mg/Kg		109	70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-96059/1-A

Matrix: Solid

Analysis Batch: 96052

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96059

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-96059/2-A

Matrix: Solid

Analysis Batch: 96052

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96059

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1176		mg/Kg		118	70 - 130	0	35
Toluene	0.100	0.1096		mg/Kg		110	70 - 130	1	35
Ethylbenzene	0.100	0.1099		mg/Kg		110	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2267		mg/Kg		113	70 - 130	2	35
o-Xylene	0.100	0.1104		mg/Kg		110	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-96061/5-A

Matrix: Solid

Analysis Batch: 96054

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96061

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:06	11/19/24 11:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:06	11/19/24 11:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:06	11/19/24 11:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/19/24 09:06	11/19/24 11:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:06	11/19/24 11:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/19/24 09:06	11/19/24 11:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	11/19/24 09:06	11/19/24 11:41	1
1,4-Difluorobenzene (Surr)	95		70 - 130	11/19/24 09:06	11/19/24 11:41	1

Lab Sample ID: LCS 880-96061/1-A

Matrix: Solid

Analysis Batch: 96054

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96061

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1082		mg/Kg		108	70 - 130
Toluene	0.100	0.1074		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1136		mg/Kg		114	70 - 130
m-Xylene & p-Xylene	0.200	0.2170		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1215		mg/Kg		121	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-96061/1-A

Matrix: Solid

Analysis Batch: 96054

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96061

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

Lab Sample ID: LCSD 880-96061/2-A

Matrix: Solid

Analysis Batch: 96054

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96061

			Spike	LCSD	LCSD				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene			0.100	0.1071		mg/Kg		107	70 - 130	1	35
Toluene			0.100	0.1050		mg/Kg		105	70 - 130	2	35
Ethylbenzene			0.100	0.1116		mg/Kg		112	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.2145		mg/Kg		107	70 - 130	1	35
o-Xylene			0.100	0.1201		mg/Kg		120	70 - 130	1	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-7400-9 MS

Matrix: Solid

Analysis Batch: 96054

Client Sample ID: CS-87

Prep Type: Total/NA

Prep Batch: 96061

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00200	U	0.100	0.1142		mg/Kg		114	70 - 130		
Toluene	<0.00200	U	0.100	0.1114		mg/Kg		111	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.1168		mg/Kg		117	70 - 130		
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2237		mg/Kg		112	70 - 130		
o-Xylene	<0.00200	U	0.100	0.1272		mg/Kg		127	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-7400-9 MSD

Matrix: Solid

Analysis Batch: 96054

Client Sample ID: CS-87

Prep Type: Total/NA

Prep Batch: 96061

	Sample	Sample	Spike	MSD	MSD				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.1098		mg/Kg		110	70 - 130	4	35
Toluene	<0.00200	U	0.100	0.1082		mg/Kg		108	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.100	0.1143		mg/Kg		114	70 - 130	2	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2208		mg/Kg		110	70 - 130	1	35
o-Xylene	<0.00200	U	0.100	0.1238		mg/Kg		124	70 - 130	3	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-96013/1-A

Matrix: Solid

Analysis Batch: 96065

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96013

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/18/24 15:17	11/19/24 07:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/18/24 15:17	11/19/24 07:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/18/24 15:17	11/19/24 07:11	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	166	S1+	70 - 130				11/18/24 15:17	11/19/24 07:11	1
o-Terphenyl	132	S1+	70 - 130				11/18/24 15:17	11/19/24 07:11	1

Lab Sample ID: LCS 880-96013/2-A

Matrix: Solid

Analysis Batch: 96065

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96013

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	987.4		mg/Kg		99	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	790.7		mg/Kg		79	70 - 130	
Surrogate	%Recovery	LCS Qualifier	Limits					
1-Chlorooctane	93		70 - 130					
o-Terphenyl	85		70 - 130					

