McNabb Partners, LLC
Hobbs ● Carlsbad ● Midland
575.397.0050
www.mcnabbpartnersllc.com

February 4, 2026

Environmental Compliance Office
New Mexico State Land Office
1300 W Broadway Avenue, Suite A
Bloomfield, NM 87413

RE: Reclamation and Remediation Closure Report
Casa State #001
API: 30-025-27944
Incident ID: nPRS0522035374
Coordinates: 32.8077087, -103.5592422
SLO Lease #/Lessee: E0-8712-0001; CQ Acquisition Partners I L.P. - Active

To Whom It May Concern:

McNabb Partners, LLC, on behalf of MorningStar Operating, LLC, has prepared the following *Reclamation and Remediation Closure Report* for Casa State #001 (Site). This *Reclamation and Remediation Closure Report* documents the Site history, reclamation activities completed to date, and proposes a vegetation monitoring plan.

Reclamation and remediation activities described in this report were completed in accordance with a reclamation plan approved by the State Land Office on September 3rd, 2025, and the NMOCD on October 21st, 2025. Remediation and reclamation activities began on November 14th, 2025. Final contouring and reseeding were completed on December 22nd, 2025.

BACKGROUND

The site is located in Unit H, Section 28, Township 17 South, Range 34 East, in Lea County, New Mexico (32.8077087, -103.5592422) and is associated with oil and gas exploration and production operations on New Mexico state land managed by the State Land Office (SLO) under API 30-025-27944.

On April 1st, 2005, an equipment failure at a water tank resulted in the release of 7 barrels (bbls) of produced water onto the pad. No released fluids were recovered. MorningStar reported the release to the New Mexico Oil Conservation Division (NMOCD) via submitting a Release Notification Form C-141 (Form C-141) on September 9, 2025. The release was assigned Incident Number nPRS0522035374.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

This Site was characterized to assess the applicability of Table I, Closure Criteria of Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NAMC). Results from the characterization are summarized below and detailed in the NMOCD

permitting portal C-141 Site Characterization section. Potential Site receptors are identified in Appendix E.

Depth to groundwater at the Site is reasonably estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is the United States Geological Survey (USGS) well 324835103333701, located approximately 0.18 miles northwest of the Site. On January 3rd, 1980, the well was gauged at a water level of 154 feet bgs. Additionally, USGS well 324825103332601 is located roughly 0.19 miles northwest of the Site. On March 3rd, 1976, the well was gauged at a water level of 148 feet bgs. associated well records are included in Appendix D.

The closest continuously flowing or significant watercourse to the Site is an optically shallow water (OSW) water body, located approximately 795 feet south of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is within 901 feet to a freshwater well and/or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified in Appendix E.

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-motor range organics (MRO): 100 mg/kg
- Chloride: 600 mg/kg

NMSLO CULTURAL RESOURCES AND BIOLOGICAL REVIEW

Cultural Properties Protection

Since the release occurred on the well pad, the Site is exempt from the Cultural Properties Protection Rule (CPP). As such, no additional cultural resource surveys were completed in connection with this release.

Biological Review

McNabb Partners personnel conducted a desktop review to establish if the Site is within an area of possible threatened, endangered, and sensitive wildlife and plant species, environmentally sensitive areas, surface waters, and sensitive soils.

- The Site is not located within the historical range of the Lesser Prairie Chicken (LPC) or within an NMSLO Candidate Conservation Agreement with Assurances (CCAA) area.
- A review of the U.S. Fish and Wildlife Services Information for Planning and Consultation (IPaC) resources indicated there are no potential critical habitats at the Site. The release

was on the pad surface, limiting any contact with potential habitats that may exist in the vicinity of the Site.

- No environmentally sensitive receptors were located near the Site, as determined by the Site Characterization.
- The Natural Resources Conservation Service (NRCS) Web Soil Survey classifies the majority soil type at the site as Kimbrough gravelly loam with Kimbrough-Lea complex and Stegall and Slaughter soils also being present. The release occurred on the caliche surface of the well pad limiting contact with potentially sensitive native soil.

RECLAMATION ACTIVITES AND LABORATORY ANALYTICAL RESULTS

From November 4th, 2025, through December 17th, 2025, McNabb Partners personnel arrived at the Site to perform excavation activities. Impacted soil was excavated from the release area as indicated by visible and/or historical staining, based on aerial review with Google Earth Imagery and field screening results. Excavation activities were performed using mechanical equipment. The excavation was completed to depths ranging from 0.5 feet bgs to 5 feet bgs. Photographic documentation of the excavation activities is included in Appendix B.

Following removal of the impacted soil, 5-point composite soil samples were collected at least every 200 square feet from the floor and sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite floor soil samples BS-01 through BS-86 were collected from the floor of the excavation from depths ranging from 0.5 feet bgs to 5 feet bgs. The sidewall soil samples were collected, handled, and analyzed following the same procedures as described above. Composite sidewall soil samples WS-01 through WS-18 were collected from the sidewall of the excavation from depths ranging from ground surface to 5 feet bgs, the excavation extent and excavation soil sample locations are presented on Plat 3.

The excavation area measured approximately 15,460 square feet. A total of approximately 3,105 cubic yards of impacted soil were removed during the excavation activities. The impacted soil was transported and properly disposed of at an approved disposal facility.

Laboratory analytical results for the final excavation floor samples BS-01 through BS-86, and final excavation sidewall samples WS-01 through WS-18 indicated that all COC concentrations were compliant with the Closure Criteria, and no further remediation was required. The laboratory analytical results are summarized on Table 1 and the complete laboratory analytical reports are included in Appendix G.

BACKFILLING

Subsequent to the results of the final confirmation soil sampling, the excavated area was backfilled with locally sourced caliche and topsoil material and then contoured to the original surrounding grade. Two composite soil samples were collected and laboratory tested for chloride, TPH and BTEX (TBG and CBG) from the backfill material prior to use at the Site. Both samples met the most stringent closure criteria. Laboratory reports with analytical methods and chain-of custody



forms are included in Appendix G. A top-soil berm was constructed and reseeded along the northern boundary of the reclaimed area that includes the two roads on either side of the location to prevent vehicular access to reclaimed areas. The lease roads between Casa State #001 and Casa State #002 running through the playa were carefully roughened to a depth of 2-4 inches to improve infiltration and seedbed conditions. The roads and former pad were seeded using a drill seeder with NMSLO-approved Coarse seed mixture. The berms were broadcast seeded with double the PLS/acre recommendation and were raked in to ensure soil penetration.

Species/Cultivar
Bluestem, Little “Cimarron” (Schizachyrium scoparium)
Bluestem, Sand “Chet” (Andropogon Hallii)
Bristlegrass Plains, (Setaria vulpiseta)
Clover, Purple prairie, “Kaneb” (Dalea purpurea)
Dropseed, Sand (Sporobolus cryptandrus)
Grama Blue, “Hachita” (Bouteloua gracilis)
Grama, Sideoats “El Reno” (Bouteloua curtipendula)
Saltbush Fourwing (Atriplex canescens)

EROSION CONTROL AND VEGETATION MONITORING

Eroded areas were filled with native topsoil and regraded to match surrounding contours, promoting drainage toward the natural playa to the southeast. Disturbed areas, including the backfilled zones, were roughened perpendicular to water flow to slow runoff. A shallow swale and rock check structure was constructed using 120.53 tons of 2” rock to reduce water velocity and prevent future erosion shown in Plat 5.

The Site will be monitored for vegetation growth to ensure that reclamation activities were successful. Focus for this phase will be to prevent erosion and Site degradation, and to monitor for and treat invasive and noxious weed species.

- Biannual inspections will take place at the location to monitor revegetation progress.
- If necessary, an additional application of the SLO seed mix will be applied.
- Noxious and invasive weeds will be identified and treated by licensed contracted herbicide applicator or mechanically removed.

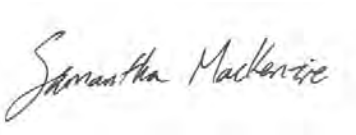
A Revegetation Report will be submitted to the NMOCD and BLM once vegetation growth in the reclaimed pasture area has uniform vegetative cover that reflects a life-form ratio of plus or minus 50 percent (%) of pre-disturbance levels and a total percent plant cover of at least 70% of pre-disturbance levels, excluding noxious weeds, per NMAC 19.15.29.13 D.(3)

RECALATION APPROVAL REQUEST

Based on the reclamation activities completed to date and proposed vegetation monitoring plan described above, MorningStar respectfully requests approval of this *Reclamation and Revegetation Closure Request* and a status update to *Reclamation Report Approved, Pending submission of Re-Vegetation Report* for Incident Number nPRS0522035374.

If you have any questions or comments, please contact Ms. Samantha MacKenzie at (703) 357-3545 or samantha@mcnabbpartners.com.

Sincerely,
McNabb Partners, LLC



Samantha MacKenzie
Project Manager
McNabb Partners
(703) 357-3545

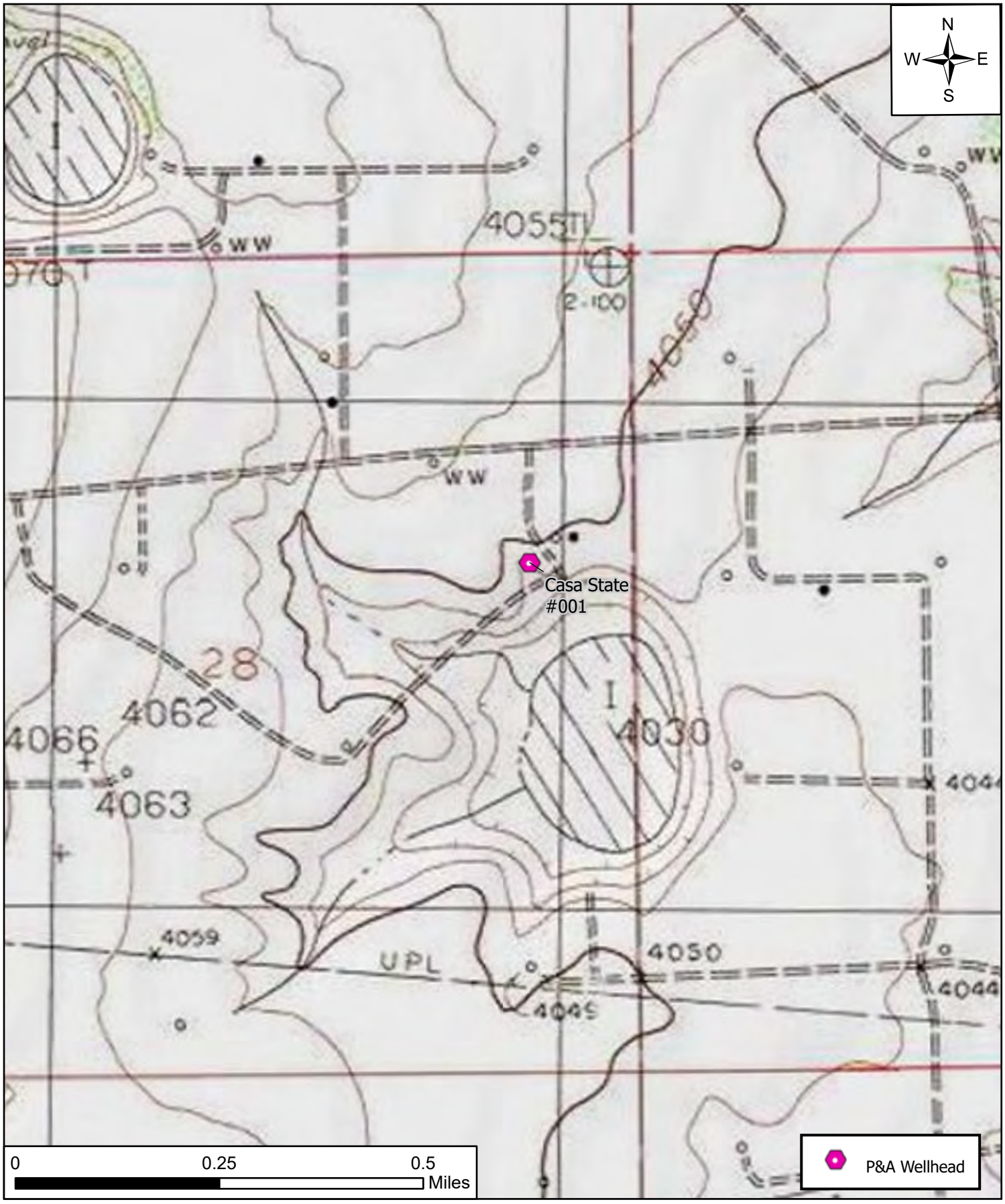
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MorningStar Operating, LLC

Appendices:

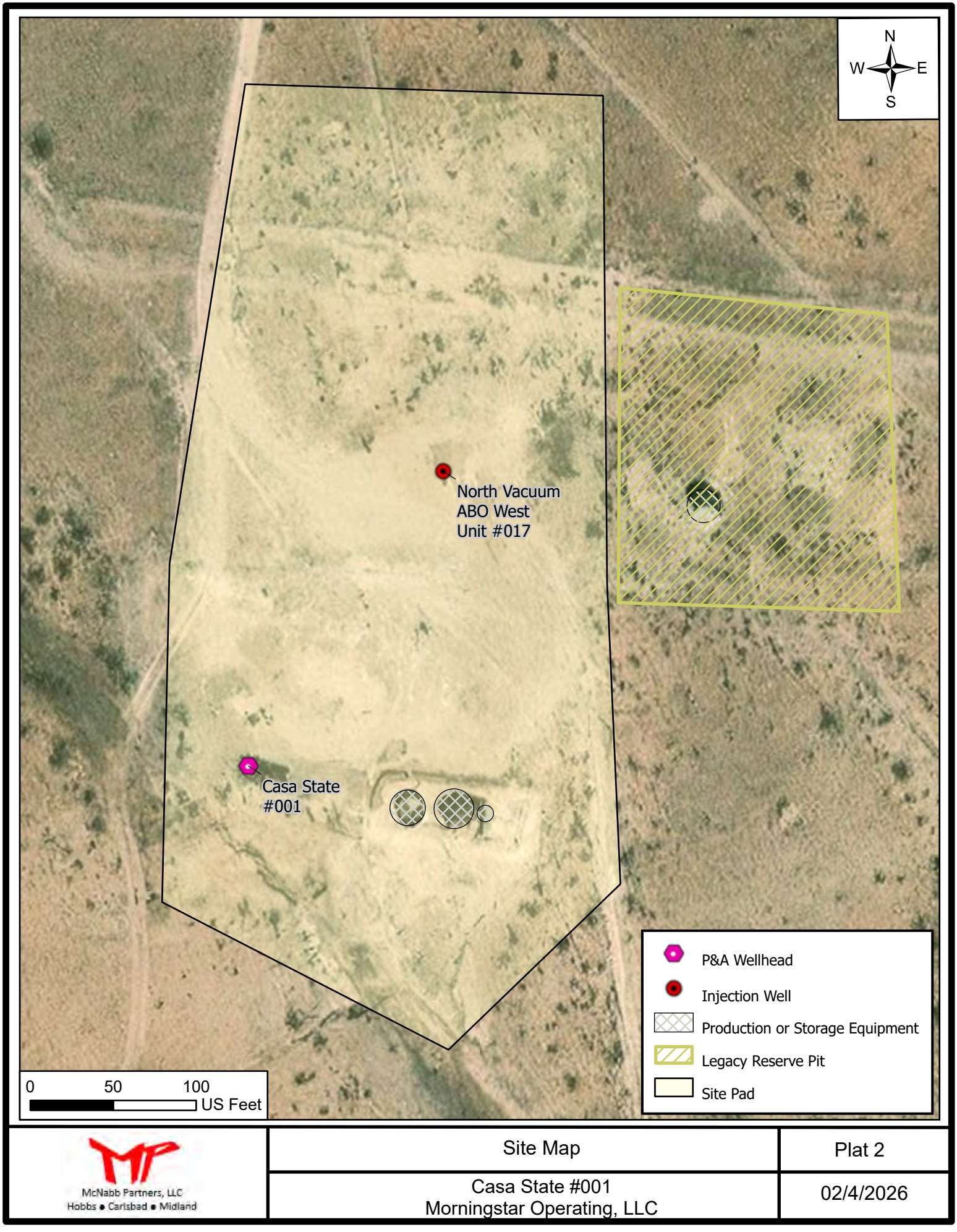
Appendix A	Plats
	Plat 1 – Site Location
	Plat 2 – Site Map
	Plat 3 – Confirmation Samples Map
	Plat 4 – Lease Road Reclamation Map
	Plat 5 – Erosion Control
Appendix B	Photographic Log
Appendix C	Table
Appendix D	Referenced Well Records
Appendix E	Site Characterization
Appendix F	Correspondence
Appendix G	Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix A

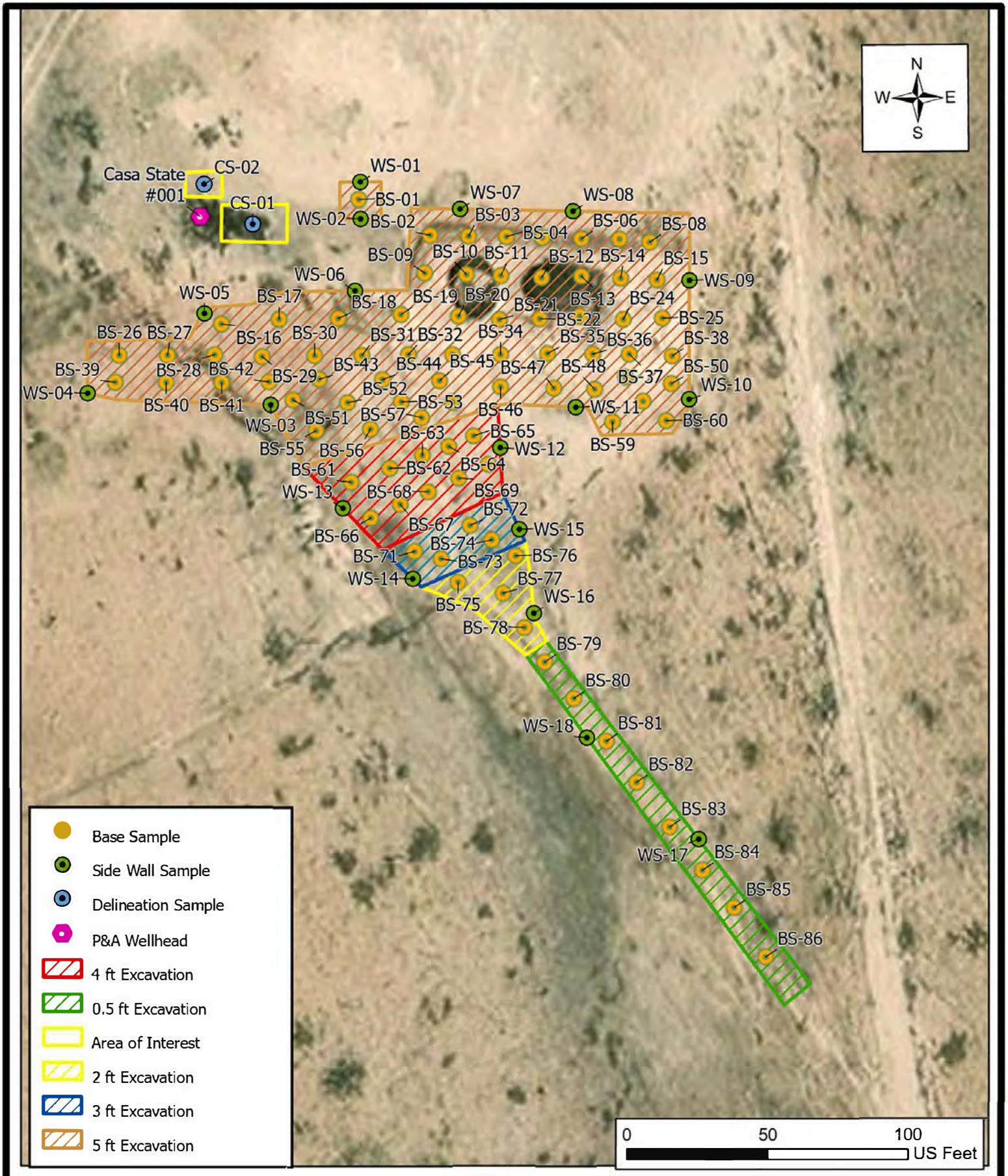
Plats



McNabb Partners, LLC Hobbs • Carlsbad • Midland	Site Location	Plat 1
	Casa State #001 Morningstar Operating, LLC	02/4/2026