Lab Sample ID: LCSD 880-96013/3-A

Matrix: Solid

Analysis Batch: 96065

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96013

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	988.8		mg/Kg		99	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	781.2		mg/Kg		78	70 - 130	1	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	93		70 - 130						
o-Terphenyl	84		70 - 130						

Lab Sample ID: 890-7400-1 MS

Matrix: Solid

Analysis Batch: 96065

Client Sample ID: CS-79

Prep Type: Total/NA

Prep Batch: 96013

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	998	951.8		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	<49.7	U	998	782.4		mg/Kg		78	70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

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

Lab Sample ID: 890-7400-1 MS

Matrix: Solid

Analysis Batch: 96065

Client Sample ID: CS-79

Prep Type: Total/NA

Prep Batch: 96013

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: 890-7400-1 MSD

Matrix: Solid

Analysis Batch: 96065

Client Sample ID: CS-79

Prep Type: Total/NA

Prep Batch: 96013

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	<49.7	U	998	950.2		mg/Kg		95	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.7	U	998	771.5		mg/Kg		77	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: MB 880-96022/1-A

Matrix: Solid

Analysis Batch: 96067

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96022

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/18/24 17:01	11/19/24 07:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/18/24 17:01	11/19/24 07:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/18/24 17:01	11/19/24 07:11	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	225	S1+	70 - 130	11/18/24 17:01	11/19/24 07:11	1			
o-Terphenyl	211	S1+	70 - 130	11/18/24 17:01	11/19/24 07:11	1			

Lab Sample ID: LCS 880-96022/2-A

Matrix: Solid

Analysis Batch: 96067

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96022

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1026		mg/Kg		103	70 - 130
Diesel Range Organics (Over C10-C28)	1000	948.2		mg/Kg		95	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	107		70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-96022/3-A

Matrix: Solid

Analysis Batch: 96067

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96022

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1025		mg/Kg		102	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	887.5		mg/Kg		89	70 - 130	7	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	103		70 - 130						
o-Terphenyl	104		70 - 130						

Lab Sample ID: 890-7400-7 MS

Matrix: Solid

Analysis Batch: 96067

Client Sample ID: CS-85

Prep Type: Total/NA

Prep Batch: 96022

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1000		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	998	921.1		mg/Kg		92	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	109		70 - 130								
o-Terphenyl	109		70 - 130								

Lab Sample ID: 890-7400-7 MSD

Matrix: Solid

Analysis Batch: 96067

Client Sample ID: CS-85

Prep Type: Total/NA

Prep Batch: 96022

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	<50.0	U	998	1003		mg/Kg		100	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	957.6		mg/Kg		96	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	108		70 - 130								
o-Terphenyl	108		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-96049/1-A

Matrix: Solid

Analysis Batch: 96050

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			11/19/24 09:13	1

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-96049/2-A

Matrix: Solid

Analysis Batch: 96050

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	262.7		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-96049/3-A

Matrix: Solid

Analysis Batch: 96050

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	262.6		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 890-7400-1 MS

Matrix: Solid

Analysis Batch: 96050

Client Sample ID: CS-79

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	422		248	682.5		mg/Kg		105	90 - 110

Lab Sample ID: 890-7400-1 MSD

Matrix: Solid

Analysis Batch: 96050

Client Sample ID: CS-79

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	422		248	683.7		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 890-7400-11 MS

Matrix: Solid

Analysis Batch: 96050

Client Sample ID: SW-11

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	35.6		249	305.5		mg/Kg		108	90 - 110

Lab Sample ID: 890-7400-11 MSD

Matrix: Solid

Analysis Batch: 96050

Client Sample ID: SW-11

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	35.6		249	305.4		mg/Kg		108	90 - 110	0	20

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 96015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7400-4	CS-82	Total/NA	Solid	5035	
890-7400-5	CS-83	Total/NA	Solid	5035	
890-7400-6	CS-84	Total/NA	Solid	5035	
MB 880-96015/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-96015/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-96015/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 96051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7400-1	CS-79	Total/NA	Solid	8021B	96057
890-7400-2	CS-80	Total/NA	Solid	8021B	96057
890-7400-3	CS-81	Total/NA	Solid	8021B	96057
MB 880-96057/5-A	Method Blank	Total/NA	Solid	8021B	96057
LCS 880-96057/1-A	Lab Control Sample	Total/NA	Solid	8021B	96057
LCSD 880-96057/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	96057
890-7400-1 MS	CS-79	Total/NA	Solid	8021B	96057
890-7400-1 MSD	CS-79	Total/NA	Solid	8021B	96057

Analysis Batch: 96052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7400-7	CS-85	Total/NA	Solid	8021B	96059
890-7400-8	CS-86	Total/NA	Solid	8021B	96059
MB 880-96059/5-A	Method Blank	Total/NA	Solid	8021B	96059
LCS 880-96059/1-A	Lab Control Sample	Total/NA	Solid	8021B	96059
LCSD 880-96059/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	96059

Analysis Batch: 96053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7400-4	CS-82	Total/NA	Solid	8021B	96015
890-7400-5	CS-83	Total/NA	Solid	8021B	96015
890-7400-6	CS-84	Total/NA	Solid	8021B	96015
MB 880-96015/5-A	Method Blank	Total/NA	Solid	8021B	96015
LCS 880-96015/1-A	Lab Control Sample	Total/NA	Solid	8021B	96015
LCSD 880-96015/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	96015

Analysis Batch: 96054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7400-9	CS-87	Total/NA	Solid	8021B	96061
890-7400-10	CS-88	Total/NA	Solid	8021B	96061
890-7400-11	SW-11	Total/NA	Solid	8021B	96061
MB 880-96061/5-A	Method Blank	Total/NA	Solid	8021B	96061
LCS 880-96061/1-A	Lab Control Sample	Total/NA	Solid	8021B	96061
LCSD 880-96061/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	96061
890-7400-9 MS	CS-87	Total/NA	Solid	8021B	96061
890-7400-9 MSD	CS-87	Total/NA	Solid	8021B	96061

Prep Batch: 96057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7400-1	CS-79	Total/NA	Solid	5035	
890-7400-2	CS-80	Total/NA	Solid	5035	
890-7400-3	CS-81	Total/NA	Solid	5035	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

GC VOA (Continued)

Prep Batch: 96057 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-96057/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-96057/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-96057/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7400-1 MS	CS-79	Total/NA	Solid	5035	
890-7400-1 MSD	CS-79	Total/NA	Solid	5035	

Prep Batch: 96059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7400-7	CS-85	Total/NA	Solid	5035	
890-7400-8	CS-86	Total/NA	Solid	5035	
MB 880-96059/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-96059/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-96059/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 96061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7400-9	CS-87	Total/NA	Solid	5035	
890-7400-10	CS-88	Total/NA	Solid	5035	
890-7400-11	SW-11	Total/NA	Solid	5035	
MB 880-96061/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-96061/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-96061/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7400-9 MS	CS-87	Total/NA	Solid	5035	
890-7400-9 MSD	CS-87	Total/NA	Solid	5035	