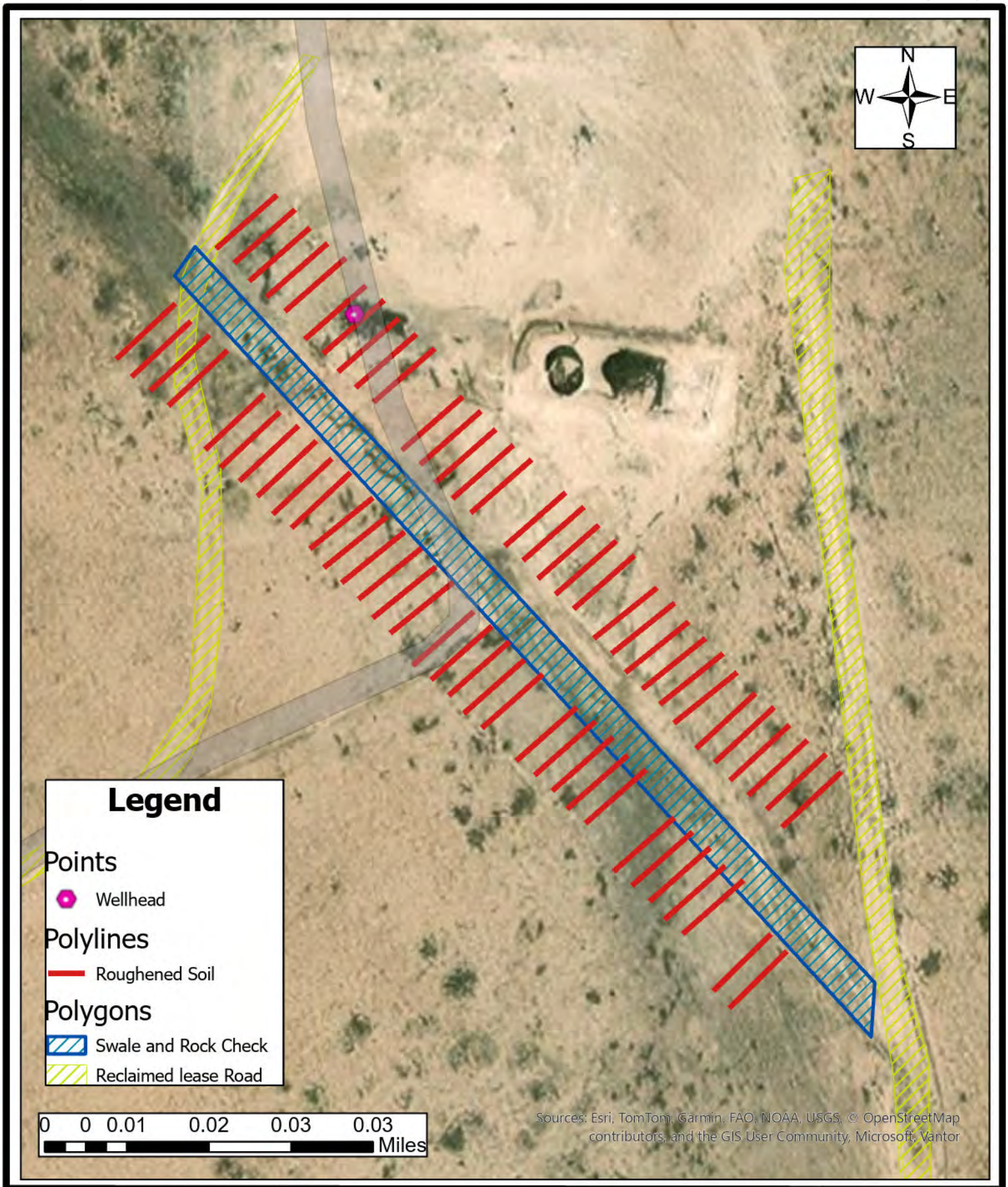
McNabb Partners, LLC Hobbs • Carlsbad • Midland	Site Map	Plat 2
	Casa State #001 Morningstar Operating, LLC	02/4/2026



McNabb Partners, LLC Hobbs ● Carlsbad ● Midland	Confirmation Samples Map	Plat 3
	Casa State #001 Morningstar Operating, LLC	2/4/2026



McNabb Partners, LLC Hobbs ● Carlsbad ● Midland	Lease Road Reclamation Map	Plat 4
	Casa State #001 Morningstar Operating, LLC	2/4/2026



McNabb Partners, LLC Hobbs • Carlsbad • Midland	Erosion Control	Plat 5
	Casa State #001 Morningstar Operating, LLC	2/4/2026

Appendix B
Photographic Log

Photographic Log
MorningStar Operating, LLC
Casa State #001
API 30-025-27944



Photograph:	1	Date:	11/17/2025
Description:	View of the excavation	View:	West



Photograph:	2	Date:	11/17/2025
Description:	View of the excavation	View:	East



Photograph:	3	Date:	11/17/2025
Description:	View of the excavation	View:	East



Photograph:	4	Date:	11/20/2025
Description:	View of the excavation	View:	East



Photograph:	5	Date:	11/20/2025
Description:	View of the excavation	View:	Southeast

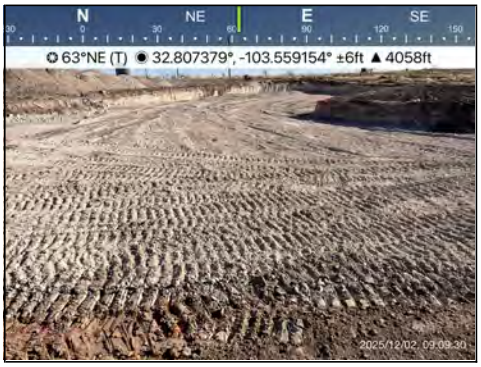


Photograph:	6	Date:	11/20/2025
Description:	View of the excavation	View:	Southeast

Photographic Log
MorningStar Operating, LLC
Casa State #001
API 30-025-27944



Photograph:	7	Date:	12/2/2025
Description:	View of the excavation	View:	East



Photograph:	8	Date:	12/2/2025
Description:	View of the excavation	View:	Northeast



Photograph:	9	Date:	12/2/2025
Description:	View of the excavation	View:	Southeast



Photograph:	10	Date:	12/2/2025
Description:	View of the excavation	View:	West



Photograph:	11	Date:	12/2/2025
Description:	View of the excavation	View:	Northeast



Photograph:	12	Date:	11/14/2025
Description:	Seed Mixture	View:	NA

Photographic Log
MorningStar Operating, LLC
Casa State #001
API 30-025-27944



Photograph:	13	Date:	12/16/2025
Description:	View of reclaimed surfaces	View:	North



Photograph:	14	Date:	12/16/2025
Description:	View of reclaimed surfaces	View:	North



Photograph:	15	Date:	12/16/2025
Description:	View of reclaimed surfaces	View:	North



Photograph:	16	Date:	12/17/2025
Description:	View of reclaimed surfaces	View:	North



Photograph:	17	Date:	12/17/2025
Description:	View of reclaimed surfaces	View:	North



Photograph:	18	Date:	12/17/2025
Description:	View of reclaimed surfaces	View:	North

Appendix C

Table

Table 1
Casa State #001
MorningStar Operating, LLC
Lea County, New Mexico

Sample ID	Date	Depth (Feet)	Benzene (mg/kg)	BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	GRO+DRO (mg/kg)	MRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Closure Criteria			10	50	--	--	--	--	100	600
Excavation Base Confirmation Samples										
BS-01	12/2/2025	5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	**114**
BS-02	12/2/2025	5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	**197**
BS-03	12/2/2025	5	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	**74.9**
BS-04	12/2/2025	5	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	**101**
BS-05	12/2/2025	5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	**88.7**
BS-06	12/2/2025	5	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	**64.9**
BS-07	12/2/2025	5	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	**134**
BS-08	12/2/2025	5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	**64.6**
BS-09	12/2/2025	5	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	**137**
BS-10	12/2/2025	5	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	**61.9**
BS-11	12/2/2025	5	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	<49.6	**129**
BS-12	12/2/2025	5	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	<49.8	**343**
BS-13	12/2/2025	5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	**127**
BS-14	12/2/2025	5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	<10.0
BS-15	12/2/2025	5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	**124**
BS-16	12/2/2025	5	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	**203**
BS-17	12/2/2025	5	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	**53.8**
BS-18	12/2/2025	5	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	**99.7**
BS-19	12/2/2025	5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	**77.2**
BS-20	12/2/2025	5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	**53.2**
BS-21	12/2/2025	5	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	**132**
BS-22	12/2/2025	5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	**178**
BS-23	12/2/2025	5	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	**58.1**
BS-24	12/2/2025	5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	**31.7**
BS-25	12/2/2025	5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	**29.1**
BS-26	12/2/2025	5	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	**52.3**
BS-27	12/2/2025	5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	**50.6**
BS-28	12/2/2025	5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	**152**
BS-29	12/2/2025	5	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	**159**
BS-30	12/2/2025	5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	**129**
BS-31	12/2/2025	5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	**21.8**
BS-32	12/2/2025	5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	**230**
BS-33	12/2/2025	5	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	**31.8**
BS-34	12/2/2025	5	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	**175**
BS-35	12/2/2025	5	<0.00200	<0.00399	<50.3	<50.3	<50.3	<50.3	<50.3	**44.7**
BS-36	12/2/2025	5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	**189**
BS-37	12/2/2025	5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	**20.1**
BS-38	12/2/2025	5	<0.00198	<0.00396	<50.1	<50.1	<50.1	<50.1	<50.1	**356**
BS-39	12/2/2025	5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	**258**
BS-40	12/2/2025	5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	**160**
BS-41	12/2/2025	5	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	<49.8	**241**
BS-42	12/2/2025	5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	**86.0**

Table 1
Casa State #001
MorningStar Operating, LLC
Lea County, New Mexico

Sample ID	Date	Depth (Feet)	Benzene (mg/kg)	BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	GRO+DRO (mg/kg)	MRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Closure Criteria			10	50	--	--	--	--	100	600
BS-43	12/2/2025	5	<0.00201	<0.00402	<50.1	<50.1	<50.1	<50.1	<50.1	**146**
BS-44	12/2/2025	5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	**168**
BS-45	12/2/2025	5	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	**83.0**
BS-46	12/2/2025	5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	**165**
BS-47	12/2/2025	5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	**315**
BS-48	12/2/2025	5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	**51.8**
BS-49	12/2/2025	5	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	**221**
BS-50	12/2/2025	5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	**355**
BS-51	12/2/2025	5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	**131**
BS-52	12/2/2025	5	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	**277**
BS-53	12/2/2025	5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	**177**
BS-54	12/2/2025	5	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	**258**
BS-55	12/2/2025	5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	**122**
BS-56	12/2/2025	5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	**85.0**
BS-57	12/2/2025	5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	**140**
BS-58	12/2/2025	5	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	**285**
BS-59	12/2/2025	5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	**10.6**
BS-60	12/2/2025	5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	**137**
BS-61	12/2/2025	4	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	**135**
BS-62	12/2/2025	4	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	**51.9**
BS-63	12/2/2025	4	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	**174**
BS-64	12/2/2025	4	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	**454**
BS-65	12/2/2025	4	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	**122**
BS-66	12/2/2025	4	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	**99.9**
BS-67	12/2/2025	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	**120**
BS-68	12/2/2025	4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	**232**
BS-69	12/2/2025	4	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	**48.9**
BS-70	12/2/2025	4	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	**239**
BS-71	12/2/2025	3	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	**232**
BS-72	12/2/2025	3	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	**418**
BS-73	12/2/2025	3	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	**90.5**
BS-74	12/2/2025	3	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	<49.8	**262**
BS-75	12/2/2025	2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	**229**
BS-76	12/2/2025	2	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	**99.8**
BS-77	12/2/2025	2	**0.00210**	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	**275**
BS-78	12/2/2025	2	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	**184**
BS-79	12/2/2025	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	**238**
BS-80	12/2/2025	0.5	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	**134**
BS-81	12/2/2025	0.5	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	<49.8	**162**
BS-82	12/2/2025	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	**84.5**
BS-83	12/2/2025	0.5	<0.00200	<0.00400	<50.1	<50.1	<50.1	<50.1	<50.1	**451**
BS-84	12/2/2025	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	**99.4**
BS-85	12/2/2025	0.5	**0.00218**	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	<9.92
BS-86	12/2/2025	0.5	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	**347**

Table 1
Casa State #001
MorningStar Operating, LLC
Lea County, New Mexico

Sample ID	Date	Depth (Feet)	Benzene (mg/kg)	BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	GRO+DRO (mg/kg)	MRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Closure Criteria			10	50	--	--	--	--	100	600
Excavation Side Wall Confirmation Samples										
WS-01	12/2/2025	0-5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	**121**
WS-02	12/2/2025	0-5	**0.00201**	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	**371**
WS-03	12/2/2025	0-5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	**336**
WS-04	12/2/2025	0-5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	**233**
WS-05	12/2/2025	0-5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	**130**
WS-06	12/2/2025	0-5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	**123**
WS-07	12/2/2025	0-5	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	**122**
WS-08	12/2/2025	0-5	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	**60.9**
WS-09	12/2/2025	0-5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	**194**
WS-10	12/2/2025	0-5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	**146**
WS-11	12/2/2025	0-5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	**108**
WS-12	12/2/2025	0-4	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	**165**
WS-13	12/2/2025	0-4	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	**78.2**
WS-14	12/2/2025	0-3	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	**122**
WS-15	12/2/2025	0-3	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	**287**
WS-16	12/2/2025	0-2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	**116**
WS-17	12/2/2025	0-0.5	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	**43.8**
WS-18	12/2/2025	0-0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	**176**
Vertical Delineation Samples										
CS-01	12/1/2025	0.5	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	**133**
	12/1/2025	1.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	**232**
CS-02	12/1/2025	0.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	**156**
	12/1/2025	1.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	**55.0**
Backfill Samples										
TBG	8/20/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0.	<10.0	<10.0	<16.0
CBG	8/20/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0.	<10.0	<10.0	<16.0

Legend:
Bold text indicates analyte detected
Sample exceeds NMOCD Closure Criteria
Sample point has been excavated and resampled

Appendix D
Referenced Well Records

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

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

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 324825103332601

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 324825103332601 17S.34E.28.223

Lea County, New Mexico
Latitude 32°48'37", Longitude 103°33'35" NAD27
Land-surface elevation 4,058.00 feet above NGVD29
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1961-02-22		D	62610		3926.50	NGVD29	1	Z			A
1961-02-22		D	62611		3928.07	NAVD88	1	Z			A
1961-02-22		D	72019	131.50			1	Z			A
1966-03-16		D	62610		3886.95	NGVD29	P	Z			A
1966-03-16		D	62611		3888.52	NAVD88	P	Z			A
1966-03-16		D	72019	171.05			P	Z			A
1971-02-17		D	62610		3921.84	NGVD29	1	Z			A
1971-02-17		D	62611		3923.41	NAVD88	1	Z			A
1971-02-17		D	72019	136.16			1	Z			A
1976-03-03		D	62610		3909.09	NGVD29	1	Z			A
1976-03-03		D	62611		3910.66	NAVD88	1	Z			A
1976-03-03		D	72019	148.91			1	Z			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions or Comments
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U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2025-06-05 06:30:57 EDT
0.38 0.3 nadww02

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

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

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 324835103333701

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 324835103333701 17S.34E.28.223333

Lea County, New Mexico
Latitude 32°48'34", Longitude 103°33'39" NAD27
Land-surface elevation 4,058.00 feet above NGVD29
The depth of the well is 242 feet below land surface.
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1961-02-22		D	62610		3926.55	NGVD29	1	Z			A
1961-02-22		D	62611		3928.13	NAVD88	1	Z			A
1961-02-22		D	72019	131.45			1	Z			A
1966-03-16		D	62610		3887.00	NGVD29	P	Z			A
1966-03-16		D	62611		3888.58	NAVD88	P	Z			A
1966-03-16		D	72019	171.00			P	Z			A
1968-01-02		D	62610		3904.59	NGVD29	1	Z			A
1968-01-02		D	62611		3906.17	NAVD88	1	Z			A
1968-01-02		D	72019	153.41			1	Z			A
1969-01-14		D	62610		3924.99	NGVD29	1	Z			A
1969-01-14		D	62611		3926.57	NAVD88	1	Z			A
1969-01-14		D	72019	133.01			1	Z			A
1970-01-05		D	62610		3923.80	NGVD29	1	Z			A
1970-01-05		D	62611		3925.38	NAVD88	1	Z			A
1970-01-05		D	72019	134.20			1	Z			A
1971-01-12		D	62610		3921.93	NGVD29	1	Z			A
1971-01-12		D	62611		3923.51	NAVD88	1	Z			A
1971-01-12		D	72019	136.07			1	Z			A
1971-02-17		D	62610		3921.89	NGVD29	1	Z			A
1971-02-17		D	62611		3923.47	NAVD88	1	Z			A
1971-02-17		D	72019	136.11			1	Z			A
1972-01-12		D	62610		3919.32	NGVD29	1	Z			A
1972-01-12		D	62611		3920.90	NAVD88	1	Z			A
1972-01-12		D	72019	138.68			1	Z			A
1973-01-10		D	62610		3916.96	NGVD29	1	Z			A
1973-01-10		D	62611		3918.54	NAVD88	1	Z			A
1973-01-10		D	72019	141.04			1	Z			A
1974-01-08		D	62610		3914.74	NGVD29	1	Z			A
1974-01-08		D	62611		3916.32	NAVD88	1	Z			A
1974-01-08		D	72019	143.26			1	Z			A

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1975-01-08		D	62610		3912.33	NGVD29	1		Z		A
1975-01-08		D	62611		3913.91	NAVD88	1		Z		A
1975-01-08		D	72019	145.67			1		Z		A
1976-01-13		D	62610		3909.43	NGVD29	1		Z		A
1976-01-13		D	62611		3911.01	NAVD88	1		Z		A
1976-01-13		D	72019	148.57			1		Z		A
1976-03-03		D	62610		3909.14	NGVD29	1		Z		A
1976-03-03		D	62611		3910.72	NAVD88	1		Z		A
1976-03-03		D	72019	148.86			1		Z		A
1977-01-08		D	62610		3907.41	NGVD29	1		Z		A
1977-01-08		D	62611		3908.99	NAVD88	1		Z		A
1977-01-08		D	72019	150.59			1		Z		A
1978-01-04		D	62610		3905.57	NGVD29	1		Z		A
1978-01-04		D	62611		3907.15	NAVD88	1		Z		A
1978-01-04		D	72019	152.43			1		Z		A
1979-01-04		D	62610		3904.52	NGVD29	1		Z		A
1979-01-04		D	62611		3906.10	NAVD88	1		Z		A
1979-01-04		D	72019	153.48			1		Z		A
1980-01-03		D	62610		3903.39	NGVD29	1		Z		A
1980-01-03		D	62611		3904.97	NAVD88	1		Z		A
1980-01-03		D	72019	154.61			1		Z		A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988

Section	Code	Description
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2025-06-05 06:31:36 EDT
0.41 0.31 nadww02

Appendix E
Site Characterization

NMOCD - Karst Potential



6/4/2025, 6:38:09 PM

Override 1
Wells - Large Scale
Injection, Active
Oil, Plugged
Karst Occurrence Potential
Low
PLSS Second Division
PLSS First Division