Analysis Batch: 96112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7400-1	CS-79	Total/NA	Solid	Total BTEX	
890-7400-2	CS-80	Total/NA	Solid	Total BTEX	
890-7400-3	CS-81	Total/NA	Solid	Total BTEX	
890-7400-4	CS-82	Total/NA	Solid	Total BTEX	
890-7400-5	CS-83	Total/NA	Solid	Total BTEX	
890-7400-6	CS-84	Total/NA	Solid	Total BTEX	
890-7400-7	CS-85	Total/NA	Solid	Total BTEX	
890-7400-8	CS-86	Total/NA	Solid	Total BTEX	
890-7400-9	CS-87	Total/NA	Solid	Total BTEX	
890-7400-10	CS-88	Total/NA	Solid	Total BTEX	
890-7400-11	SW-11	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 96013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7400-1	CS-79	Total/NA	Solid	8015NM Prep	
890-7400-2	CS-80	Total/NA	Solid	8015NM Prep	
890-7400-3	CS-81	Total/NA	Solid	8015NM Prep	
890-7400-4	CS-82	Total/NA	Solid	8015NM Prep	
890-7400-5	CS-83	Total/NA	Solid	8015NM Prep	
890-7400-6	CS-84	Total/NA	Solid	8015NM Prep	
MB 880-96013/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-96013/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Prep Batch: 96013 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-96013/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7400-1 MS	CS-79	Total/NA	Solid	8015NM Prep	
890-7400-1 MSD	CS-79	Total/NA	Solid	8015NM Prep	

Prep Batch: 96022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7400-7	CS-85	Total/NA	Solid	8015NM Prep	
890-7400-8	CS-86	Total/NA	Solid	8015NM Prep	
890-7400-9	CS-87	Total/NA	Solid	8015NM Prep	
890-7400-10	CS-88	Total/NA	Solid	8015NM Prep	
890-7400-11	SW-11	Total/NA	Solid	8015NM Prep	
MB 880-96022/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-96022/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-96022/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7400-7 MS	CS-85	Total/NA	Solid	8015NM Prep	
890-7400-7 MSD	CS-85	Total/NA	Solid	8015NM Prep	

Analysis Batch: 96065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7400-1	CS-79	Total/NA	Solid	8015B NM	96013
890-7400-2	CS-80	Total/NA	Solid	8015B NM	96013
890-7400-3	CS-81	Total/NA	Solid	8015B NM	96013
890-7400-4	CS-82	Total/NA	Solid	8015B NM	96013
890-7400-5	CS-83	Total/NA	Solid	8015B NM	96013
890-7400-6	CS-84	Total/NA	Solid	8015B NM	96013
MB 880-96013/1-A	Method Blank	Total/NA	Solid	8015B NM	96013
LCS 880-96013/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	96013
LCSD 880-96013/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	96013
890-7400-1 MS	CS-79	Total/NA	Solid	8015B NM	96013
890-7400-1 MSD	CS-79	Total/NA	Solid	8015B NM	96013

Analysis Batch: 96067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7400-7	CS-85	Total/NA	Solid	8015B NM	96022
890-7400-8	CS-86	Total/NA	Solid	8015B NM	96022
890-7400-9	CS-87	Total/NA	Solid	8015B NM	96022
890-7400-10	CS-88	Total/NA	Solid	8015B NM	96022
890-7400-11	SW-11	Total/NA	Solid	8015B NM	96022
MB 880-96022/1-A	Method Blank	Total/NA	Solid	8015B NM	96022
LCS 880-96022/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	96022
LCSD 880-96022/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	96022
890-7400-7 MS	CS-85	Total/NA	Solid	8015B NM	96022
890-7400-7 MSD	CS-85	Total/NA	Solid	8015B NM	96022

Analysis Batch: 96109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7400-1	CS-79	Total/NA	Solid	8015 NM	
890-7400-2	CS-80	Total/NA	Solid	8015 NM	
890-7400-3	CS-81	Total/NA	Solid	8015 NM	
890-7400-4	CS-82	Total/NA	Solid	8015 NM	
890-7400-5	CS-83	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 96109 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7400-6	CS-84	Total/NA	Solid	8015 NM	
890-7400-7	CS-85	Total/NA	Solid	8015 NM	
890-7400-8	CS-86	Total/NA	Solid	8015 NM	
890-7400-9	CS-87	Total/NA	Solid	8015 NM	
890-7400-10	CS-88	Total/NA	Solid	8015 NM	
890-7400-11	SW-11	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 96049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7400-1	CS-79	Soluble	Solid	DI Leach	
890-7400-2	CS-80	Soluble	Solid	DI Leach	
890-7400-3	CS-81	Soluble	Solid	DI Leach	
890-7400-4	CS-82	Soluble	Solid	DI Leach	
890-7400-5	CS-83	Soluble	Solid	DI Leach	
890-7400-6	CS-84	Soluble	Solid	DI Leach	
890-7400-7	CS-85	Soluble	Solid	DI Leach	
890-7400-8	CS-86	Soluble	Solid	DI Leach	
890-7400-9	CS-87	Soluble	Solid	DI Leach	
890-7400-10	CS-88	Soluble	Solid	DI Leach	
890-7400-11	SW-11	Soluble	Solid	DI Leach	
MB 880-96049/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-96049/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-96049/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7400-1 MS	CS-79	Soluble	Solid	DI Leach	
890-7400-1 MSD	CS-79	Soluble	Solid	DI Leach	
890-7400-11 MS	SW-11	Soluble	Solid	DI Leach	
890-7400-11 MSD	SW-11	Soluble	Solid	DI Leach	

Analysis Batch: 96050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7400-1	CS-79	Soluble	Solid	300.0	96049
890-7400-2	CS-80	Soluble	Solid	300.0	96049
890-7400-3	CS-81	Soluble	Solid	300.0	96049
890-7400-4	CS-82	Soluble	Solid	300.0	96049
890-7400-5	CS-83	Soluble	Solid	300.0	96049
890-7400-6	CS-84	Soluble	Solid	300.0	96049
890-7400-7	CS-85	Soluble	Solid	300.0	96049
890-7400-8	CS-86	Soluble	Solid	300.0	96049
890-7400-9	CS-87	Soluble	Solid	300.0	96049
890-7400-10	CS-88	Soluble	Solid	300.0	96049
890-7400-11	SW-11	Soluble	Solid	300.0	96049
MB 880-96049/1-A	Method Blank	Soluble	Solid	300.0	96049
LCS 880-96049/2-A	Lab Control Sample	Soluble	Solid	300.0	96049
LCSD 880-96049/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	96049
890-7400-1 MS	CS-79	Soluble	Solid	300.0	96049
890-7400-1 MSD	CS-79	Soluble	Solid	300.0	96049
890-7400-11 MS	SW-11	Soluble	Solid	300.0	96049
890-7400-11 MSD	SW-11	Soluble	Solid	300.0	96049

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

Client Sample ID: CS-79**Lab Sample ID: 890-7400-1****Date Collected: 11/18/24 12:05****Matrix: Solid****Date Received: 11/18/24 15:28**

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	96057	11/19/24 08:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96051	11/19/24 11:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96112	11/19/24 11:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			96109	11/19/24 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	96013	11/18/24 15:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96065	11/19/24 10:35	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	96049	11/19/24 07:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96050	11/19/24 09:29	CH	EET MID

Client Sample ID: CS-80**Lab Sample ID: 890-7400-2****Date Collected: 11/18/24 12:10****Matrix: Solid****Date Received: 11/18/24 15:28**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	96057	11/19/24 08:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96051	11/19/24 12:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96112	11/19/24 12:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			96109	11/19/24 11:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	96013	11/18/24 15:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96065	11/19/24 11:23	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	96049	11/19/24 07:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96050	11/19/24 09:45	CH	EET MID

Client Sample ID: CS-81**Lab Sample ID: 890-7400-3****Date Collected: 11/18/24 12:15****Matrix: Solid****Date Received: 11/18/24 15:28**

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	96057	11/19/24 08:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96051	11/19/24 12:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96112	11/19/24 12:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			96109	11/19/24 11:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	96013	11/18/24 15:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96065	11/19/24 11:39	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	96049	11/19/24 07:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96050	11/19/24 09:50	CH	EET MID