1:2,257

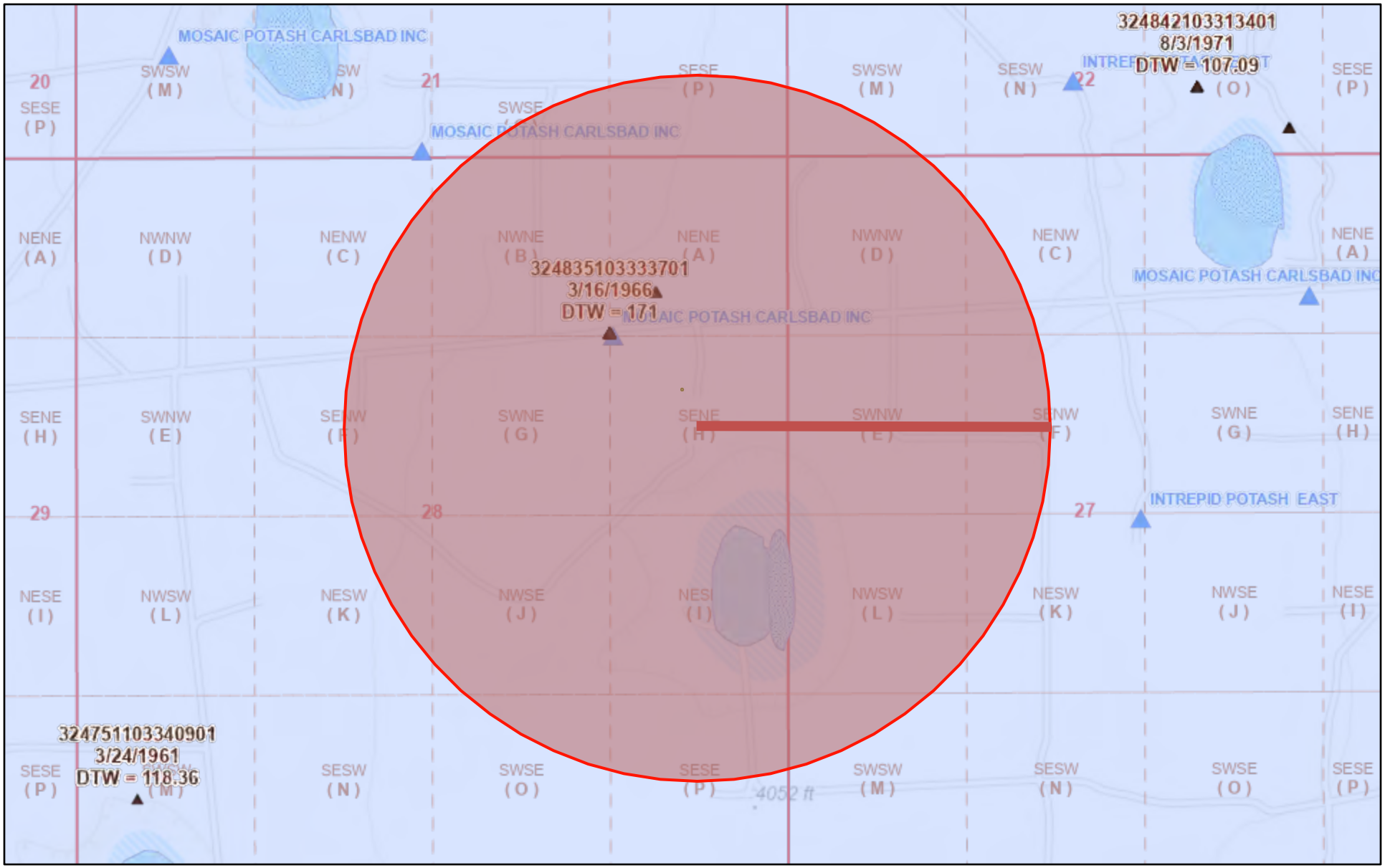
0 0.01 0.03 0.06 mi
0 0.03 0.05 0.1 km

BLM, OCD, New Mexico Tech, OCD, Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, EPA, USDA,

New Mexico Oil Conservation Division

NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division

USGS - Depth-to-Water (0.5-mile Radius)



6/4/2025, 6:50:45 PM

1:14,548

0 0.1 0.2 0.4 mi

0 0.15 0.3 0.6 km

Override 1

USGS Historical GW Wells

OSE Probable Playas

PLSS First Division

Areas

Karst Occurrence Potential

NMED Drinking Water Systems

Override 1

Low

PLSS Second Division

Override 2

OSW Water Bodys

BLM, OCD, New Mexico Tech, USGS, Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA,

New Mexico Oil Conservation Division

NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division

NMOSE - Depth-to-Water (0.5-mile Radius)



6/4/2025, 7:00:56 PM

Override 1

GIS WATERS PODs

Active

Pending

Capped

Plugged

OSE District Boundary

1:15,056

0 0.1 0.2 0.4 mi

0 0.15 0.3 0.6 km

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Maxar

Online web user

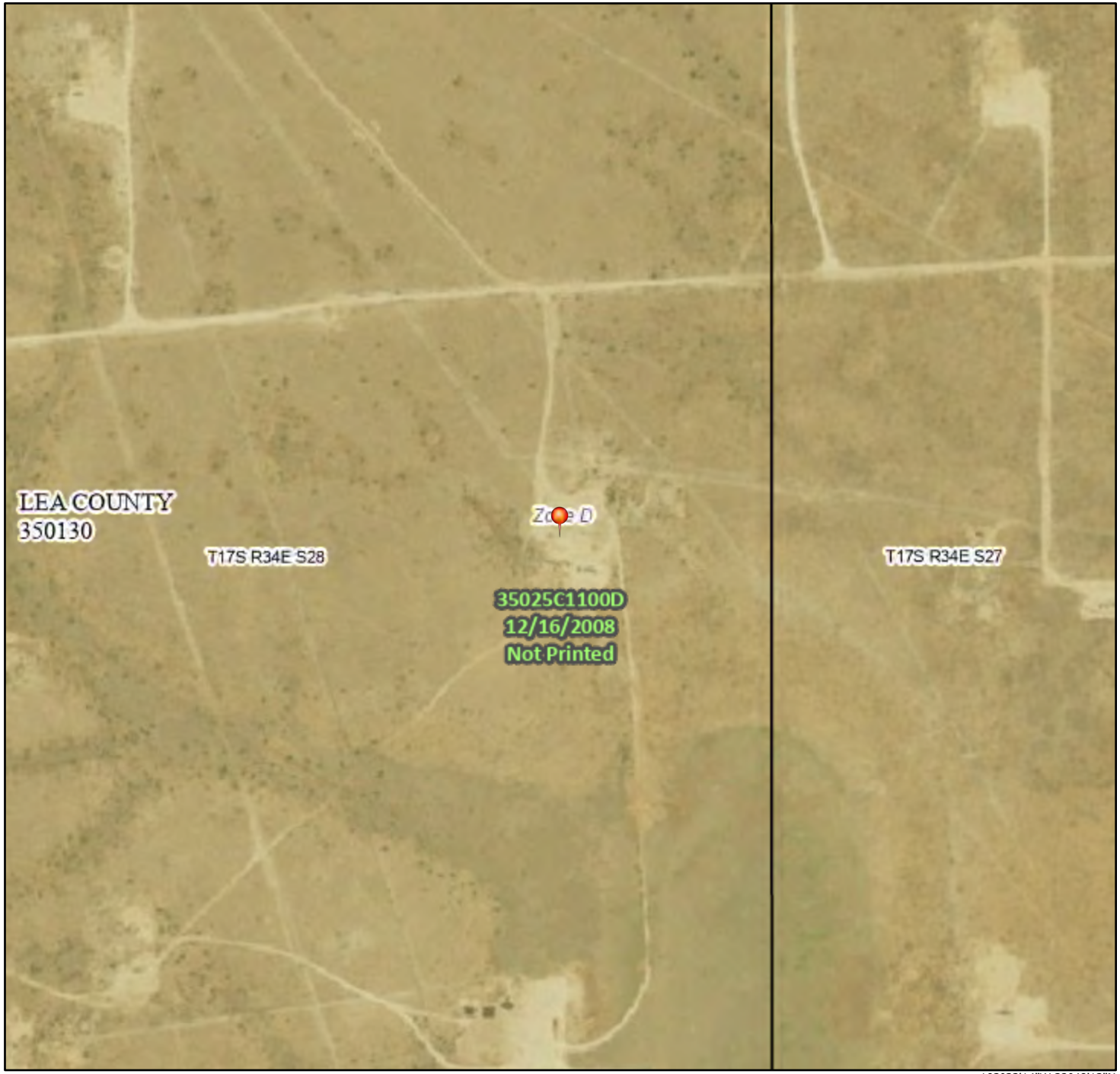
This is an unofficial map from the OSE's online application.

Received by OCD: 4/2/2026 12:41:38 PM

National Flood Hazard Layer FIRMette

FEMA

103°33'51"W 32°48'43"N



103°33'14"W 32°48'13"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/5/2025 at 2:19 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

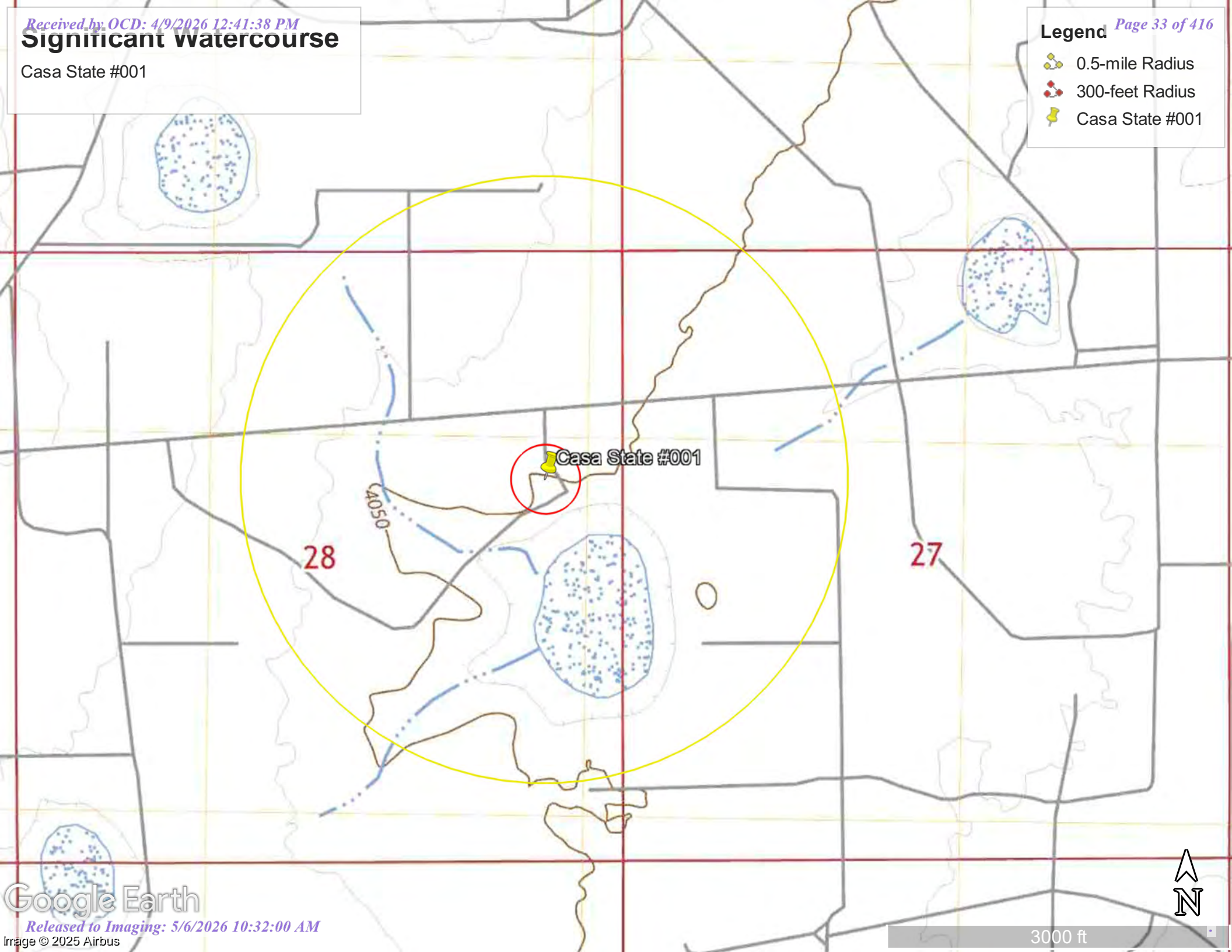
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Received by OCD: 4/9/2026 12:41:38 PM

Significant Watercourse

Casa State #001



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Received by OCD: 4/9/2026 12:41:38 PM

U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands - Casa State #001



June 5, 2025

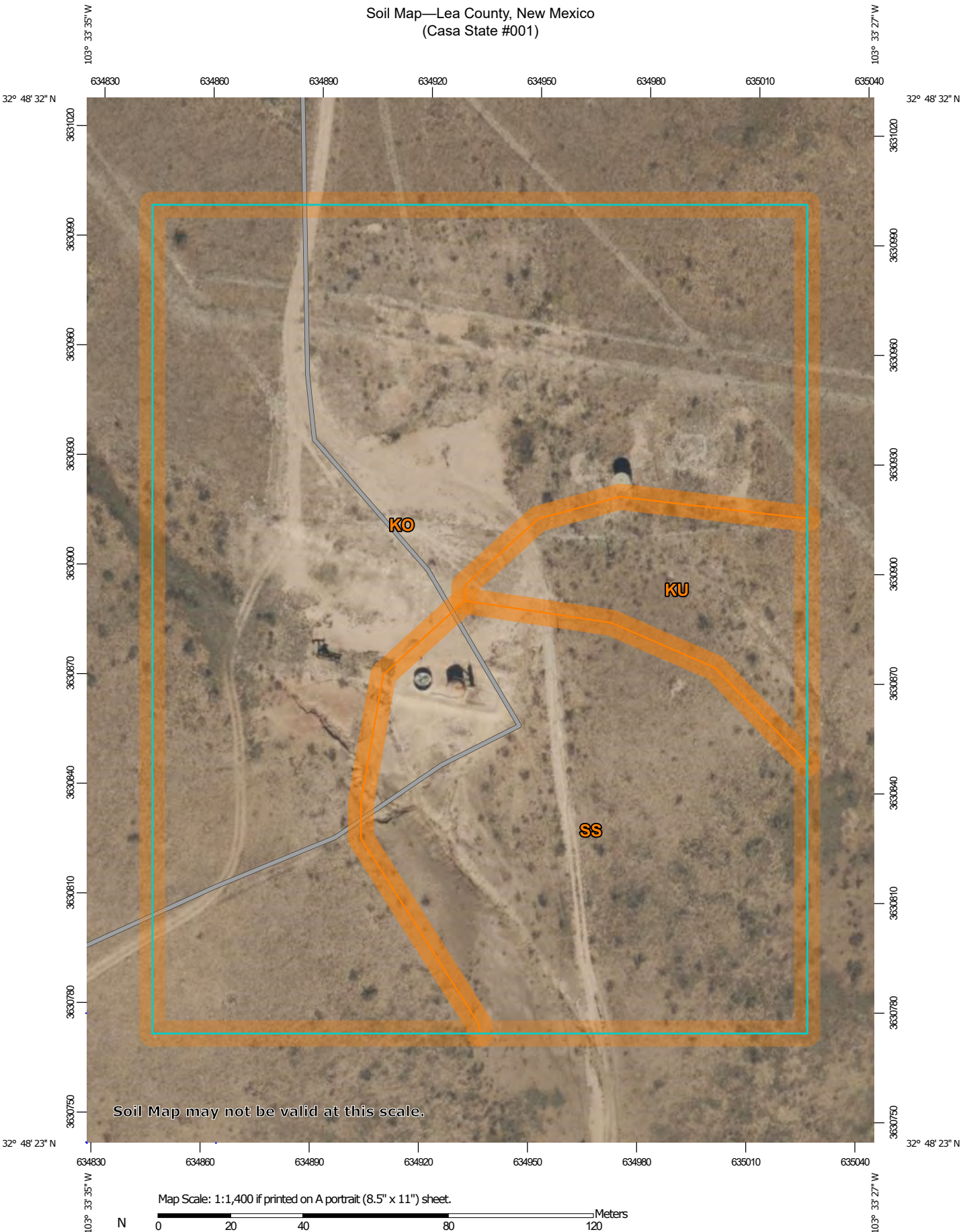
Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

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Soil Map—Lea County, New Mexico
(Casa State #001)



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MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 21, Sep 3, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

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Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KO	Kimbrough gravelly loam, dry, 0 to 3 percent slopes	6.3	62.5%
KU	Kimbrough-Lea complex, dry, 0 to 3 percent slopes	0.8	8.4%
SS	Stegall and Slaughter soils	3.0	29.2%
Totals for Area of Interest		**10.1**	**100.0%**

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Lea County, New Mexico

KO—Kimbrough gravelly loam, dry, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2tw43
Elevation: 2,500 to 4,800 feet
Mean annual precipitation: 14 to 16 inches
Mean annual air temperature: 57 to 63 degrees F
Frost-free period: 180 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Kimbrough, dry, and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kimbrough, Dry

Setting

Landform: Playa rims, plains
Down-slope shape: Convex, linear
Across-slope shape: Concave, linear
Parent material: Loamy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 3 inches: gravelly loam
Bw - 3 to 10 inches: loam
Bkkm1 - 10 to 16 inches: cemented material
Bkkm2 - 16 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 4 to 18 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.01 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 95 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s

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Hydrologic Soil Group: D
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Minor Components

Eunice

Percent of map unit: 10 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Convex
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Spraberry

Percent of map unit: 6 percent
Landform: Playa rims, plains
Down-slope shape: Convex, linear
Across-slope shape: Linear
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Kenhill

Percent of map unit: 4 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077DY038TX - Clay Loam 12-17" PZ
Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 21, Sep 3, 2024

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Lea County, New Mexico

KU—Kimbrough-Lea complex, dry, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2tw46
Elevation: 2,500 to 4,800 feet
Mean annual precipitation: 14 to 16 inches
Mean annual air temperature: 57 to 63 degrees F
Frost-free period: 180 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Kimbrough and similar soils: 45 percent
Lea and similar soils: 25 percent
Minor components: 30 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kimbrough

Setting

Landform: Playa rims, plains
Down-slope shape: Convex, linear
Across-slope shape: Concave, linear
Parent material: Loamy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 3 inches: gravelly loam
Bw - 3 to 10 inches: loam
Bkkm1 - 10 to 16 inches: cemented material
Bkkm2 - 16 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 4 to 18 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.01 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 95 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified

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Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Description of Lea

Setting

Landform: Plains
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Calcareous, loamy eolian deposits from the blackwater draw formation of pleistocene age over indurated caliche of pliocene age

Typical profile

A - 0 to 10 inches: loam
Bk - 10 to 18 inches: loam
Bkk - 18 to 26 inches: gravelly fine sandy loam
Bkkm - 26 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 22 to 30 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 90 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 3.0
Available water supply, 0 to 60 inches: Very low (about 2.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R077DY047TX - Sandy Loam 12-17" PZ
Hydric soil rating: No

Minor Components

Douro

Percent of map unit: 12 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077DY047TX - Sandy Loam 12-17" PZ
Other vegetative classification: Unnamed (G077DH000TX)
Hydric soil rating: No

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Kenhill

Percent of map unit: 12 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077DY038TX - Clay Loam 12-17" PZ
Hydric soil rating: No

Spraberry

Percent of map unit: 6 percent
Landform: Playa rims, plains
Down-slope shape: Convex, linear
Across-slope shape: Linear
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Other vegetative classification: Unnamed (G077DH000TX)
Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 21, Sep 3, 2024

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Lea County, New Mexico

SS—Stegall and Slaughter soils

Map Unit Setting

National map unit symbol: dmr4
Elevation: 3,600 to 4,400 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 58 to 60 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Stegall and similar soils: 40 percent
Slaughter and similar soils: 35 percent
Minor components: 25 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Stegall

Setting

Landform: Plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from sedimentary rock

Typical profile

A - 0 to 9 inches: loam
Bt - 9 to 28 inches: clay loam
Bkm - 28 to 38 inches: cemented material
BCk - 38 to 60 inches: variable

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: 20 to 40 inches to petrocalcic
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 90 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 4.8 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: C
Ecological site: R077CY028TX - Limy Upland 16-21" PZ
Hydric soil rating: No

Description of Slaughter

Setting

Landform: Plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous alluvium and/or calcareous eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 2 inches: loam
Bt - 2 to 15 inches: clay
Bkm - 15 to 25 inches: cemented material
BCk - 25 to 60 inches: variable

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches; More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 90 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Very low (about 2.4 inches)

Interpretive groups

Land capability classification (irrigated): 6s
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: D
Ecological site: R077CY028TX - Limy Upland 16-21" PZ
Hydric soil rating: No

Minor Components

Arvana

Percent of map unit: 10 percent
Ecological site: R077CY035TX - Sandy 16-21" PZ

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Hydric soil rating: No

Kimbrough

Percent of map unit: 9 percent
Ecological site: R077CY037TX - Very Shallow 16-21" PZ
Hydric soil rating: No

Portales

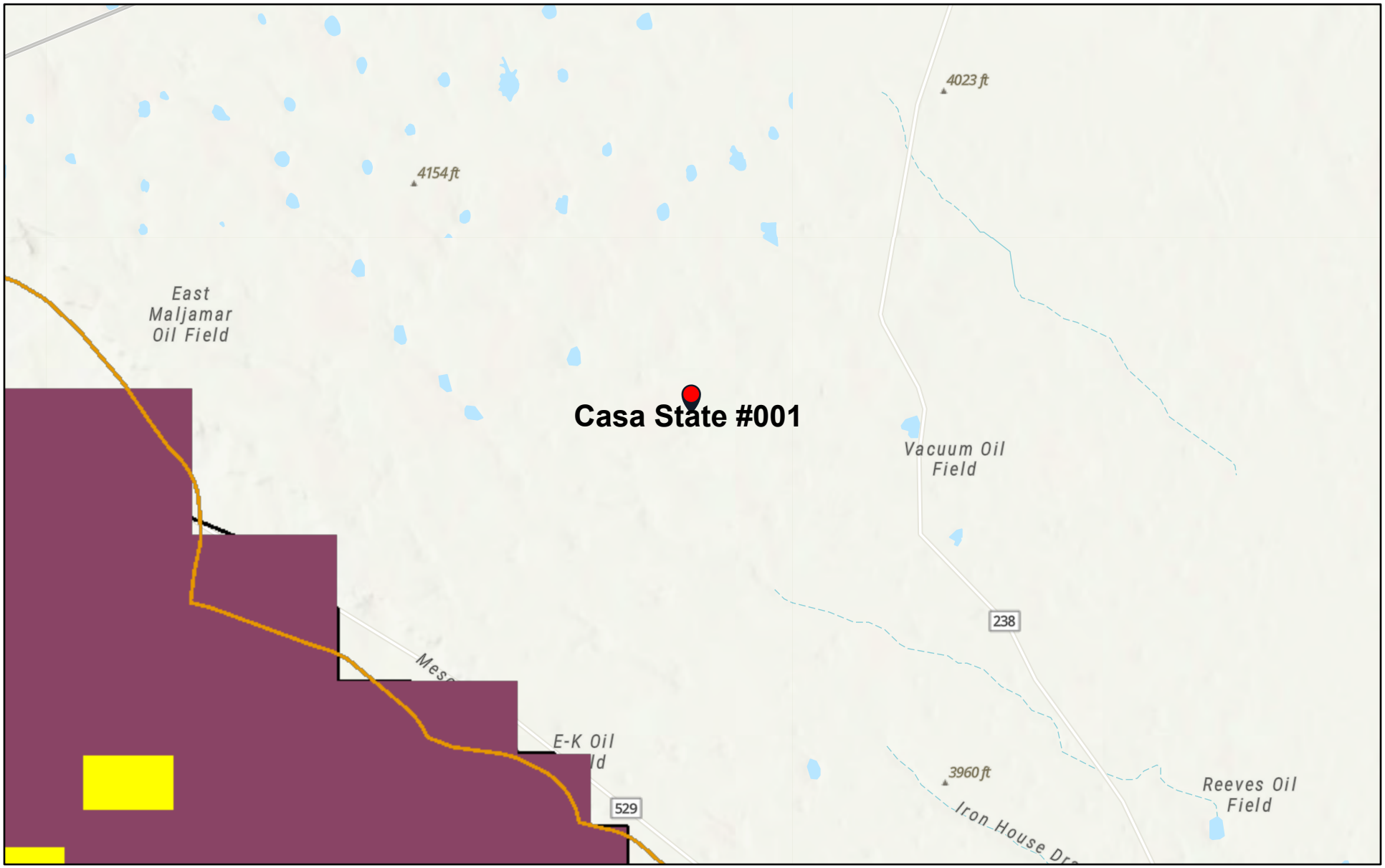
Percent of map unit: 6 percent
Ecological site: R077CY028TX - Limy Upland 16-21" PZ
Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 21, Sep 3, 2024

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Special Status Plants and Wildlife Habitats, and Areas of Enviornmental Concern



6/4/2025

1:142,191

0 1 2 4 mi

0 1.5 3 6 km

Dunes Sage Brush Lizard Habitat

Lesser Prairie Chicken Habitat

Habitat Evaluation Area

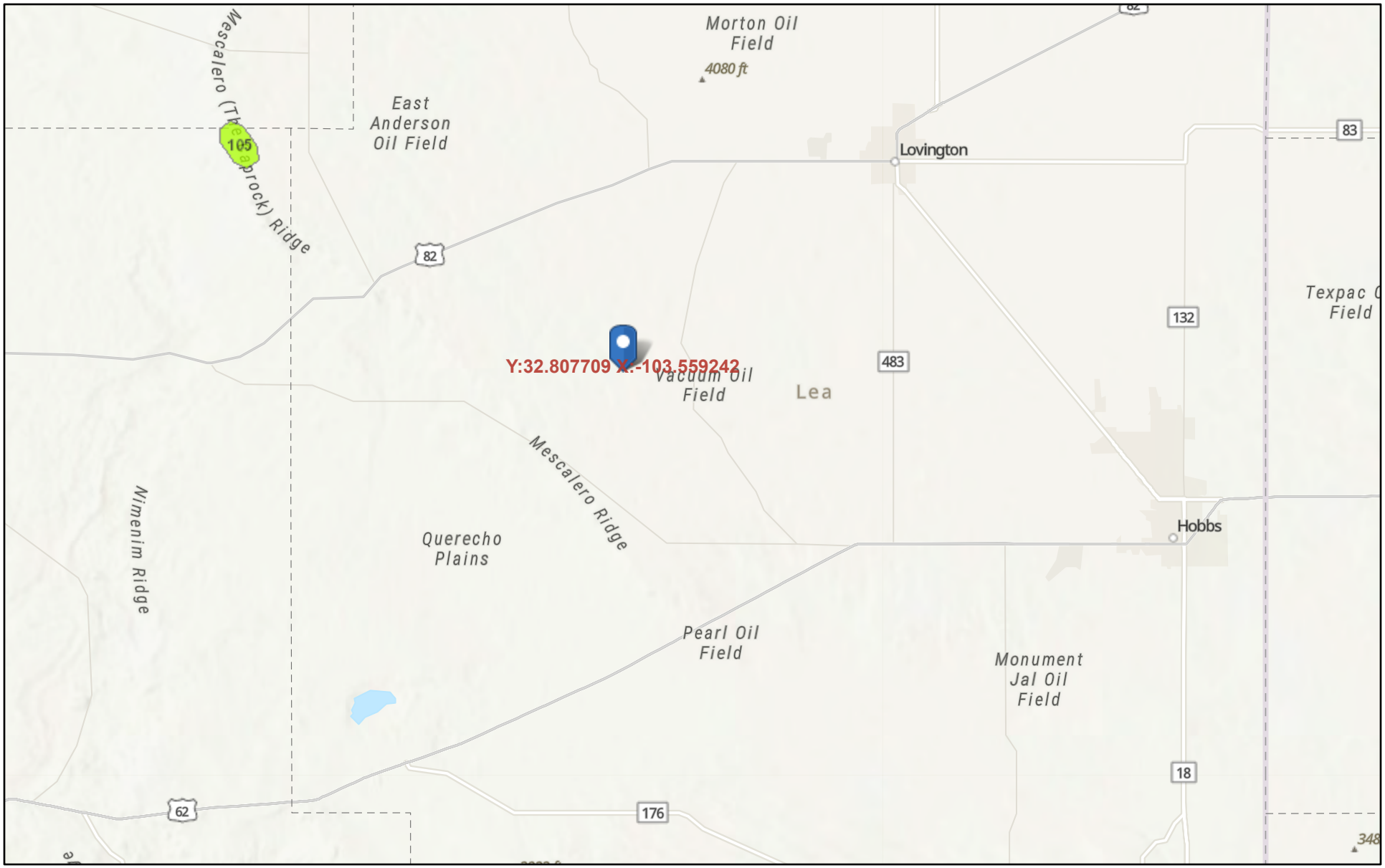
Isolated Population Area

Lesser Prairie Chicken TR

World_Hillshade

Esri, NASA, NGA, USGS, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community,

NMFWS Important Plants, Birds and Critical Habitats Areas



June 5, 2025

IPA_20171012

B1 - Outstanding

B2 - Very High

B3 - High

B4 - Moderate

NMAudubonIBA

1:464,039

0 3.25 6.5 13 mi

0 5 10 20 km

Esri, CGIAR, USGS, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Audubon.org

Appendix F
Correspondence

From: Knight, Tami C.
To: Samanntha Avarello
Cc: Dan Guillotte; Allen (Law) Armstrong; Biernoff, Ari; Marcus Gipson; Dimitry Nikanorov; Bisbey-Kuehn, Elizabeth A.; Griffin, Becky R.; David, Deon W.; Heltman, Elaine G.
Subject: (Reclamation/Remediation Plan) MSO Casa State 001 (30-025-27944) - Approved with Conditions
Date: Wednesday, September 3, 2025 12:50:47 PM
Attachments: image002.png
image004.png
image010.png
image011.png
image013.png
image005.png
image006.png
(R&R Plan) MorningStar-Casa State 001 (30-025-27944)-08-04-2025-revised.pdf

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RE: 30-025-27944 (PNR)/Morningstar; Casa State #001; E087120001/ CQ ACQUISITION PARTNERS I L.P.
Incident #: nPRS0522035374
ROE #: Not applicable
Remediation & Reclamation Workplan Received: August 27, 2025
Workplan Status: **Approved with Conditions**

Details regarding the workplan review are provided in the table below. The lessee and/or their contractor are responsible for ensuring that the project manager and field personnel performing the work follow the approved work plan. Please respond to this email that you understand and agree to the conditions of approval.

General Scope of Work Topics Addressed in Reclamation Workplan In Detail	Included/Approved	Not Included/Not Approved	Not Required
NMOCD Record Review	Included – other non reported impacts have been discovered. Technically, these should be reported to NMOCD. Anything over 10-12 cy is indicative of a reportable spill to NMOCD		
Historical Aerial Review with Areas of Concern Identified	Included + Site Visit + EM Survey		
CPP/Bio Statements	Included – note the erosion off the pad and possibly the historic release extends into the playa. If remediation is going to cross the access road to the east, please notify eco@nmslo.gov immediately.		

			
Site Characterization/Closure Criteria		Remediation extents will determine closure criteria per 19.15.29 NMAC. What is the actual distance of remediation/spill extents from OSE# L-03398 and the playa south of the well pad? **Due to the open NMOCD incident, NMOCD will need to approve the remediation workplan and closure criteria.** NMOCD records do not indicate the remediation workplan has been submitted to OCD portal yet. ECO will only agree to proposed remediation closure standards if NMOCD agrees. Typically, if any portion of the spill/remediation falls within regulatory distances, the entire remediation area must comply with the most stringent remediation standards, per NMOCD.	
Site assessment/delineation results	EM Survey provided and plans to delineate and remediate simultaneously		

	approved		
Remediation Method Detailed	See previous comments; remediation excavation approved		
Sampling Protocol		**NMOCD must approve proposed closure criteria. If NMOCD approves 400 sf confirmation sampling, ECO will agree to that variance**	
Reclamation Plans			
Surface Prep (equipment, caliche removal etc)	Surface caliche that may be used for backfill must not be stockpiled until after remediation is completed. Sampling of potential backfill caliche every 100 cy is approved. Per NMOCD any imported backfill material must be sampled too. I believe their requirement is one sample for the backfill being imported?		
• Erosion Control Measure Installation and Illustration	Approved		
• Seedbed Preparation and Seeding	Approved		
• Road Reclamation	Approved		
• Traffic Control Measure Installation and Illustration	Approved		
• Reclamation Monitoring	Approved		
• Schedule of Implementation	Submit remediation closure report with a reclamation activity report to eco@nmslo.gov by Jan 30, 2026		

We appreciate the efforts being taken to reclaim State Trust Land.

Environmental Compliance Office
New Mexico State Land Office
eco@nmslo.gov
nmstatelands.org

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From: Samanntha Avarello <savarello@txopartners.com>
Sent: Wednesday, August 27, 2025 9:52 AM
To: SLO Spills <spills@nmslo.gov>
Cc: Dan Guillotte <DGuillotte@txopartners.com>; Allen (Law) Armstrong <aarmstrong@txopartners.com>; Knight, Tami C. <tknight@nmslo.gov>; Biernoff, Ari <abiernoff@nmslo.gov>; Marcus Gipson <marcus@mcnabbpartners.com>; Dimitry Nikanorov <dimitry@mcnabbpartners.com>
Subject: [EXTERNAL] Fw: EXTERNAL:RE: (Reclamation/Remediation Plan) MSO Casa State 001 (30-025-27944) - Comments for Revisions

Hello,

MSO response to SLO COA's and updated Remediation/Reclamation plan attached for MSO Cas State 001

1. Historical aerial imagery documents hydrocarbon impacts at the wellhead and tank battery. This was not identified in the workplan. However, it is noted that the remediation excavations and confirmation sampling protocol will address hydrocarbon impacts properly. Google imagery of hydrocarbon staining from 2003 and 2005 will be addressed during remediation and reclamation activities.

2. The workplan states that the site is over 1,000 ft from a freshwater well; however, NMOCD maps a water well approximately 700 ft from the well boundaries. ECO recommends this be field confirmed for NMOCD and ECO. Fresh water well is approximately 850 ft NW of the NW edge of the remediation and reclamation area and approximately 1140 ft NE of the SW edge of the reclamation and remediation area.

3. The proposed closure criteria will not be approved until the water well distance is confirmed. Well has been confirmed

4. The proposed confirmation sampling variance request off 400 sq ft will not be approved until water well distance is confirmed. Well has been confirmed

5. Backfilling with clean caliche is acceptable since it matches natural soil horizons. Confirmation samples for the clean caliche can be sampled every 100 cubic yards or 3,000 sq ft AFTER the remediation activities have been completed and confirmation samples of remediation has been successful. ECO would accept analysis of TPH and chloride only for the caliche; however, since this site has an open NMOCD incident, I don't believe OCD would accept not analyzing for BTEX. This should be addressed with OCD if a sampling variance is requested. Caliche will be sampled, and area will be backfilled with clean, non-impacted soil, contoured to match the surrounding topography. MSO will close out open incident nPRS0522035374 with the NMOCD.

6. All backfill material must match natural soil horizons. "Pond bottoms" from playas are forbidden on State Trust Land. You may not excavate in a playa. Backfilled material will be clean, non-impacted soil, contoured to match the surrounding topography.

7. The workplan states the site is mostly level and does not address the obvious erosional features extending from the south side of the well pad. More robust erosion control measures will likely be needed to help stabilize reclamation on the southwest corner of the site. Erosion as a result of oil and gas activity is considered damage to state trust land. The workplan needs to address this stabilization, reseeding, and control. ECO recommends soil roughening perpendicular to water flow and swales, windrows, rock velocity check etc….these are more natural and permanent features that would not need maintenance like straw wattles. Erosion control measures must be detailed in the narrative and illustrated on the site map. Erosion control is detailed in the remediation and reclamation plan.

8. The seed mixture should be Course Mix. A certified weed-free NMSLO seed mix will be used

9. The traffic control berm must be seeded. Seeded area will have a traffic control berm.

10. ECO strongly recommends that reclamations be monitored at minimum bi-annual since noxious and invasive weeds typically have a spring and fall growing season. Reclamation area will be inspected bi-annually as recommended by ECO

11. The road running south from Casa #1 to the north side of Casa #2 should be included in the reclamation plan. Casa #2 has a main, alternative access point. MSO will remove the lease road between the Casa State 001 and the Casa State 002 along with the two-track road east of the location.

Regards,

TXO PARTNERS

400 W. 7th Street

Fort Worth, TX 76102

Samanntha Avarello

HSE Coordinator

TXO Partners, L.P. / MorningStar Operating LLC / Cross Timbers Energy, LLC

Office 817.334.7747

(deliveries: 400 W. 6th Street) | savarello@txopartners.com

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From: Knight, Tami C. <tknight@nmslo.gov>
Sent: Tuesday, June 17, 2025 9:36 AM
To: Samanntha Avarello <savarello@txopartners.com>; Dimitry Nikanorov <Dimitry@mcnabbpartners.com>
Cc: Dan Guillotte <DGuillotte@txopartners.com>; Allen (Law) Armstrong <aarmstrong@txopartners.com>; Biernoff, Ari <abiernoff@nmslo.gov>; Heltman, Elaine G. <eheltman@nmslo.gov>; Griffin, Becky R. <bgriffin@nmslo.gov>; David, Deon W. <ddavid@nmslo.gov>; Bisbey-Kuehn, Elizabeth A. <ebisbeykuehn@nmslo.gov>
Subject: EXTERNAL:RE: (Reclamation/Remediation Plan) MSO Casa State 001 (30-025-27944) - Comments for Revisions

This email contains a link!
This email contains a World Wide Web link. Use caution when following links as they could open malicious web sites.
- Helpdesk

ECO has reviewed the subject workplan and has the following comments:

1. Historical aerial imagery documents hydrocarbon impacts at the wellhead and tank battery. This was not identified in the workplan. However, it is noted that the remediation excavations and confirmation sampling protocol will address hydrocarbon impacts properly.

2. The workplan states that the site is over 1,000 ft from a freshwater well; however, NMOCD maps a water well approximately 700 ft from the well boundaries. ECO recommends this be field confirmed for NMOCD and ECO.

3. The proposed closure criteria will not be approved until the water well distance is confirmed.

4. The proposed confirmation sampling variance request off 400 sq ft will not be approved until water well distance is confirmed.

5. Backfilling with clean caliche is acceptable since it matches natural soil horizons. Confirmation samples for the clean caliche can be sampled every 100 cubic yards or 3,000 sq ft AFTER the remediation activities have been completed and confirmation

samples of remediation has been successful. ECO would accept analysis of TPH and chloride only for the caliche; however, since this site has an open NMOCD incident, I don't believe OCD would accept not analyzing for BTEX. This should be addressed with OCD if a sampling variance is requested.

6. All backfill material must match natural soil horizons. "Pond bottoms" from playas are forbidden on State Trust Land. You may not excavate in a playa.

7. The workplan states the site is mostly level and does not address the obvious erosional features extending from the south side of the well pad. More robust erosion control measures will likely be needed to help stabilize reclamation on the southwest corner of the site. Erosion as a result of oil and gas activity is considered damage to state trust land. The workplan needs to address this stabilization, reseeding, and control. ECO recommends soil roughening perpendicular to water flow and swales, windrows, rock velocity check etc….these are more natural and permanent features that would not need maintenance like straw wattles. Erosion control measures must be detailed in the narrative and illustrated on the site map.

8. The seed mixture should be Course Mix

9. The traffic control berm must be seeded.

10. ECO strongly recommends that reclamations be monitored at minimum bi-annual since noxious and invasive weeds typically have a spring and fall growing season.

11. The road running south from Casa #1 to the north side of Casa #2 should be included in the reclamation plan. Casa #2 has a main, alternative access point.

Please submit revised workplan to eco@nmslo.gov.

Tami Knight, CHMM

Environmental Specialist

Environmental Compliance Office

505.670 1638

New Mexico State Land Office

tknight@nmslo.gov

nmstatelands.org

NMSLO is closed June 19.

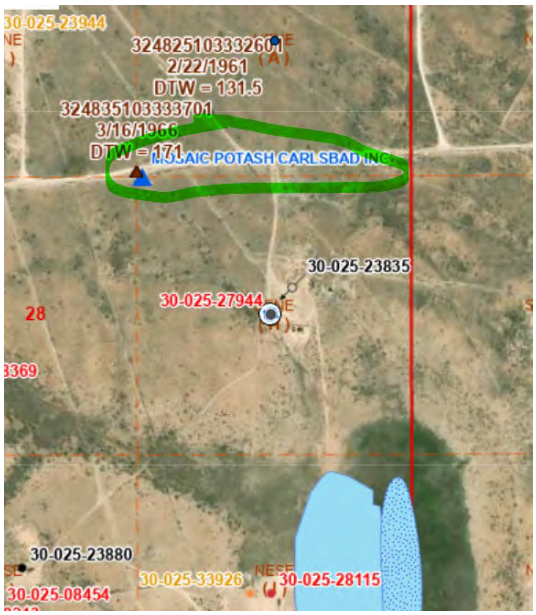
……

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From: Knight, Tami C.
Sent: Tuesday, June 17, 2025 8:02 AM
To: Samanntha Avarello <savarello@txopartners.com>; Dimitry Nikanorov <Dimitry@mcnabbpartners.com>
Cc: Dan Guillotte <DGuillotte@txopartners.com>; Allen (Law) Armstrong <aarmstrong@txopartners.com>; Biernoff, Ari <abiernoff@nmslo.gov>; Heltman, Elaine G. <eheltman@nmslo.gov>; Griffin, Becky R. <bgriffin@nmslo.gov>; David, Deon W. <ddavid@nmslo.gov>; Bisbey-Kuehn, Elizabeth A. <ebisbeykuehn@nmslo.gov>
Subject: RE: (Reclamation/Remediation Plan) MSO Casa State 001 (30-025-27944) - Fresh Water Well Confirmation

Morning Star Team

ECO is reviewing the subject workplan and NMOCD maps a water well within 1,000 ft of the subject location. To confirm the remediation closure criteria for NMOCD and ECO, I strongly recommend this water well be field confirmed.



Tami Knight, CHMM

Environmental Specialist

Environmental Compliance Office

505.670 1638

New Mexico State Land Office

tknight@nmslo.gov

nmstatelands.org

NMSLO is closed June 19.