Client Sample ID: CS-82**Lab Sample ID: 890-7400-4****Date Collected: 11/18/24 12:20****Matrix: Solid****Date Received: 11/18/24 15:28**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	96015	11/19/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96053	11/19/24 12:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96112	11/19/24 12:22	SM	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

Client Sample ID: CS-82
Date Collected: 11/18/24 12:20
Date Received: 11/18/24 15:28

Lab Sample ID: 890-7400-4
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			96109	11/19/24 11:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	96013	11/18/24 15:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96065	11/19/24 11:55	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	96049	11/19/24 07:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96050	11/19/24 09:56	CH	EET MID

Client Sample ID: CS-83
Date Collected: 11/18/24 12:25
Date Received: 11/18/24 15:28

Lab Sample ID: 890-7400-5
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			5.02 g	5 mL	96015	11/19/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96053	11/19/24 12:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96112	11/19/24 12:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			96109	11/19/24 12:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	96013	11/18/24 15:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96065	11/19/24 12:12	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	96049	11/19/24 07:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96050	11/19/24 10:01	CH	EET MID

Client Sample ID: CS-84
Date Collected: 11/18/24 12:30
Date Received: 11/18/24 15:28

Lab Sample ID: 890-7400-6
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			5.05 g	5 mL	96015	11/19/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96053	11/19/24 13:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96112	11/19/24 13:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			96109	11/19/24 12:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96013	11/18/24 15:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96065	11/19/24 12:28	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	96049	11/19/24 07:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96050	11/19/24 10:17	CH	EET MID

Client Sample ID: CS-85
Date Collected: 11/18/24 12:35
Date Received: 11/18/24 15:28

Lab Sample ID: 890-7400-7
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			4.97 g	5 mL	96059	11/19/24 09:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96052	11/19/24 12:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96112	11/19/24 12:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			96109	11/19/24 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96022	11/18/24 17:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96067	11/19/24 10:35	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

Client Sample ID: CS-85

Date Collected: 11/18/24 12:35

Date Received: 11/18/24 15:28

Lab Sample ID: 890-7400-7

Matrix: Solid

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	96049	11/19/24 07:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96050	11/19/24 10:22	CH	EET MID

Client Sample ID: CS-86

Date Collected: 11/18/24 12:40

Date Received: 11/18/24 15:28

Lab Sample ID: 890-7400-8

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	96059	11/19/24 09:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96052	11/19/24 12:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96112	11/19/24 12:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			96109	11/19/24 11:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	96022	11/18/24 17:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96067	11/19/24 11:23	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	96049	11/19/24 07:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96050	11/19/24 10:27	CH	EET MID

Client Sample ID: CS-87

Date Collected: 11/18/24 12:45

Date Received: 11/18/24 15:28

Lab Sample ID: 890-7400-9

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	96061	11/19/24 09:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96054	11/19/24 12:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96112	11/19/24 12:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			96109	11/19/24 11:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	96022	11/18/24 17:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96067	11/19/24 11:39	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	96049	11/19/24 07:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96050	11/19/24 10:33	CH	EET MID

Client Sample ID: CS-88

Date Collected: 11/18/24 12:50

Date Received: 11/18/24 15:28

Lab Sample ID: 890-7400-10

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			4.97 g	5 mL	96061	11/19/24 09:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96054	11/19/24 12:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96112	11/19/24 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			96109	11/19/24 11:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	96022	11/18/24 17:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96067	11/19/24 11:55	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	96049	11/19/24 07:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96050	11/19/24 10:38	CH	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

Client Sample ID: SW-11
Date Collected: 11/18/24 12:55
Date Received: 11/18/24 15:28

Lab Sample ID: 890-7400-11
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			5.02 g	5 mL	96061	11/19/24 09:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96054	11/19/24 12:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96112	11/19/24 12:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			96109	11/19/24 12:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96022	11/18/24 17:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96067	11/19/24 12:12	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	96049	11/19/24 07:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96050	11/19/24 10:59	CH	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