……

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From: Samanntha Avarello <savarello@txopartners.com>
Sent: Thursday, June 12, 2025 11:02 AM
To: SLO Spills <spills@nmslo.gov>
Cc: Dan Guillotte <DGuillotte@txopartners.com>; Allen (Law) Armstrong <aarmstrong@txopartners.com>; Knight, Tami C. <tknight@nmslo.gov>; Biernoff, Ari <abiernoff@nmslo.gov>
Subject: [EXTERNAL] (Reclamation/Remediation Plan) MSO Casa State 001 (30-025-27944)

Hello,

Reclamation and Remediation plan attached for approval of MSO Casa State 001

Regards,

400 W. 7th Street

Fort Worth, TX 76102

(deliveries: 400 W. 6th Street)

Samanntha Avarello

HSE Coordinator

TXO Partners, L.P. / MorningStar Operating LLC / Cross Timbers Energy, LLC

Office 817.334.7747

savarello@txopartners.com

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From: Samanntha Avarello
To: eco@slo.state.nm.us
Cc: Marcus Gipson; Dan Guillotte; Ingrid Sullivan (c); Brandon Rodriguez; EngFileRoom9
Subject: (4-day Sampling Notification) MorningStar Operating Casa State 1 nPRS0522035374 (30-025-27944)
Date: Monday, November 24, 2025 11:50:34 AM
Attachments: Outlook-A picture .png

Hello,

This is a sampling notification for the Casa Sate 1 (32.8077087,-103.5592422)

Sampling event will be conducted by McNabb Partners at referenced site on December 2, 2025 @ 8:00 am

Please see site details below

Regards,

400 W. 7th Street

Fort Worth, TX 76102

(deliveries: 400 W. 6th Street)

Samanntha Avarello
HSE Coordinator
TXO Partners, L.P. / MorningStar Operating LLC / Cross Timbers Energy, LLC
Office 817.334.7747
savarello@txopartners.com

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From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, November 24, 2025 11:05 AM
To: Samanntha Avarello <savarello@txopartners.com>
Subject: EXTERNAL:The Oil Conservation Division (OCD) has accepted the application, Application ID: 529334

To whom it may concern (c/o Samanntha Avarello for MorningStar Operating LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nPRS0522035374.

The sampling event is expected to take place:

When: 12/02/2025 @ 08:00
Where: H-28-17S-34E 1980 FNL 660 FEL (32.8077087,-103.5592422)

Additional Information: Marcus Gipson 432-557-2296

Additional Instructions: The site can be accessed from the intersection of NM-238 and NM County Road 125 (Mescalero Road) by traveling west on NM County Road 125 for 1.9 miles. Travel south for 1.3 miles. Turn west for 0.9 miles and proceed south to the well site location. There are no access issues.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **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.**
- **If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: Samanntha Avarello
To: Marcus Gipson; Dimitry Nikanorov
Cc: Brandon Rodriguez; Dan Guillotte; EngFileRoom9
Subject: Fw: EXTERNAL:The Oil Conservation Division (OCD) has accepted the application, Application ID: 528935
Date: Friday, November 21, 2025 3:57:31 PM

Marcus,

Sampling notification has been submitted for the Casa State 1

~Samanntha
817-334-7747

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Friday, November 21, 2025 3:54 PM
To: Samanntha Avarello <savarello@txopartners.com>
Subject: EXTERNAL:The Oil Conservation Division (OCD) has accepted the application, Application ID: 528935

To whom it may concern (c/o Samanntha Avarello for MorningStar Operating LLC),
The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nPRS0522035374.

The sampling event is expected to take place:

When: 10/02/2025 @ 08:00
Where: H-28-17S-34E 1980 FNL 660 FEL (32.8077087,-103.5592422)

Additional Information: Marcus Gipson 432-557-2296

Additional Instructions: The site can be accessed from the intersection of NM-238 and NM County Road 125 (Mescalero Road) by traveling west on NM County Road 125 for 1.9 miles. Travel south for 1.3 miles. Turn west for 0.9 miles and proceed south to the well site location. There are no access issues.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **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.

- **If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

Appendix G

Laboratory Analytical Reports & Chain-of-Custody Documentation

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Dimitry Nikanorov
McNabb Partners
5014 W Carlsbad Hwy
Hobbs, New Mexico 88240

Generated 12/10/2025 12:43:12 PM

JOB DESCRIPTION

MorningStar Casa State 001
Lea County NM

JOB NUMBER

890-9182-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 5/6/2026 10:32:00 AM

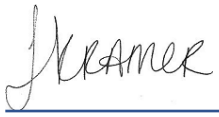
Eurofins Carlsbad

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
12/10/2025 12:43:12 PM

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

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Laboratory Job ID: 890-9182-1
SDG: Lea County NM

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Definitions/Glossary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9182-1
SDG: Lea 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: McNabb Partners
Project: MorningStar Casa State 001

Job ID: 890-9182-1

Job ID: 890-9182-1 Eurofins Carlsbad

Job Narrative
890-9182-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 12/8/2025 9:06 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.0°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: WS - 15 (890-9182-1), WS - 16 (890-9182-2), WS - 17 (890-9182-3), WS - 18 (890-9182-4), CS - 01 (890-9182-5), CS - 01 (890-9182-6), CS - 02 (890-9182-7) and CS - 02 (890-9182-8).

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: Surrogate recovery for the following samples were outside control limits: WS - 17 (890-9182-3) and (880-65875-A-4-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-126018/2-A), (LCSD 880-126018/3-A), (880-65875-A-4-B MS) and (880-65875-A-4-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: WS - 15 (890-9182-1), WS - 16 (890-9182-2), WS - 18 (890-9182-4), CS - 01 (890-9182-5), CS - 01 (890-9182-6), CS - 02 (890-9182-7), CS - 02 (890-9182-8) and (MB 880-126018/1-A). Evidence of matrix interferences is not obvious.

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

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

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9182-1
SDG: Lea County NM

Client Sample ID: WS - 15

Lab Sample ID: 890-9182-1
Matrix: Solid
Date Collected: 12/02/25 16:20
Date Received: 12/08/25 09:06
Sample Depth: 0-3'

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		12/09/25 09:00	12/09/25 11:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:00	12/09/25 11:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:00	12/09/25 11:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 09:00	12/09/25 11:03	1
o-Xylene	**0.00299**		0.00200		mg/Kg		12/09/25 09:00	12/09/25 11:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 09:00	12/09/25 11:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*12/09/25 09:00*	*12/09/25 11:03*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*12/09/25 09:00*	*12/09/25 11:03*	*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			12/09/25 11:03	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			12/09/25 20:34	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	<49.9	U	49.9		mg/Kg		12/08/25 19:44	12/09/25 20:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 19:44	12/09/25 20:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 19:44	12/09/25 20:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*149*	*S1+*	*70 - 130*	*12/08/25 19:44*	*12/09/25 20:34*	*1*
o-Terphenyl	*130*		*70 - 130*	*12/08/25 19:44*	*12/09/25 20:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**287**		9.92		mg/Kg			12/09/25 18:05	1

Client Sample ID: WS - 16

Lab Sample ID: 890-9182-2
Matrix: Solid
Date Collected: 12/02/25 16:25
Date Received: 12/08/25 09:06
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		12/09/25 09:00	12/09/25 11:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:00	12/09/25 11:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:00	12/09/25 11:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 09:00	12/09/25 11:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:00	12/09/25 11:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 09:00	12/09/25 11:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*12/09/25 09:00*	*12/09/25 11:23*	*1*

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9182-1
SDG: Lea County NM

Client Sample ID: WS - 16

Lab Sample ID: 890-9182-2
Matrix: Solid
Date Collected: 12/02/25 16:25
Date Received: 12/08/25 09:06
Sample Depth: 0-2'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*12/09/25 09:00*	*12/09/25 11:23*	*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			12/09/25 11:23	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			12/09/25 21:02	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	<50.0	U	50.0		mg/Kg		12/08/25 19:44	12/09/25 21:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 19:44	12/09/25 21:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 19:44	12/09/25 21:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*138*	*S1+*	*70 - 130*	*12/08/25 19:44*	*12/09/25 21:02*	*1*
o-Terphenyl	*127*		*70 - 130*	*12/08/25 19:44*	*12/09/25 21:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**116**		9.98		mg/Kg			12/09/25 18:22	1

Client Sample ID: WS - 17

Lab Sample ID: 890-9182-3
Matrix: Solid
Date Collected: 12/02/25 16:30
Date Received: 12/08/25 09:06
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		12/09/25 09:00	12/09/25 11:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 09:00	12/09/25 11:44	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 09:00	12/09/25 11:44	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 09:00	12/09/25 11:44	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/25 09:00	12/09/25 11:44	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 09:00	12/09/25 11:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*12/09/25 09:00*	*12/09/25 11:44*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/09/25 09:00*	*12/09/25 11:44*	*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			12/09/25 11:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/09/25 21:17	1

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Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9182-1
SDG: Lea County NM

Client Sample ID: WS - 17

Lab Sample ID: 890-9182-3
Matrix: Solid
Date Collected: 12/02/25 16:30
Date Received: 12/08/25 09:06
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	<49.8	U	49.8		mg/Kg		12/08/25 19:44	12/09/25 21:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/08/25 19:44	12/09/25 21:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/08/25 19:44	12/09/25 21:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*144*	*S1+*	*70 - 130*	*12/08/25 19:44*	*12/09/25 21:17*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*12/08/25 19:44*	*12/09/25 21:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**43.8**		9.96		mg/Kg			12/09/25 18:28	1

Client Sample ID: WS - 18

Lab Sample ID: 890-9182-4
Matrix: Solid
Date Collected: 12/02/25 16:35
Date Received: 12/08/25 09:06
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		12/09/25 09:00	12/09/25 12:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 09:00	12/09/25 12:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/25 09:00	12/09/25 12:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 09:00	12/09/25 12:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/25 09:00	12/09/25 12:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 09:00	12/09/25 12:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*12/09/25 09:00*	*12/09/25 12:04*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*12/09/25 09:00*	*12/09/25 12:04*	*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			12/09/25 12:04	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			12/09/25 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		12/08/25 19:44	12/09/25 21:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 19:44	12/09/25 21:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 19:44	12/09/25 21:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*141*	*S1+*	*70 - 130*	*12/08/25 19:44*	*12/09/25 21:31*	*1*
o-Terphenyl	*128*		*70 - 130*	*12/08/25 19:44*	*12/09/25 21:31*	*1*

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9182-1
SDG: Lea County NM

Client Sample ID: WS - 18

Lab Sample ID: 890-9182-4
Matrix: Solid
Date Collected: 12/02/25 16:35
Date Received: 12/08/25 09:06
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	176		9.92		mg/Kg			12/09/25 18:33	1

Client Sample ID: CS - 01

Lab Sample ID: 890-9182-5
Matrix: Solid
Date Collected: 12/01/25 15:50
Date Received: 12/08/25 09:06
Sample Depth: 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		12/09/25 09:00	12/09/25 12:25	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/09/25 09:00	12/09/25 12:25	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/09/25 09:00	12/09/25 12:25	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/09/25 09:00	12/09/25 12:25	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/09/25 09:00	12/09/25 12:25	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/09/25 09:00	12/09/25 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*12/09/25 09:00*	*12/09/25 12:25*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*12/09/25 09:00*	*12/09/25 12:25*	*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			12/09/25 12:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/25 21:45	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		12/08/25 19:44	12/09/25 21:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 19:44	12/09/25 21:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 19:44	12/09/25 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*144*	*S1+*	*70 - 130*	*12/08/25 19:44*	*12/09/25 21:45*	*1*
o-Terphenyl	*125*		*70 - 130*	*12/08/25 19:44*	*12/09/25 21:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	133		10.0		mg/Kg			12/09/25 18:39	1

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9182-1
SDG: Lea County NM

Client Sample ID: CS - 01

Lab Sample ID: 890-9182-6
Matrix: Solid
Date Collected: 12/01/25 15:55
Date Received: 12/08/25 09:06
Sample Depth: 1.5'

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		12/09/25 09:00	12/09/25 12:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:00	12/09/25 12:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:00	12/09/25 12:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 09:00	12/09/25 12:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:00	12/09/25 12:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 09:00	12/09/25 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*12/09/25 09:00*	*12/09/25 12:45*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*12/09/25 09:00*	*12/09/25 12:45*	*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			12/09/25 12:45	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			12/09/25 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		12/08/25 19:44	12/09/25 21:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 19:44	12/09/25 21:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 19:44	12/09/25 21:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*140*	*S1+*	*70 - 130*	*12/08/25 19:44*	*12/09/25 21:59*	*1*
o-Terphenyl	*127*		*70 - 130*	*12/08/25 19:44*	*12/09/25 21:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**232**		9.94		mg/Kg			12/09/25 18:56	1

Client Sample ID: CS - 02

Lab Sample ID: 890-9182-7
Matrix: Solid
Date Collected: 12/01/25 16:00
Date Received: 12/08/25 09:06
Sample Depth: 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		12/09/25 09:00	12/09/25 13:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 09:00	12/09/25 13:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 09:00	12/09/25 13:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 09:00	12/09/25 13:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/25 09:00	12/09/25 13:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 09:00	12/09/25 13:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*12/09/25 09:00*	*12/09/25 13:06*	*1*

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Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9182-1
SDG: Lea County NM

Client Sample ID: CS - 02

Lab Sample ID: 890-9182-7
Matrix: Solid
Date Collected: 12/01/25 16:00
Date Received: 12/08/25 09:06
Sample Depth: 0.5'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*12/09/25 09:00*	*12/09/25 13:06*	*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			12/09/25 13:06	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			12/09/25 22:14	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	<49.9	U	49.9		mg/Kg		12/08/25 19:44	12/09/25 22:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 19:44	12/09/25 22:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 19:44	12/09/25 22:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*142*	*S1+*	*70 - 130*	*12/08/25 19:44*	*12/09/25 22:14*	*1*
o-Terphenyl	*128*		*70 - 130*	*12/08/25 19:44*	*12/09/25 22:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**156**		9.96		mg/Kg			12/09/25 19:02	1

Client Sample ID: CS - 02

Lab Sample ID: 890-9182-8
Matrix: Solid
Date Collected: 12/01/25 16:05
Date Received: 12/08/25 09:06
Sample Depth: 1.5'

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		12/09/25 09:00	12/09/25 13:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 09:00	12/09/25 13:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/25 09:00	12/09/25 13:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 09:00	12/09/25 13:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/25 09:00	12/09/25 13:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 09:00	12/09/25 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*12/09/25 09:00*	*12/09/25 13:26*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*12/09/25 09:00*	*12/09/25 13:26*	*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			12/09/25 13:26	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			12/09/25 22:28	1

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Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9182-1
SDG: Lea County NM

Client Sample ID: CS - 02

Date Collected: 12/01/25 16:05
Date Received: 12/08/25 09:06
Sample Depth: 1.5'

Lab Sample ID: 890-9182-8

Matrix: Solid

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		12/08/25 19:44	12/09/25 22:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 19:44	12/09/25 22:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 19:44	12/09/25 22:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*142*	*S1+*	*70 - 130*	*12/08/25 19:44*	*12/09/25 22:28*	*1*
o-Terphenyl	*130*		*70 - 130*	*12/08/25 19:44*	*12/09/25 22:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**55.0**		9.92		mg/Kg			12/09/25 19:07	1

Surrogate Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9182-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-9182-1	WS - 15	100	91
890-9182-1 MS	WS - 15	103	102
890-9182-1 MSD	WS - 15	108	106
890-9182-2	WS - 16	103	104
890-9182-3	WS - 17	108	99
890-9182-4	WS - 18	101	94
890-9182-5	CS - 01	105	96
890-9182-6	CS - 01	110	98
890-9182-7	CS - 02	102	94
890-9182-8	CS - 02	107	93
LCS 880-126039/1-A	Lab Control Sample	102	106
LCSD 880-126039/2-A	Lab Control Sample Dup	99	103
MB 880-126039/5-A	Method Blank	112	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**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-9182-1	WS - 15	149 S1+	130
890-9182-2	WS - 16	138 S1+	127
890-9182-3	WS - 17	144 S1+	132 S1+
890-9182-4	WS - 18	141 S1+	128
890-9182-5	CS - 01	144 S1+	125
890-9182-6	CS - 01	140 S1+	127
890-9182-7	CS - 02	142 S1+	128
890-9182-8	CS - 02	142 S1+	130
LCS 880-126018/2-A	Lab Control Sample	169 S1+	135 S1+
LCSD 880-126018/3-A	Lab Control Sample Dup	178 S1+	141 S1+
MB 880-126018/1-A	Method Blank	131 S1+	112

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9182-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-126039/5-A
Matrix: Solid
Analysis Batch: 126035

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126039

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:00	12/09/25 10:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:00	12/09/25 10:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:00	12/09/25 10:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 09:00	12/09/25 10:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:00	12/09/25 10:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 09:00	12/09/25 10:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*12/09/25 09:00*	*12/09/25 10:41*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*12/09/25 09:00*	*12/09/25 10:41*	*1*

Lab Sample ID: LCS 880-126039/1-A
Matrix: Solid
Analysis Batch: 126035

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126039

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1071		mg/Kg		107	70 - 130
Toluene	0.100	0.09967		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.09975		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.1914		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09702		mg/Kg		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 880-126039/2-A
Matrix: Solid
Analysis Batch: 126035

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126039

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09690		mg/Kg		97	70 - 130	10	35
Toluene	0.100	0.09062		mg/Kg		91	70 - 130	10	35
Ethylbenzene	0.100	0.09362		mg/Kg		94	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1752		mg/Kg		88	70 - 130	9	35
o-Xylene	0.100	0.08723		mg/Kg		87	70 - 130	11	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 890-9182-1 MS
Matrix: Solid
Analysis Batch: 126035

Client Sample ID: WS - 15
Prep Type: Total/NA
Prep Batch: 126039

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1020		mg/Kg		102	70 - 130
Toluene	<0.00200	U	0.100	0.09604		mg/Kg		96	70 - 130

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9182-1
SDG: Lea County NM

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

Lab Sample ID: 890-9182-1 MS
Matrix: Solid
Analysis Batch: 126035

Client Sample ID: WS - 15
Prep Type: Total/NA
Prep Batch: 126039

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09907		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1877		mg/Kg		94	70 - 130
o-Xylene	0.00299		0.100	0.08981		mg/Kg		87	70 - 130

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

Lab Sample ID: 890-9182-1 MSD
Matrix: Solid
Analysis Batch: 126035

Client Sample ID: WS - 15
Prep Type: Total/NA
Prep Batch: 126039

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	0.09824		mg/Kg		98	70 - 130	4	35
Toluene	<0.00200	U	0.100	0.09073		mg/Kg		91	70 - 130	6	35
Ethylbenzene	<0.00200	U	0.100	0.09545		mg/Kg		95	70 - 130	4	35
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1775		mg/Kg		89	70 - 130	6	35
o-Xylene	0.00299		0.100	0.08649		mg/Kg		83	70 - 130	4	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

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

Lab Sample ID: MB 880-126018/1-A
Matrix: Solid
Analysis Batch: 126037

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126018

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		12/08/25 19:44	12/09/25 17:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 19:44	12/09/25 17:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 19:44	12/09/25 17:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*12/08/25 19:44*	*12/09/25 17:00*	*1*
o-Terphenyl	*112*		*70 - 130*	*12/08/25 19:44*	*12/09/25 17:00*	*1*

Lab Sample ID: LCS 880-126018/2-A
Matrix: Solid
Analysis Batch: 126037

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126018

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	903.8		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1145		mg/Kg		115	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9182-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-126018/2-A
Matrix: Solid
Analysis Batch: 126037

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126018

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	169	S1+	70 - 130
o-Terphenyl	135	S1+	70 - 130

Lab Sample ID: LCSD 880-126018/3-A
Matrix: Solid
Analysis Batch: 126037

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126018

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	956.2		mg/Kg		96	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	1204		mg/Kg		120	70 - 130	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	178	S1+	70 - 130
o-Terphenyl	141	S1+	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-125954/1-A
Matrix: Solid
Analysis Batch: 126057

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			12/09/25 17:48	1

Lab Sample ID: LCS 880-125954/2-A
Matrix: Solid
Analysis Batch: 126057

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	266.6		mg/Kg		107	90 - 110		

Lab Sample ID: LCSD 880-125954/3-A
Matrix: Solid
Analysis Batch: 126057

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	268.6		mg/Kg		107	90 - 110	1	20

Lab Sample ID: 890-9182-1 MS
Matrix: Solid
Analysis Batch: 126057

Client Sample ID: WS - 15
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	287		248	540.6		mg/Kg		102	90 - 110		

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9182-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-9182-1 MSD
Matrix: Solid
Analysis Batch: 126057

Client Sample ID: WS - 15
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	287		248	543.1		mg/Kg		103	90 - 110	0	20

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9182-1
SDG: Lea County NM

GC VOA

Analysis Batch: 126035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9182-1	WS - 15	Total/NA	Solid	8021B	126039
890-9182-2	WS - 16	Total/NA	Solid	8021B	126039
890-9182-3	WS - 17	Total/NA	Solid	8021B	126039
890-9182-4	WS - 18	Total/NA	Solid	8021B	126039
890-9182-5	CS - 01	Total/NA	Solid	8021B	126039
890-9182-6	CS - 01	Total/NA	Solid	8021B	126039
890-9182-7	CS - 02	Total/NA	Solid	8021B	126039
890-9182-8	CS - 02	Total/NA	Solid	8021B	126039
MB 880-126039/5-A	Method Blank	Total/NA	Solid	8021B	126039
LCS 880-126039/1-A	Lab Control Sample	Total/NA	Solid	8021B	126039
LCSD 880-126039/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126039
890-9182-1 MS	WS - 15	Total/NA	Solid	8021B	126039
890-9182-1 MSD	WS - 15	Total/NA	Solid	8021B	126039

Prep Batch: 126039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9182-1	WS - 15	Total/NA	Solid	5035	
890-9182-2	WS - 16	Total/NA	Solid	5035	
890-9182-3	WS - 17	Total/NA	Solid	5035	
890-9182-4	WS - 18	Total/NA	Solid	5035	
890-9182-5	CS - 01	Total/NA	Solid	5035	
890-9182-6	CS - 01	Total/NA	Solid	5035	
890-9182-7	CS - 02	Total/NA	Solid	5035	
890-9182-8	CS - 02	Total/NA	Solid	5035	
MB 880-126039/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126039/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-126039/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9182-1 MS	WS - 15	Total/NA	Solid	5035	
890-9182-1 MSD	WS - 15	Total/NA	Solid	5035	

Analysis Batch: 126139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9182-1	WS - 15	Total/NA	Solid	Total BTEX	
890-9182-2	WS - 16	Total/NA	Solid	Total BTEX	
890-9182-3	WS - 17	Total/NA	Solid	Total BTEX	
890-9182-4	WS - 18	Total/NA	Solid	Total BTEX	
890-9182-5	CS - 01	Total/NA	Solid	Total BTEX	
890-9182-6	CS - 01	Total/NA	Solid	Total BTEX	
890-9182-7	CS - 02	Total/NA	Solid	Total BTEX	
890-9182-8	CS - 02	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 126018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9182-1	WS - 15	Total/NA	Solid	8015NM Prep	
890-9182-2	WS - 16	Total/NA	Solid	8015NM Prep	
890-9182-3	WS - 17	Total/NA	Solid	8015NM Prep	
890-9182-4	WS - 18	Total/NA	Solid	8015NM Prep	
890-9182-5	CS - 01	Total/NA	Solid	8015NM Prep	
890-9182-6	CS - 01	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9182-1
SDG: Lea County NM

GC Semi VOA (Continued)

Prep Batch: 126018 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9182-7	CS - 02	Total/NA	Solid	8015NM Prep	
890-9182-8	CS - 02	Total/NA	Solid	8015NM Prep	
MB 880-126018/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126018/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126018/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 126037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9182-1	WS - 15	Total/NA	Solid	8015B NM	126018
890-9182-2	WS - 16	Total/NA	Solid	8015B NM	126018
890-9182-3	WS - 17	Total/NA	Solid	8015B NM	126018
890-9182-4	WS - 18	Total/NA	Solid	8015B NM	126018
890-9182-5	CS - 01	Total/NA	Solid	8015B NM	126018
890-9182-6	CS - 01	Total/NA	Solid	8015B NM	126018
890-9182-7	CS - 02	Total/NA	Solid	8015B NM	126018
890-9182-8	CS - 02	Total/NA	Solid	8015B NM	126018
MB 880-126018/1-A	Method Blank	Total/NA	Solid	8015B NM	126018
LCS 880-126018/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126018
LCSD 880-126018/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126018

Analysis Batch: 126230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9182-1	WS - 15	Total/NA	Solid	8015 NM	
890-9182-2	WS - 16	Total/NA	Solid	8015 NM	
890-9182-3	WS - 17	Total/NA	Solid	8015 NM	
890-9182-4	WS - 18	Total/NA	Solid	8015 NM	
890-9182-5	CS - 01	Total/NA	Solid	8015 NM	
890-9182-6	CS - 01	Total/NA	Solid	8015 NM	
890-9182-7	CS - 02	Total/NA	Solid	8015 NM	
890-9182-8	CS - 02	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 125954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9182-1	WS - 15	Soluble	Solid	DI Leach	
890-9182-2	WS - 16	Soluble	Solid	DI Leach	
890-9182-3	WS - 17	Soluble	Solid	DI Leach	
890-9182-4	WS - 18	Soluble	Solid	DI Leach	
890-9182-5	CS - 01	Soluble	Solid	DI Leach	
890-9182-6	CS - 01	Soluble	Solid	DI Leach	
890-9182-7	CS - 02	Soluble	Solid	DI Leach	
890-9182-8	CS - 02	Soluble	Solid	DI Leach	
MB 880-125954/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-125954/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-125954/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9182-1 MS	WS - 15	Soluble	Solid	DI Leach	
890-9182-1 MSD	WS - 15	Soluble	Solid	DI Leach	

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9182-1
SDG: Lea County NM

HPLC/IC

Analysis Batch: 126057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9182-1	WS - 15	Soluble	Solid	300.0	125954
890-9182-2	WS - 16	Soluble	Solid	300.0	125954
890-9182-3	WS - 17	Soluble	Solid	300.0	125954
890-9182-4	WS - 18	Soluble	Solid	300.0	125954
890-9182-5	CS - 01	Soluble	Solid	300.0	125954
890-9182-6	CS - 01	Soluble	Solid	300.0	125954
890-9182-7	CS - 02	Soluble	Solid	300.0	125954
890-9182-8	CS - 02	Soluble	Solid	300.0	125954
MB 880-125954/1-A	Method Blank	Soluble	Solid	300.0	125954
LCS 880-125954/2-A	Lab Control Sample	Soluble	Solid	300.0	125954
LCSD 880-125954/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	125954
890-9182-1 MS	WS - 15	Soluble	Solid	300.0	125954
890-9182-1 MSD	WS - 15	Soluble	Solid	300.0	125954

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9182-1
SDG: Lea County NM

Client Sample ID: WS - 15

Date Collected: 12/02/25 16:20
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9182-1
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			5.00 g	5 mL	126039	12/09/25 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126035	12/09/25 11:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126139	12/09/25 11:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			126230	12/09/25 20:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126018	12/08/25 19:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 20:34	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125954	12/08/25 14:34	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126057	12/09/25 18:05	CS	EET MID

Client Sample ID: WS - 16

Date Collected: 12/02/25 16:25
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9182-2
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			5.01 g	5 mL	126039	12/09/25 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126035	12/09/25 11:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126139	12/09/25 11:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			126230	12/09/25 21:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126018	12/08/25 19:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 21:02	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	125954	12/08/25 14:34	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126057	12/09/25 18:22	CS	EET MID

Client Sample ID: WS - 17

Date Collected: 12/02/25 16:30
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9182-3
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			4.98 g	5 mL	126039	12/09/25 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126035	12/09/25 11:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126139	12/09/25 11:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			126230	12/09/25 21:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126018	12/08/25 19:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 21:17	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	125954	12/08/25 14:34	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126057	12/09/25 18:28	CS	EET MID

Client Sample ID: WS - 18

Date Collected: 12/02/25 16:35
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9182-4
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			5.03 g	5 mL	126039	12/09/25 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126035	12/09/25 12:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126139	12/09/25 12:04	SA	EET MID

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9182-1
SDG: Lea County NM

Client Sample ID: WS - 18
Date Collected: 12/02/25 16:35
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9182-4
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			126230	12/09/25 21:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126018	12/08/25 19:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 21:31	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125954	12/08/25 14:34	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126057	12/09/25 18:33	CS	EET MID

Client Sample ID: CS - 01
Date Collected: 12/01/25 15:50
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9182-5
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			5.05 g	5 mL	126039	12/09/25 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126035	12/09/25 12:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126139	12/09/25 12:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			126230	12/09/25 21:45	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126018	12/08/25 19:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 21:45	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	125954	12/08/25 14:34	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126057	12/09/25 18:39	CS	EET MID

Client Sample ID: CS - 01
Date Collected: 12/01/25 15:55
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9182-6
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			5.01 g	5 mL	126039	12/09/25 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126035	12/09/25 12:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126139	12/09/25 12:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			126230	12/09/25 21:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126018	12/08/25 19:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 21:59	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	125954	12/08/25 14:34	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126057	12/09/25 18:56	CS	EET MID

Client Sample ID: CS - 02
Date Collected: 12/01/25 16:00
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9182-7
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			4.98 g	5 mL	126039	12/09/25 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126035	12/09/25 13:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126139	12/09/25 13:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			126230	12/09/25 22:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126018	12/08/25 19:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 22:14	FC	EET MID

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9182-1
SDG: Lea County NM

Client Sample ID: CS - 02

Date Collected: 12/01/25 16:00
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9182-7

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	50 mL	125954	12/08/25 14:34	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126057	12/09/25 19:02	CS	EET MID

Client Sample ID: CS - 02

Date Collected: 12/01/25 16:05
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9182-8

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			5.03 g	5 mL	126039	12/09/25 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126035	12/09/25 13:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126139	12/09/25 13:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			126230	12/09/25 22:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126018	12/08/25 19:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 22:28	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125954	12/08/25 14:34	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126057	12/09/25 19:07	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9182-1
SDG: Lea 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	06-30-26

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: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9182-1
SDG: Lea 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: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9182-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9182-1	WS - 15	Solid	12/02/25 16:20	12/08/25 09:06	0-3'
890-9182-2	WS - 16	Solid	12/02/25 16:25	12/08/25 09:06	0-2'
890-9182-3	WS - 17	Solid	12/02/25 16:30	12/08/25 09:06	0-0.5'
890-9182-4	WS - 18	Solid	12/02/25 16:35	12/08/25 09:06	0-0.5'
890-9182-5	CS - 01	Solid	12/01/25 15:50	12/08/25 09:06	0.5'
890-9182-6	CS - 01	Solid	12/01/25 15:55	12/08/25 09:06	1.5'
890-9182-7	CS - 02	Solid	12/01/25 16:00	12/08/25 09:06	0.5'
890-9182-8	CS - 02	Solid	12/01/25 16:05	12/08/25 09:06	1.5'

Released to Imaging: 5/6/2026 10:32:00 AM
Received by OCD: 4/9/2026 12:41:38 PM

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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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Dimitry Nikanorov	Bill to: (if different)	
Company Name:	McNabb Partners	Company Name:	
Address:	5014 W Carlsbad Hwy	Address:	
City, State ZIP:	Hobbs, NM 882240	City, State ZIP:	
Phone:	Dimitry Nikanorov	Email:	

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:	MorningStar Casa State 001	Turn Around	
Project Number:		☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	48 hrs
Sampler's Name:	Dimitry Nikanorov	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	T-Nitro
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-2.2
Total Containers:		Corrected Temperature:	-2.0

ANALYSIS REQUEST

890-9182 Chain of Custody

Preservative Codes

None: NO DI Water: H_2O
ool: Cool MeOH: Me
CL: HC HNO_3: HN
$_2SO_4$: H_2 NaOH: Na
$_3PO_4$: HP
aHSO$_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX (8021B)	TPH (8015M GRO+DRO+ORO)	Chloride (EPA 300.0)	Sample Comments
WS-15	0-3'	12/2/2025	16:20	X		Comp	1	X	X	X	
WS-16	0-2'	12/2/2025	16:25	X		Comp	1	X	X	X	
WS-17	0-0.5'	12/2/2025	16:30	X		Comp	1	X	X	X	
WS-18	0-0.5'	12/2/2025	16:35	X		Comp	1	X	X	X	
CS-01	0.5	12/1/2025	15:50	X		Grab	1	X	X	X	
CS-01	1.5	12/1/2025	15:55	X		Grab	1	X	X	X	
CS-02	0.5	12/1/2025	16:00	X		Grab	1	X	X	X	
CS-02	1.5	12/1/2025	16:05	X		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 SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 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
1 DN	Susan	12.8.25	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: McNabb Partners

Job Number: 890-9182-1
SDG Number: Lea County NM

Login Number: 9182
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: McNabb Partners

Job Number: 890-9182-1
SDG Number: Lea County NM

Login Number: 9182
List Number: 2
Creator: Vasquez, Julisa

List Source: Eurofins Midland
List Creation: 12/09/25 09:01 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	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Dimitry Nikanorov
McNabb Partners
5014 W Carlsbad Hwy
Hobbs, New Mexico 88240

Generated 12/10/2025 12:43:43 PM

JOB DESCRIPTION

MorningStar Casa State 001
Lea County NM

JOB NUMBER

890-9183-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 5/6/2026 10:32:00 AM

my EOL

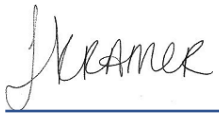
Eurofins Carlsbad

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
12/10/2025 12:43:43 PM

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

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Definitions/Glossary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9183-1
SDG: Lea County NM

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
S1+	Surrogate recovery exceeds control limits, high biased.
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: McNabb Partners
Project: MorningStar Casa State 001

Job ID: 890-9183-1

Job ID: 890-9183-1 Eurofins Carlsbad

Job Narrative
890-9183-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 12/8/2025 9:06 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.0°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: BS-41 (890-9183-1), BS-42 (890-9183-2), BS-43 (890-9183-3), BS-44 (890-9183-4), BS-45 (890-9183-5), BS-46 (890-9183-6), BS-47 (890-9183-7), BS-48 (890-9183-8), BS-49 (890-9183-9) and BS-50 (890-9183-10).

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: BS-48 (890-9183-8). Evidence of matrix interferences is not obvious.

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: BS-42 (890-9183-2), BS-43 (890-9183-3) and (880-65875-A-4-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-126018/2-A), (LCSD 880-126018/3-A), (880-65875-A-4-B MS) and (880-65875-A-4-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BS-41 (890-9183-1) and (MB 880-126018/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: BS-47 (890-9183-7). Evidence of matrix interferences is not obvious.

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 for preparation batch 880-125954 and analytical batch 880-126057 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.

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9183-1
SDG: Lea County NM

Client Sample ID: BS-41

Lab Sample ID: 890-9183-1
Matrix: Solid
Date Collected: 12/02/25 11:20
Date Received: 12/08/25 09:06
Sample Depth: 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		12/09/25 12:50	12/09/25 23:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 12:50	12/09/25 23:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 12:50	12/09/25 23:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 12:50	12/09/25 23:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 12:50	12/09/25 23:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 12:50	12/09/25 23:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*12/09/25 12:50*	*12/09/25 23:30*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*12/09/25 12:50*	*12/09/25 23:30*	*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			12/09/25 23:30	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			12/09/25 22:42	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		12/08/25 19:44	12/09/25 22:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/08/25 19:44	12/09/25 22:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/08/25 19:44	12/09/25 22:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*136*	*S1+*	*70 - 130*	*12/08/25 19:44*	*12/09/25 22:42*	*1*
o-Terphenyl	*129*		*70 - 130*	*12/08/25 19:44*	*12/09/25 22:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**241**		9.90		mg/Kg			12/09/25 19:13	1

Client Sample ID: BS-42

Lab Sample ID: 890-9183-2
Matrix: Solid
Date Collected: 12/02/25 11:25
Date Received: 12/08/25 09:06
Sample Depth: 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		12/09/25 12:50	12/09/25 23:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 12:50	12/09/25 23:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 12:50	12/09/25 23:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 12:50	12/09/25 23:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 12:50	12/09/25 23:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 12:50	12/09/25 23:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*12/09/25 12:50*	*12/09/25 23:50*	*1*

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Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9183-1
SDG: Lea County NM

Client Sample ID: BS-42

Lab Sample ID: 890-9183-2
Matrix: Solid
Date Collected: 12/02/25 11:25
Date Received: 12/08/25 09:06
Sample Depth: 5'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*12/09/25 12:50*	*12/09/25 23:50*	*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			12/09/25 23:50	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			12/09/25 22:57	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	<50.0	U	50.0		mg/Kg		12/08/25 19:44	12/09/25 22:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 19:44	12/09/25 22:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 19:44	12/09/25 22:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*146*	*S1+*	*70 - 130*	*12/08/25 19:44*	*12/09/25 22:57*	*1*
o-Terphenyl	*131*	*S1+*	*70 - 130*	*12/08/25 19:44*	*12/09/25 22:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.0**		9.90		mg/Kg			12/09/25 19:19	1

Client Sample ID: BS-43

Lab Sample ID: 890-9183-3
Matrix: Solid
Date Collected: 12/02/25 11:30
Date Received: 12/08/25 09:06
Sample Depth: 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		12/09/25 12:50	12/10/25 00:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 12:50	12/10/25 00:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 12:50	12/10/25 00:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 12:50	12/10/25 00:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/25 12:50	12/10/25 00:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 12:50	12/10/25 00:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*12/09/25 12:50*	*12/10/25 00:11*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*12/09/25 12:50*	*12/10/25 00:11*	*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			12/10/25 00:11	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			12/09/25 23:11	1

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Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9183-1
SDG: Lea County NM

Client Sample ID: BS-43

Lab Sample ID: 890-9183-3
Matrix: Solid
Date Collected: 12/02/25 11:30
Date Received: 12/08/25 09:06
Sample Depth: 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	<50.1	U	50.1		mg/Kg		12/08/25 19:44	12/09/25 23:11	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/08/25 19:44	12/09/25 23:11	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/08/25 19:44	12/09/25 23:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*146*	*S1+*	*70 - 130*	*12/08/25 19:44*	*12/09/25 23:11*	*1*
o-Terphenyl	*131*	*S1+*	*70 - 130*	*12/08/25 19:44*	*12/09/25 23:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**146**	**F1**	9.92		mg/Kg			12/09/25 19:24	1

Client Sample ID: BS-44

Lab Sample ID: 890-9183-4
Matrix: Solid
Date Collected: 12/02/25 11:35
Date Received: 12/08/25 09:06
Sample Depth: 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		12/09/25 12:50	12/10/25 00:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 12:50	12/10/25 00:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/25 12:50	12/10/25 00:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 12:50	12/10/25 00:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/25 12:50	12/10/25 00:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 12:50	12/10/25 00:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*12/09/25 12:50*	*12/10/25 00:31*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*12/09/25 12:50*	*12/10/25 00:31*	*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			12/10/25 00:31	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			12/09/25 17:58	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		12/08/25 20:10	12/09/25 17:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:10	12/09/25 17:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:10	12/09/25 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*12/08/25 20:10*	*12/09/25 17:58*	*1*
o-Terphenyl	*115*		*70 - 130*	*12/08/25 20:10*	*12/09/25 17:58*	*1*

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9183-1
SDG: Lea County NM

Client Sample ID: BS-44

Lab Sample ID: 890-9183-4
Matrix: Solid
Date Collected: 12/02/25 11:35
Date Received: 12/08/25 09:06
Sample Depth: 5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	168		10.1		mg/Kg			12/09/25 19:41	1

Client Sample ID: BS-45

Lab Sample ID: 890-9183-5
Matrix: Solid
Date Collected: 12/02/25 11:40
Date Received: 12/08/25 09:06
Sample Depth: 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		12/09/25 12:50	12/10/25 00:52	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/09/25 12:50	12/10/25 00:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/09/25 12:50	12/10/25 00:52	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/09/25 12:50	12/10/25 00:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/09/25 12:50	12/10/25 00:52	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/09/25 12:50	12/10/25 00:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*12/09/25 12:50*	*12/10/25 00:52*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*12/09/25 12:50*	*12/10/25 00:52*	*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			12/10/25 00:52	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			12/09/25 18:41	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		12/08/25 20:10	12/09/25 18:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 20:10	12/09/25 18:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 20:10	12/09/25 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*12/08/25 20:10*	*12/09/25 18:41*	*1*
o-Terphenyl	*119*		*70 - 130*	*12/08/25 20:10*	*12/09/25 18:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.0		9.94		mg/Kg			12/09/25 19:47	1

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9183-1
SDG: Lea County NM

Client Sample ID: BS-46

Lab Sample ID: 890-9183-6
Matrix: Solid
Date Collected: 12/02/25 11:45
Date Received: 12/08/25 09:06
Sample Depth: 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		12/09/25 12:50	12/10/25 01:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 12:50	12/10/25 01:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 12:50	12/10/25 01:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 12:50	12/10/25 01:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 12:50	12/10/25 01:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 12:50	12/10/25 01:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*12/09/25 12:50*	*12/10/25 01:12*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*12/09/25 12:50*	*12/10/25 01:12*	*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			12/10/25 01:12	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			12/09/25 18:54	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	<50.0	U	50.0		mg/Kg		12/08/25 20:10	12/09/25 18:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:10	12/09/25 18:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:10	12/09/25 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*12/08/25 20:10*	*12/09/25 18:54*	*1*
o-Terphenyl	*124*		*70 - 130*	*12/08/25 20:10*	*12/09/25 18:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**165**		9.98		mg/Kg			12/09/25 20:04	1