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	06-30-25
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: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

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

Protocol References:
ASTM = ASTM International
EPA = US Environmental Protection Agency
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Chicken Noodle Federal Com CTB

Job ID: 890-7400-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7400-1	CS-79	Solid	11/18/24 12:05	11/18/24 15:28	1
890-7400-2	CS-80	Solid	11/18/24 12:10	11/18/24 15:28	1
890-7400-3	CS-81	Solid	11/18/24 12:15	11/18/24 15:28	1
890-7400-4	CS-82	Solid	11/18/24 12:20	11/18/24 15:28	1
890-7400-5	CS-83	Solid	11/18/24 12:25	11/18/24 15:28	1
890-7400-6	CS-84	Solid	11/18/24 12:30	11/18/24 15:28	1
890-7400-7	CS-85	Solid	11/18/24 12:35	11/18/24 15:28	1
890-7400-8	CS-86	Solid	11/18/24 12:40	11/18/24 15:28	1
890-7400-9	CS-87	Solid	11/18/24 12:45	11/18/24 15:28	1
890-7400-10	CS-88	Solid	11/18/24 12:50	11/18/24 15:28	1
890-7400-11	SW-11	Solid	11/18/24 12:55	11/18/24 15:28	0-1



Environment Testing
Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work O

WWW.X



890-7400 Chain of Custody

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmorreno@earthsys.net

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

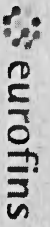
Project Name:	Chicken Noodle Federal Com CTB	Turn Around	Pres. Code	ANALYSIS REQUEST																Preservative Codes			
Project Number:	2402	☐ Routine ☒ Rush																		None: NO	DI Water: H ₂ O		
Project Location:	Eddy County, NM	Due Date:	24 HR TAT																	Cool: Cool	MeOH: Me		
Sampler's Name:	Gilbert Moreno	TAT starts the day received by the lab, if received by 4:30pm																		HCL: HC	HNO ₃ : HN		
PO #:		Temp Blank:	Yes No	Wet Ice:	Yes No																	H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	Samples Received Inact:	Yes No	Thermometer ID:	7NACO?	Yes No																	H ₃ PO ₄ : HP	
	Cooler Custody Seals:	Yes No	Correction Factor:	-0.2																		NaHSO ₄ : NABIS	
	Sample Custody Seals:	Yes No	Temperature Reading:	3.2																		Na ₂ S ₂ O ₃ : NaSO ₃	
Total Containers:		Corrected Temperature:	3.0																	Zn Acetate+NaOH: Zn			
																				NaOH+Ascorbic Acid: SAPC			

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	24 HR Rush																			Sample Comments	
CS-79	S	11.18.24	12:05	1	Comp	1	X	X	X	X																			Incident Number	nAPP2423129926
CS-80	S	11.18.24	12:10	1	Comp	1	X	X	X	X																				
CS-81	S	11.18.24	12:15	1	Comp	1	X	X	X	X																				
CS-82	S	11.18.24	12:20	1	Comp	1	X	X	X	X																				
CS-83	S	11.18.24	12:25	1	Comp	1	X	X	X	X																				
CS-84	S	11.18.24	12:30	1	Comp	1	X	X	X	X																				
CS-85	S	11.18.24	12:35	1	Comp	1	X	X	X	X																				
CS-86	S	11.18.24	12:40	1	Comp	1	X	X	X	X																				
CS-87	S	11.18.24	12:45	1	Comp	1	X	X	X	X																				

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 Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins 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 Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins 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
<i>[Signature]</i>	<i>[Signature]</i>	3:29 11-18			



Environment Testing
Xenco

Chain of Custody

Houston, TX (281) 240-1200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 784-1286
Ft. Worth, TX (817) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 2 of 2

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmorono@earthsys.net

Program: UST/PT ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	Deliverables: EDO ☐ ADAPT ☐ Other: _____