Client Sample ID: BS-47

Lab Sample ID: 890-9183-7
Matrix: Solid
Date Collected: 12/02/25 11:50
Date Received: 12/08/25 09:06
Sample Depth: 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		12/09/25 12:50	12/10/25 01:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 12:50	12/10/25 01:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 12:50	12/10/25 01:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 12:50	12/10/25 01:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/25 12:50	12/10/25 01:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 12:50	12/10/25 01:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*12/09/25 12:50*	*12/10/25 01:33*	*1*

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Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9183-1
SDG: Lea County NM

Client Sample ID: BS-47

Lab Sample ID: 890-9183-7
Matrix: Solid
Date Collected: 12/02/25 11:50
Date Received: 12/08/25 09:06
Sample Depth: 5'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*12/09/25 12:50*	*12/10/25 01:33*	*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			12/10/25 01:33	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			12/09/25 19:10	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		12/08/25 20:10	12/09/25 19:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 20:10	12/09/25 19:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 20:10	12/09/25 19:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*12/08/25 20:10*	*12/09/25 19:10*	*1*
o-Terphenyl	*136*	*S1+*	*70 - 130*	*12/08/25 20:10*	*12/09/25 19:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**315**		9.96		mg/Kg			12/09/25 20:09	1

Client Sample ID: BS-48

Lab Sample ID: 890-9183-8
Matrix: Solid
Date Collected: 12/02/25 11:55
Date Received: 12/08/25 09:06
Sample Depth: 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		12/09/25 12:50	12/10/25 01:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 12:50	12/10/25 01:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/25 12:50	12/10/25 01:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 12:50	12/10/25 01:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/25 12:50	12/10/25 01:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 12:50	12/10/25 01:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*61*	*S1-*	*70 - 130*	*12/09/25 12:50*	*12/10/25 01:53*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*12/09/25 12:50*	*12/10/25 01:53*	*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			12/10/25 01:53	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			12/09/25 19:23	1

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Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9183-1
SDG: Lea County NM

Client Sample ID: BS-48

Lab Sample ID: 890-9183-8
Matrix: Solid
Date Collected: 12/02/25 11:55
Date Received: 12/08/25 09:06
Sample Depth: 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	<50.0	U	50.0		mg/Kg		12/08/25 20:10	12/09/25 19:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:10	12/09/25 19:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:10	12/09/25 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*12/08/25 20:10*	*12/09/25 19:23*	*1*
o-Terphenyl	*119*		*70 - 130*	*12/08/25 20:10*	*12/09/25 19:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**51.8**		9.92		mg/Kg			12/09/25 20:15	1

Client Sample ID: BS-49

Lab Sample ID: 890-9183-9
Matrix: Solid
Date Collected: 12/02/25 12:00
Date Received: 12/08/25 09:06
Sample Depth: 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		12/09/25 12:50	12/10/25 02:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 12:50	12/10/25 02:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 12:50	12/10/25 02:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 12:50	12/10/25 02:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 12:50	12/10/25 02:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 12:50	12/10/25 02:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*12/09/25 12:50*	*12/10/25 02:14*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*12/09/25 12:50*	*12/10/25 02:14*	*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			12/10/25 02:14	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			12/09/25 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	<49.8	U	49.8		mg/Kg		12/08/25 20:10	12/09/25 19:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/08/25 20:10	12/09/25 19:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/08/25 20:10	12/09/25 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*12/08/25 20:10*	*12/09/25 19:38*	*1*
o-Terphenyl	*123*		*70 - 130*	*12/08/25 20:10*	*12/09/25 19:38*	*1*

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9183-1
SDG: Lea County NM

Client Sample ID: BS-49

Lab Sample ID: 890-9183-9
Matrix: Solid
Date Collected: 12/02/25 12:00
Date Received: 12/08/25 09:06
Sample Depth: 5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	221		10.0		mg/Kg			12/09/25 20:21	1

Client Sample ID: BS-50

Lab Sample ID: 890-9183-10
Matrix: Solid
Date Collected: 12/02/25 12:05
Date Received: 12/08/25 09:06
Sample Depth: 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		12/09/25 12:50	12/10/25 02:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 12:50	12/10/25 02:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 12:50	12/10/25 02:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 12:50	12/10/25 02:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/25 12:50	12/10/25 02:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 12:50	12/10/25 02:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*12/09/25 12:50*	*12/10/25 02:34*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*12/09/25 12:50*	*12/10/25 02:34*	*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			12/10/25 02:34	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			12/09/25 19:51	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	<50.0	U	50.0		mg/Kg		12/08/25 20:10	12/09/25 19:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:10	12/09/25 19:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:10	12/09/25 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*12/08/25 20:10*	*12/09/25 19:51*	*1*
o-Terphenyl	*122*		*70 - 130*	*12/08/25 20:10*	*12/09/25 19:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	355		10.1		mg/Kg			12/09/25 20:26	1

Surrogate Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9183-1
SDG: Lea 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)
890-9183-1	BS-41	102	90
890-9183-1 MS	BS-41	97	89
890-9183-1 MSD	BS-41	102	89
890-9183-2	BS-42	107	92
890-9183-3	BS-43	95	90
890-9183-4	BS-44	101	90
890-9183-5	BS-45	99	89
890-9183-6	BS-46	104	94
890-9183-7	BS-47	100	89
890-9183-8	BS-48	61 S1-	84
890-9183-9	BS-49	108	92
890-9183-10	BS-50	94	90
LCS 880-126101/1-A	Lab Control Sample	94	94
LCSD 880-126101/2-A	Lab Control Sample Dup	95	92
MB 880-126058/5-A	Method Blank	100	83
MB 880-126101/5-A	Method Blank	101	87

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)
890-9183-1	BS-41	136 S1+	129
890-9183-2	BS-42	146 S1+	131 S1+
890-9183-3	BS-43	146 S1+	131 S1+
890-9183-4	BS-44	94	115
890-9183-4 MS	BS-44	122	125
890-9183-4 MSD	BS-44	121	127
890-9183-5	BS-45	97	119
890-9183-6	BS-46	95	124
890-9183-7	BS-47	106	136 S1+
890-9183-8	BS-48	97	119
890-9183-9	BS-49	101	123
890-9183-10	BS-50	93	122
LCS 880-126018/2-A	Lab Control Sample	169 S1+	135 S1+
LCS 880-126024/2-A	Lab Control Sample	123	124
LCSD 880-126018/3-A	Lab Control Sample Dup	178 S1+	141 S1+
LCSD 880-126024/3-A	Lab Control Sample Dup	121	119
MB 880-126018/1-A	Method Blank	131 S1+	112
MB 880-126024/1-A	Method Blank	96	107

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9183-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-126058/5-A
Matrix: Solid
Analysis Batch: 126036

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126058

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:08	12/09/25 12:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:08	12/09/25 12:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:08	12/09/25 12:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 10:08	12/09/25 12:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:08	12/09/25 12:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 10:08	12/09/25 12:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*12/09/25 10:08*	*12/09/25 12:00*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*12/09/25 10:08*	*12/09/25 12:00*	*1*

Lab Sample ID: MB 880-126101/5-A
Matrix: Solid
Analysis Batch: 126036

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126101

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 12:50	12/09/25 23:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 12:50	12/09/25 23:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 12:50	12/09/25 23:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 12:50	12/09/25 23:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 12:50	12/09/25 23:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 12:50	12/09/25 23:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*12/09/25 12:50*	*12/09/25 23:08*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*12/09/25 12:50*	*12/09/25 23:08*	*1*

Lab Sample ID: LCS 880-126101/1-A
Matrix: Solid
Analysis Batch: 126036

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126101

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1007		mg/Kg		101	70 - 130
Toluene	0.100	0.09562		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.09523		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1916		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09368		mg/Kg		94	70 - 130

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

Lab Sample ID: LCSD 880-126101/2-A
Matrix: Solid
Analysis Batch: 126036

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126101

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1018		mg/Kg		102	70 - 130	1	35

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9183-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-126101/2-A
Matrix: Solid
Analysis Batch: 126036

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126101

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09670		mg/Kg		97	70 - 130	1	35
Ethylbenzene			0.100	0.09439		mg/Kg		94	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.1921		mg/Kg		96	70 - 130	0	35
o-Xylene			0.100	0.09244		mg/Kg		92	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 890-9183-1 MS
Matrix: Solid
Analysis Batch: 126036

Client Sample ID: BS-41
Prep Type: Total/NA
Prep Batch: 126101

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.07871		mg/Kg		79	70 - 130
Toluene	<0.00200	U	0.100	0.08926		mg/Kg		89	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09070		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1774		mg/Kg		89	70 - 130
o-Xylene	<0.00200	U	0.100	0.08444		mg/Kg		84	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: 890-9183-1 MSD
Matrix: Solid
Analysis Batch: 126036

Client Sample ID: BS-41
Prep Type: Total/NA
Prep Batch: 126101

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	0.08470		mg/Kg		85	70 - 130	7	35
Toluene	<0.00200	U	0.100	0.09733		mg/Kg		97	70 - 130	9	35
Ethylbenzene	<0.00200	U	0.100	0.1032		mg/Kg		103	70 - 130	13	35
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2009		mg/Kg		100	70 - 130	12	35
o-Xylene	<0.00200	U	0.100	0.09641		mg/Kg		96	70 - 130	13	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

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

Lab Sample ID: MB 880-126018/1-A
Matrix: Solid
Analysis Batch: 126037

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126018

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		12/08/25 19:44	12/09/25 17:00	1

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9183-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-126018/1-A
Matrix: Solid
Analysis Batch: 126037

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126018

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		12/08/25 19:44	12/09/25 17:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 19:44	12/09/25 17:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*12/08/25 19:44*	*12/09/25 17:00*	*1*
o-Terphenyl	*112*		*70 - 130*	*12/08/25 19:44*	*12/09/25 17:00*	*1*

Lab Sample ID: LCS 880-126018/2-A
Matrix: Solid
Analysis Batch: 126037

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126018

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	903.8		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1145		mg/Kg		115	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*169*	*S1+*	*70 - 130*
o-Terphenyl	*135*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-126018/3-A
Matrix: Solid
Analysis Batch: 126037

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126018

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	956.2		mg/Kg		96	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	1204		mg/Kg		120	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*178*	*S1+*	*70 - 130*
o-Terphenyl	*141*	*S1+*	*70 - 130*

Lab Sample ID: MB 880-126024/1-A
Matrix: Solid
Analysis Batch: 126040

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126024

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		12/08/25 20:10	12/09/25 17:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:10	12/09/25 17:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:10	12/09/25 17:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*12/08/25 20:10*	*12/09/25 17:00*	*1*

Eurofins Carlsbad

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9183-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-126024/1-A
Matrix: Solid
Analysis Batch: 126040

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126024

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	107		70 - 130	12/08/25 20:10	12/09/25 17:00	1

Lab Sample ID: LCS 880-126024/2-A
Matrix: Solid
Analysis Batch: 126040

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126024

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	986.6		mg/Kg		99	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1230		mg/Kg		123	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	123		70 - 130
o-Terphenyl	124		70 - 130

Lab Sample ID: LCSD 880-126024/3-A
Matrix: Solid
Analysis Batch: 126040

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126024

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	865.9		mg/Kg		87	70 - 130	13	20
Diesel Range Organics (Over C10-C28)			1000	1118		mg/Kg		112	70 - 130	10	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	121		70 - 130
o-Terphenyl	119		70 - 130

Lab Sample ID: 890-9183-4 MS
Matrix: Solid
Analysis Batch: 126040

Client Sample ID: BS-44
Prep Type: Total/NA
Prep Batch: 126024

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	1000	749.0		mg/Kg		75	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	925.0		mg/Kg		92	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	122		70 - 130
o-Terphenyl	125		70 - 130

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9183-1
SDG: Lea County NM

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

Lab Sample ID: 890-9183-4 MSD
Matrix: Solid
Analysis Batch: 126040

Client Sample ID: BS-44
Prep Type: Total/NA
Prep Batch: 126024

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	1000	759.8		mg/Kg		76	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	945.6		mg/Kg		94	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*121*		*70 - 130*
o-Terphenyl	*127*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-125954/1-A
Matrix: Solid
Analysis Batch: 126057

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			12/09/25 17:48	1

Lab Sample ID: LCS 880-125954/2-A
Matrix: Solid
Analysis Batch: 126057

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	266.6		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-125954/3-A
Matrix: Solid
Analysis Batch: 126057

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	268.6		mg/Kg		107	90 - 110	1	20

Lab Sample ID: 890-9183-3 MS
Matrix: Solid
Analysis Batch: 126057

Client Sample ID: BS-43
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	146	F1	248	425.6	F1	mg/Kg		113	90 - 110

Lab Sample ID: 890-9183-3 MSD
Matrix: Solid
Analysis Batch: 126057

Client Sample ID: BS-43
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	146	F1	248	426.7	F1	mg/Kg		113	90 - 110	0	20

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9183-1
SDG: Lea County NM

GC VOA

Analysis Batch: 126036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9183-1	BS-41	Total/NA	Solid	8021B	126101
890-9183-2	BS-42	Total/NA	Solid	8021B	126101
890-9183-3	BS-43	Total/NA	Solid	8021B	126101
890-9183-4	BS-44	Total/NA	Solid	8021B	126101
890-9183-5	BS-45	Total/NA	Solid	8021B	126101
890-9183-6	BS-46	Total/NA	Solid	8021B	126101
890-9183-7	BS-47	Total/NA	Solid	8021B	126101
890-9183-8	BS-48	Total/NA	Solid	8021B	126101
890-9183-9	BS-49	Total/NA	Solid	8021B	126101
890-9183-10	BS-50	Total/NA	Solid	8021B	126101
MB 880-126058/5-A	Method Blank	Total/NA	Solid	8021B	126058
MB 880-126101/5-A	Method Blank	Total/NA	Solid	8021B	126101
LCS 880-126101/1-A	Lab Control Sample	Total/NA	Solid	8021B	126101
LCSD 880-126101/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126101
890-9183-1 MS	BS-41	Total/NA	Solid	8021B	126101
890-9183-1 MSD	BS-41	Total/NA	Solid	8021B	126101

Prep Batch: 126058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-126058/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 126101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9183-1	BS-41	Total/NA	Solid	5035	
890-9183-2	BS-42	Total/NA	Solid	5035	
890-9183-3	BS-43	Total/NA	Solid	5035	
890-9183-4	BS-44	Total/NA	Solid	5035	
890-9183-5	BS-45	Total/NA	Solid	5035	
890-9183-6	BS-46	Total/NA	Solid	5035	
890-9183-7	BS-47	Total/NA	Solid	5035	
890-9183-8	BS-48	Total/NA	Solid	5035	
890-9183-9	BS-49	Total/NA	Solid	5035	
890-9183-10	BS-50	Total/NA	Solid	5035	
MB 880-126101/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126101/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-126101/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9183-1 MS	BS-41	Total/NA	Solid	5035	
890-9183-1 MSD	BS-41	Total/NA	Solid	5035	

Analysis Batch: 126183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9183-1	BS-41	Total/NA	Solid	Total BTEX	
890-9183-2	BS-42	Total/NA	Solid	Total BTEX	
890-9183-3	BS-43	Total/NA	Solid	Total BTEX	
890-9183-4	BS-44	Total/NA	Solid	Total BTEX	
890-9183-5	BS-45	Total/NA	Solid	Total BTEX	
890-9183-6	BS-46	Total/NA	Solid	Total BTEX	
890-9183-7	BS-47	Total/NA	Solid	Total BTEX	
890-9183-8	BS-48	Total/NA	Solid	Total BTEX	
890-9183-9	BS-49	Total/NA	Solid	Total BTEX	
890-9183-10	BS-50	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9183-1
SDG: Lea County NM

GC Semi VOA

Prep Batch: 126018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9183-1	BS-41	Total/NA	Solid	8015NM Prep	
890-9183-2	BS-42	Total/NA	Solid	8015NM Prep	
890-9183-3	BS-43	Total/NA	Solid	8015NM Prep	
MB 880-126018/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126018/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126018/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 126024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9183-4	BS-44	Total/NA	Solid	8015NM Prep	
890-9183-5	BS-45	Total/NA	Solid	8015NM Prep	
890-9183-6	BS-46	Total/NA	Solid	8015NM Prep	
890-9183-7	BS-47	Total/NA	Solid	8015NM Prep	
890-9183-8	BS-48	Total/NA	Solid	8015NM Prep	
890-9183-9	BS-49	Total/NA	Solid	8015NM Prep	
890-9183-10	BS-50	Total/NA	Solid	8015NM Prep	
MB 880-126024/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126024/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126024/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9183-4 MS	BS-44	Total/NA	Solid	8015NM Prep	
890-9183-4 MSD	BS-44	Total/NA	Solid	8015NM Prep	

Analysis Batch: 126037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9183-1	BS-41	Total/NA	Solid	8015B NM	126018
890-9183-2	BS-42	Total/NA	Solid	8015B NM	126018
890-9183-3	BS-43	Total/NA	Solid	8015B NM	126018
MB 880-126018/1-A	Method Blank	Total/NA	Solid	8015B NM	126018
LCS 880-126018/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126018
LCSD 880-126018/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126018

Analysis Batch: 126040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9183-4	BS-44	Total/NA	Solid	8015B NM	126024
890-9183-5	BS-45	Total/NA	Solid	8015B NM	126024
890-9183-6	BS-46	Total/NA	Solid	8015B NM	126024
890-9183-7	BS-47	Total/NA	Solid	8015B NM	126024
890-9183-8	BS-48	Total/NA	Solid	8015B NM	126024
890-9183-9	BS-49	Total/NA	Solid	8015B NM	126024
890-9183-10	BS-50	Total/NA	Solid	8015B NM	126024
MB 880-126024/1-A	Method Blank	Total/NA	Solid	8015B NM	126024
LCS 880-126024/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126024
LCSD 880-126024/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126024
890-9183-4 MS	BS-44	Total/NA	Solid	8015B NM	126024
890-9183-4 MSD	BS-44	Total/NA	Solid	8015B NM	126024

Analysis Batch: 126231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9183-1	BS-41	Total/NA	Solid	8015 NM	
890-9183-2	BS-42	Total/NA	Solid	8015 NM	
890-9183-3	BS-43	Total/NA	Solid	8015 NM	

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9183-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 126231 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9183-4	BS-44	Total/NA	Solid	8015 NM	
890-9183-5	BS-45	Total/NA	Solid	8015 NM	
890-9183-6	BS-46	Total/NA	Solid	8015 NM	
890-9183-7	BS-47	Total/NA	Solid	8015 NM	
890-9183-8	BS-48	Total/NA	Solid	8015 NM	
890-9183-9	BS-49	Total/NA	Solid	8015 NM	
890-9183-10	BS-50	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 125954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9183-1	BS-41	Soluble	Solid	DI Leach	
890-9183-2	BS-42	Soluble	Solid	DI Leach	
890-9183-3	BS-43	Soluble	Solid	DI Leach	
890-9183-4	BS-44	Soluble	Solid	DI Leach	
890-9183-5	BS-45	Soluble	Solid	DI Leach	
890-9183-6	BS-46	Soluble	Solid	DI Leach	
890-9183-7	BS-47	Soluble	Solid	DI Leach	
890-9183-8	BS-48	Soluble	Solid	DI Leach	
890-9183-9	BS-49	Soluble	Solid	DI Leach	
890-9183-10	BS-50	Soluble	Solid	DI Leach	
MB 880-125954/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-125954/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-125954/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9183-3 MS	BS-43	Soluble	Solid	DI Leach	
890-9183-3 MSD	BS-43	Soluble	Solid	DI Leach	

Analysis Batch: 126057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9183-1	BS-41	Soluble	Solid	300.0	125954
890-9183-2	BS-42	Soluble	Solid	300.0	125954
890-9183-3	BS-43	Soluble	Solid	300.0	125954
890-9183-4	BS-44	Soluble	Solid	300.0	125954
890-9183-5	BS-45	Soluble	Solid	300.0	125954
890-9183-6	BS-46	Soluble	Solid	300.0	125954
890-9183-7	BS-47	Soluble	Solid	300.0	125954
890-9183-8	BS-48	Soluble	Solid	300.0	125954
890-9183-9	BS-49	Soluble	Solid	300.0	125954
890-9183-10	BS-50	Soluble	Solid	300.0	125954
MB 880-125954/1-A	Method Blank	Soluble	Solid	300.0	125954
LCS 880-125954/2-A	Lab Control Sample	Soluble	Solid	300.0	125954
LCSD 880-125954/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	125954
890-9183-3 MS	BS-43	Soluble	Solid	300.0	125954
890-9183-3 MSD	BS-43	Soluble	Solid	300.0	125954

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9183-1
SDG: Lea County NM

Client Sample ID: BS-41

Lab Sample ID: 890-9183-1
Matrix: Solid
Date Collected: 12/02/25 11:20
Date Received: 12/08/25 09:06

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	126101	12/09/25 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126036	12/09/25 23:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126183	12/09/25 23:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			126231	12/09/25 22:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126018	12/08/25 19:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 22:42	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	125954	12/08/25 14:34	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126057	12/09/25 19:13	CS	EET MID