Project Name:	Chicken Noodle Federal Com CTB	Turn Around	☐ Routine ☒ Rush	Pres. Code	
Project Number:	2402	Due Date:	24 HR TAT		
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Gilbert Moreno				
PO #:					
SAMPLE RECEIPT					
Samples Received In tact:	Yes ☒ No ☐	Temp Blank:	Yes ☒ No ☐	Wet Loc:	Yes ☒ No ☐
Cooler Custody Seals:	Yes ☒ No ☐	Thermometer ID:	TPM 607		
Sample Custody Seals:	Yes ☒ No ☐	Correction Factor:	-0.2		
Total Containers:		Temperature Reading:	3.2		
		Corrected Temperature:	3.0		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp	# of Cont	ANALYSIS REQUEST											Sample Comments
							TPH -NM	Chloride-NM	BTEX-NM	24 HR Rush								
ALCST- CS-88	S	11.18.24	12:50	1	Comp	1	X	X	X	X								Incident Number NAPP2423129926
SW-11	S	11.18.24	12:55	0-1	Comp	1	X	X	X	X								
<i>[Signature]</i>																		

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 Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins 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 Eurofins Xenco. A minimum charge of \$45.00 will be applied to each project and a charge of \$4 for each sample submitted to Eurofins 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
<i>[Signature]</i>	<i>[Signature]</i>	3:29 11-18			

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-7400-1
SDG Number: Eddy County, NM

Login Number: 7400
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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	

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-7400-1
SDG Number: Eddy County, NM

Login Number: 7400
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 11/18/24 08:44 PM

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	

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 424323

QUESTIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 424323
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2423129926
Incident Name	NAPP2423129926 CHICKEN NOODLE FED COM CTB @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2321946745] CHICKEN NOODLE FED COM CTB

Location of Release Source	
Please answer all the questions in this group.	
Site Name	CHICKEN NOODLE FED COM CTB
Date Release Discovered	08/18/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Production Produced Water Released: 294 BBL Recovered: 170 BBL Lost: 124 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 424323

QUESTIONS (continued)

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 424323
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

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	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Luke Kelly Title: Manager, Environmental Regulatory Compliance Email: lkelly@civiresources.com Date: 01/23/2025
--	--

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 424323

QUESTIONS (continued)

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 424323
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Less than or equal 25 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 500 and 1000 (ft.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 100 (ft.)
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	10800
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	108
GRO+DRO (EPA SW-846 Method 8015M)	108
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	10/01/2024
On what date will (or did) the final sampling or liner inspection occur	11/18/2024
On what date will (or was) the remediation complete(d)	11/22/2024
What is the estimated surface area (in square feet) that will be reclaimed	17600
What is the estimated volume (in cubic yards) that will be reclaimed	1500
What is the estimated surface area (in square feet) that will be remediated	17600
What is the estimated volume (in cubic yards) that will be remediated	1500
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 424323

QUESTIONS (continued)

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 424323
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	R360 ARTESIA LLC LANDFARM [FEEM0112340644]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Luke Kelly Title: Manager, Environmental Regulatory Compliance Email: lkelly@civiresources.com Date: 01/23/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 424323

QUESTIONS (continued)

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 424323
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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Action 424323

QUESTIONS (continued)

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 424323
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	415925
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/18/2024
What was the (estimated) number of samples that were to be gathered	1
What was the sampling surface area in square feet	200

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	17600
What was the total volume (cubic yards) remediated	1500
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	The Site was remediated according to Site Closure Criteria and has been backfilled with clean, locally sourced material.
<i>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 (in .pdf format) 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.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Luke Kelly Title: Manager, Environmental Regulatory Compliance Email: lkelly@civiresources.com Date: 01/23/2025

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QUESTIONS, Page 7

Action 424323

QUESTIONS (continued)

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 424323
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 424323

CONDITIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 424323
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	2/21/2025