Client Sample ID: BS-42

Lab Sample ID: 890-9183-2
Matrix: Solid
Date Collected: 12/02/25 11:25
Date Received: 12/08/25 09:06

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	126101	12/09/25 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126036	12/09/25 23:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126183	12/09/25 23:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			126231	12/09/25 22:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126018	12/08/25 19:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 22:57	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	125954	12/08/25 14:34	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126057	12/09/25 19:19	CS	EET MID

Client Sample ID: BS-43

Lab Sample ID: 890-9183-3
Matrix: Solid
Date Collected: 12/02/25 11:30
Date Received: 12/08/25 09:06

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	126101	12/09/25 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126036	12/10/25 00:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126183	12/10/25 00:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			126231	12/09/25 23:11	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	126018	12/08/25 19:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 23:11	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125954	12/08/25 14:34	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126057	12/09/25 19:24	CS	EET MID

Client Sample ID: BS-44

Lab Sample ID: 890-9183-4
Matrix: Solid
Date Collected: 12/02/25 11:35
Date Received: 12/08/25 09:06

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	126101	12/09/25 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126036	12/10/25 00:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126183	12/10/25 00:31	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9183-1
SDG: Lea County NM

Client Sample ID: BS-44

Lab Sample ID: 890-9183-4
Date Collected: 12/02/25 11:35
Matrix: Solid
Date Received: 12/08/25 09:06

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			126231	12/09/25 17:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126024	12/08/25 20:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/09/25 17:58	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	125954	12/08/25 14:34	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126057	12/09/25 19:41	CS	EET MID

Client Sample ID: BS-45

Lab Sample ID: 890-9183-5
Date Collected: 12/02/25 11:40
Matrix: Solid
Date Received: 12/08/25 09:06

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	126101	12/09/25 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126036	12/10/25 00:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126183	12/10/25 00:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			126231	12/09/25 18:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126024	12/08/25 20:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/09/25 18:41	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	125954	12/08/25 14:34	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126057	12/09/25 19:47	CS	EET MID

Client Sample ID: BS-46

Lab Sample ID: 890-9183-6
Date Collected: 12/02/25 11:45
Matrix: Solid
Date Received: 12/08/25 09:06

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	126101	12/09/25 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126036	12/10/25 01:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126183	12/10/25 01:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			126231	12/09/25 18:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126024	12/08/25 20:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/09/25 18:54	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	125954	12/08/25 14:34	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126057	12/09/25 20:04	CS	EET MID

Client Sample ID: BS-47

Lab Sample ID: 890-9183-7
Date Collected: 12/02/25 11:50
Matrix: Solid
Date Received: 12/08/25 09:06

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	126101	12/09/25 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126036	12/10/25 01:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126183	12/10/25 01:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			126231	12/09/25 19:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126024	12/08/25 20:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/09/25 19:10	FC	EET MID

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9183-1
SDG: Lea County NM

Client Sample ID: BS-47
Date Collected: 12/02/25 11:50
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9183-7
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	50 mL	125954	12/08/25 14:34	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126057	12/09/25 20:09	CS	EET MID

Client Sample ID: BS-48
Date Collected: 12/02/25 11:55
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9183-8
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			5.03 g	5 mL	126101	12/09/25 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126036	12/10/25 01:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126183	12/10/25 01:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			126231	12/09/25 19:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	126024	12/08/25 20:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/09/25 19:23	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125954	12/08/25 14:34	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126057	12/09/25 20:15	CS	EET MID

Client Sample ID: BS-49
Date Collected: 12/02/25 12:00
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9183-9
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	126101	12/09/25 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126036	12/10/25 02:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126183	12/10/25 02:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			126231	12/09/25 19:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126024	12/08/25 20:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/09/25 19:38	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	125954	12/08/25 14:34	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126057	12/09/25 20:21	CS	EET MID

Client Sample ID: BS-50
Date Collected: 12/02/25 12:05
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9183-10
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			4.98 g	5 mL	126101	12/09/25 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126036	12/10/25 02:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126183	12/10/25 02:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			126231	12/09/25 19:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126024	12/08/25 20:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/09/25 19:51	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	125954	12/08/25 14:34	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126057	12/09/25 20:26	CS	EET MID

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9183-1
SDG: Lea County NM

Laboratory References:

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

Accreditation/Certification Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9183-1
SDG: Lea 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	06-30-26

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: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9183-1
SDG: Lea 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: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9183-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9183-1	BS-41	Solid	12/02/25 11:20	12/08/25 09:06	5'
890-9183-2	BS-42	Solid	12/02/25 11:25	12/08/25 09:06	5'
890-9183-3	BS-43	Solid	12/02/25 11:30	12/08/25 09:06	5'
890-9183-4	BS-44	Solid	12/02/25 11:35	12/08/25 09:06	5'
890-9183-5	BS-45	Solid	12/02/25 11:40	12/08/25 09:06	5'
890-9183-6	BS-46	Solid	12/02/25 11:45	12/08/25 09:06	5'
890-9183-7	BS-47	Solid	12/02/25 11:50	12/08/25 09:06	5'
890-9183-8	BS-48	Solid	12/02/25 11:55	12/08/25 09:06	5'
890-9183-9	BS-49	Solid	12/02/25 12:00	12/08/25 09:06	5'
890-9183-10	BS-50	Solid	12/02/25 12:05	12/08/25 09:06	5'

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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

890-9183 Chain of Custody

12/10/2025

www.xenco.com Page 1 of 1

Project Manager:	Dimitry Nikanorov	Bill to: (if different)	
Company Name:	McNabb Partners	Company Name:	
Address:	5014 W Carlsbad Hwy	Address:	
City, State ZIP:	Hobbs, NM 882240	City, State ZIP:	
Phone:	Dimitry Nikanorov	Email:	

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:	MorningStar Casa State 001	Turn Around	
Project Number:		☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	48 hrs
Sampler's Name:	Dimitry Nikanorov	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	IR#6
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-2.2
Total Containers:		Corrected Temperature:	-2.0

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX (8021B)	TPH (8015M GRO+DRO+ORO)	Chloride (EPA 300.0)	Sample Comments
BS-41	5'	12/2/2025	11:20	X		Comp	1	X	X	X	
BS-42	5'	12/2/2025	11:25	X		Comp	1	X	X	X	
BS-43	5'	12/2/2025	11:30	X		Comp	1	X	X	X	
BS-44	5'	12/2/2025	11:35	X		Comp	1	X	X	X	
BS-45	5'	12/2/2025	11:40	X		Comp	1	X	X	X	
BS-46	5'	12/2/2025	11:45	X		Comp	1	X	X	X	
BS-47	5'	12/2/2025	11:50	X		Comp	1	X	X	X	
BS-48	5'	12/2/2025	11:55	X		Comp	1	X	X	X	
BS-49	5'	12/2/2025	12:00	X		Comp	1	X	X	X	
BS-50	5'	12/2/2025	12:05	X		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 SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010:** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 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
1 DN		12-8 9:06	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 4/9/2026 12:41:38 PM

Released to Imaging: 5/6/2026 10:32:00 AM

Login Sample Receipt Checklist

Client: McNabb Partners

Job Number: 890-9183-1
SDG Number: Lea County NM

Login Number: 9183
List Number: 1
Creator: Lopez, Abraham

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: McNabb Partners

Job Number: 890-9183-1
SDG Number: Lea County NM

Login Number: 9183
List Number: 2
Creator: Vasquez, Julisa

List Source: Eurofins Midland
List Creation: 12/09/25 09:01 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	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Dimitry Nikanorov
McNabb Partners
5014 W Carlsbad Hwy
Hobbs, New Mexico 88240

Generated 12/10/2025 12:48:38 PM

JOB DESCRIPTION

MorningStar Casa State 001
Lea County NM

JOB NUMBER

890-9185-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 5/6/2026 10:32:00 AM

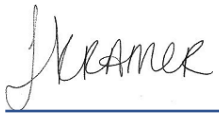
Eurofins Carlsbad

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
12/10/2025 12:48:38 PM

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

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Laboratory Job ID: 890-9185-1
SDG: Lea County NM

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Definitions/Glossary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9185-1
SDG: Lea County NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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: McNabb Partners
Project: MorningStar Casa State 001

Job ID: 890-9185-1

Job ID: 890-9185-1 Eurofins Carlsbad

Job Narrative
890-9185-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 12/8/2025 9:06 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.0°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: BS - 81 (890-9185-1), BS - 82 (890-9185-2), BS - 83 (890-9185-3), BS - 84 (890-9185-4), BS - 85 (890-9185-5), BS - 86 (890-9185-6), WS - 01 (890-9185-7), WS - 02 (890-9185-8), WS - 03 (890-9185-9) and WS - 04 (890-9185-10).

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: Surrogate recovery for the following sample was outside control limits: BS - 83 (890-9185-3). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-126025/2-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-126025 and analytical batch 880-126040 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.

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

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9185-1
SDG: Lea County NM

Client Sample ID: BS - 81

Lab Sample ID: 890-9185-1
Matrix: Solid
Date Collected: 12/02/25 14:40
Date Received: 12/08/25 09:06
Sample Depth: 0.5'

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		12/09/25 08:10	12/10/25 03:00	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/09/25 08:10	12/10/25 03:00	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/09/25 08:10	12/10/25 03:00	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/09/25 08:10	12/10/25 03:00	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/09/25 08:10	12/10/25 03:00	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/09/25 08:10	12/10/25 03:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*12/09/25 08:10*	*12/10/25 03:00*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*12/09/25 08:10*	*12/10/25 03:00*	*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			12/10/25 03:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/09/25 22:42	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		12/08/25 20:10	12/09/25 22:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/08/25 20:10	12/09/25 22:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/08/25 20:10	12/09/25 22:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*12/08/25 20:10*	*12/09/25 22:42*	*1*
o-Terphenyl	*108*		*70 - 130*	*12/08/25 20:10*	*12/09/25 22:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**162**		9.98		mg/Kg			12/10/25 01:48	1

Client Sample ID: BS - 82

Lab Sample ID: 890-9185-2
Matrix: Solid
Date Collected: 12/02/25 14:45
Date Received: 12/08/25 09:06
Sample Depth: 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		12/09/25 08:10	12/10/25 03:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:10	12/10/25 03:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:10	12/10/25 03:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 08:10	12/10/25 03:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:10	12/10/25 03:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 08:10	12/10/25 03:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*12/09/25 08:10*	*12/10/25 03:20*	*1*

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9185-1
SDG: Lea County NM

Client Sample ID: BS - 82

Lab Sample ID: 890-9185-2
Matrix: Solid
Date Collected: 12/02/25 14:45
Date Received: 12/08/25 09:06
Sample Depth: 0.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*12/09/25 08:10*	*12/10/25 03:20*	*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			12/10/25 03:20	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			12/09/25 22:57	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	<50.0	U	50.0		mg/Kg		12/08/25 20:10	12/09/25 22:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:10	12/09/25 22:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:10	12/09/25 22:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*101*		*70 - 130*	*12/08/25 20:10*	*12/09/25 22:57*	*1*
o-Terphenyl	*116*		*70 - 130*	*12/08/25 20:10*	*12/09/25 22:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**84.5**		9.92		mg/Kg			12/10/25 01:53	1

Client Sample ID: BS - 83

Lab Sample ID: 890-9185-3
Matrix: Solid
Date Collected: 12/02/25 14:50
Date Received: 12/08/25 09:06
Sample Depth: 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		12/09/25 08:10	12/10/25 03:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:10	12/10/25 03:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:10	12/10/25 03:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 08:10	12/10/25 03:41	1
o-Xylene	**0.00204**		0.00200		mg/Kg		12/09/25 08:10	12/10/25 03:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 08:10	12/10/25 03:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*12/09/25 08:10*	*12/10/25 03:41*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*12/09/25 08:10*	*12/10/25 03:41*	*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			12/10/25 03:41	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			12/09/25 23:11	1

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9185-1
SDG: Lea County NM

Client Sample ID: BS - 83

Lab Sample ID: 890-9185-3
Matrix: Solid
Date Collected: 12/02/25 14:50
Date Received: 12/08/25 09:06
Sample Depth: 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	<50.1	U	50.1		mg/Kg		12/08/25 20:10	12/09/25 23:11	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/08/25 20:10	12/09/25 23:11	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/08/25 20:10	12/09/25 23:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*12/08/25 20:10*	*12/09/25 23:11*	*1*
o-Terphenyl	*131*	*S1+*	*70 - 130*	*12/08/25 20:10*	*12/09/25 23:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**451**		10.0		mg/Kg			12/10/25 01:59	1

Client Sample ID: BS - 84

Lab Sample ID: 890-9185-4
Matrix: Solid
Date Collected: 12/02/25 14:55
Date Received: 12/08/25 09:06
Sample Depth: 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		12/09/25 08:10	12/10/25 04:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:10	12/10/25 04:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:10	12/10/25 04:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 08:10	12/10/25 04:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:10	12/10/25 04:01	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 08:10	12/10/25 04:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*12/09/25 08:10*	*12/10/25 04:01*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/09/25 08:10*	*12/10/25 04:01*	*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			12/10/25 04:01	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			12/10/25 01:07	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 F1	50.0		mg/Kg		12/08/25 20:12	12/10/25 01:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:12	12/10/25 01:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:12	12/10/25 01:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*12/08/25 20:12*	*12/10/25 01:07*	*1*
o-Terphenyl	*119*		*70 - 130*	*12/08/25 20:12*	*12/10/25 01:07*	*1*

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Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9185-1
SDG: Lea County NM

Client Sample ID: BS - 84

Lab Sample ID: 890-9185-4
Matrix: Solid
Date Collected: 12/02/25 14:55
Date Received: 12/08/25 09:06
Sample Depth: 0.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**99.4**		10.1		mg/Kg			12/10/25 02:16	1

Client Sample ID: BS - 85

Lab Sample ID: 890-9185-5
Matrix: Solid
Date Collected: 12/02/25 15:00
Date Received: 12/08/25 09:06
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00218**		0.00201		mg/Kg		12/09/25 08:10	12/10/25 04:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:10	12/10/25 04:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:10	12/10/25 04:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 08:10	12/10/25 04:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:10	12/10/25 04:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 08:10	12/10/25 04:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*12/09/25 08:10*	*12/10/25 04:22*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*12/09/25 08:10*	*12/10/25 04:22*	*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			12/10/25 04:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/10/25 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	<49.9	U	49.9		mg/Kg		12/08/25 20:12	12/10/25 01:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 20:12	12/10/25 01:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 20:12	12/10/25 01:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*12/08/25 20:12*	*12/10/25 01:49*	*1*
o-Terphenyl	*115*		*70 - 130*	*12/08/25 20:12*	*12/10/25 01:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			12/10/25 02:22	1

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9185-1
SDG: Lea County NM

Client Sample ID: BS - 86

Lab Sample ID: 890-9185-6
Matrix: Solid
Date Collected: 12/02/25 15:05
Date Received: 12/08/25 09:06
Sample Depth: 0.5'

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		12/09/25 08:10	12/10/25 04:42	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/09/25 08:10	12/10/25 04:42	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/09/25 08:10	12/10/25 04:42	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/09/25 08:10	12/10/25 04:42	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/09/25 08:10	12/10/25 04:42	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/09/25 08:10	12/10/25 04:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*12/09/25 08:10*	*12/10/25 04:42*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*12/09/25 08:10*	*12/10/25 04:42*	*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			12/10/25 04:42	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			12/10/25 02:03	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		12/08/25 20:12	12/10/25 02:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:12	12/10/25 02:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:12	12/10/25 02:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*12/08/25 20:12*	*12/10/25 02:03*	*1*
o-Terphenyl	*110*		*70 - 130*	*12/08/25 20:12*	*12/10/25 02:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**347**		9.96		mg/Kg			12/10/25 02:39	1

Client Sample ID: WS - 01

Lab Sample ID: 890-9185-7
Matrix: Solid
Date Collected: 12/02/25 15:10
Date Received: 12/08/25 09:06
Sample Depth: 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		12/09/25 08:10	12/10/25 05:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:10	12/10/25 05:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:10	12/10/25 05:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 08:10	12/10/25 05:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:10	12/10/25 05:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 08:10	12/10/25 05:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*12/09/25 08:10*	*12/10/25 05:02*	*1*

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9185-1
SDG: Lea County NM

Client Sample ID: WS - 01

Lab Sample ID: 890-9185-7
Matrix: Solid
Date Collected: 12/02/25 15:10
Date Received: 12/08/25 09:06
Sample Depth: 0-5'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/09/25 08:10*	*12/10/25 05:02*	*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			12/10/25 05:02	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			12/10/25 02:18	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	<50.0	U	50.0		mg/Kg		12/08/25 20:12	12/10/25 02:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:12	12/10/25 02:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:12	12/10/25 02:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*12/08/25 20:12*	*12/10/25 02:18*	*1*
o-Terphenyl	*121*		*70 - 130*	*12/08/25 20:12*	*12/10/25 02:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**121**		9.94		mg/Kg			12/10/25 02:44	1

Client Sample ID: WS - 02

Lab Sample ID: 890-9185-8
Matrix: Solid
Date Collected: 12/02/25 15:15
Date Received: 12/08/25 09:06
Sample Depth: 0-5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00201**		0.00199		mg/Kg		12/09/25 08:10	12/10/25 05:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:10	12/10/25 05:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:10	12/10/25 05:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 08:10	12/10/25 05:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:10	12/10/25 05:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 08:10	12/10/25 05:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*12/09/25 08:10*	*12/10/25 05:23*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*12/09/25 08:10*	*12/10/25 05:23*	*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			12/10/25 05:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/10/25 02:33	1

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Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9185-1
SDG: Lea County NM

Client Sample ID: WS - 02

Lab Sample ID: 890-9185-8
Matrix: Solid
Date Collected: 12/02/25 15:15
Date Received: 12/08/25 09:06
Sample Depth: 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	<49.9	U	49.9		mg/Kg		12/08/25 20:12	12/10/25 02:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 20:12	12/10/25 02:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 20:12	12/10/25 02:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*12/08/25 20:12*	*12/10/25 02:33*	*1*
o-Terphenyl	*110*		*70 - 130*	*12/08/25 20:12*	*12/10/25 02:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**371**		9.90		mg/Kg			12/10/25 02:50	1

Client Sample ID: WS - 03

Lab Sample ID: 890-9185-9
Matrix: Solid
Date Collected: 12/02/25 15:20
Date Received: 12/08/25 09:06
Sample Depth: 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		12/09/25 08:10	12/10/25 05:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:10	12/10/25 05:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:10	12/10/25 05:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 08:10	12/10/25 05:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:10	12/10/25 05:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 08:10	12/10/25 05:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*12/09/25 08:10*	*12/10/25 05:43*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*12/09/25 08:10*	*12/10/25 05:43*	*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			12/10/25 05:43	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			12/10/25 02:46	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	<50.0	U	50.0		mg/Kg		12/08/25 20:12	12/10/25 02:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:12	12/10/25 02:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:12	12/10/25 02:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*12/08/25 20:12*	*12/10/25 02:46*	*1*
o-Terphenyl	*115*		*70 - 130*	*12/08/25 20:12*	*12/10/25 02:46*	*1*

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9185-1
SDG: Lea County NM

Client Sample ID: WS - 03

Lab Sample ID: 890-9185-9
Matrix: Solid
Date Collected: 12/02/25 15:20
Date Received: 12/08/25 09:06
Sample Depth: 0-5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	336		9.92		mg/Kg			12/10/25 02:55	1

Client Sample ID: WS - 04

Lab Sample ID: 890-9185-10
Matrix: Solid
Date Collected: 12/02/25 15:25
Date Received: 12/08/25 09:06
Sample Depth: 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		12/09/25 08:10	12/10/25 06:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:10	12/10/25 06:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:10	12/10/25 06:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 08:10	12/10/25 06:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:10	12/10/25 06:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 08:10	12/10/25 06:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*12/09/25 08:10*	*12/10/25 06:04*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*12/09/25 08:10*	*12/10/25 06:04*	*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			12/10/25 06:04	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			12/10/25 03:01	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		12/08/25 20:12	12/10/25 03:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:12	12/10/25 03:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:12	12/10/25 03:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*12/08/25 20:12*	*12/10/25 03:01*	*1*
o-Terphenyl	*107*		*70 - 130*	*12/08/25 20:12*	*12/10/25 03:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	233		9.94		mg/Kg			12/10/25 03:01	1

Surrogate Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9185-1
SDG: Lea 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)
890-9185-1	BS - 81	105	97
890-9185-2	BS - 82	109	101
890-9185-3	BS - 83	107	95
890-9185-4	BS - 84	101	99
890-9185-5	BS - 85	103	98
890-9185-6	BS - 86	98	97
890-9185-7	WS - 01	114	99
890-9185-8	WS - 02	100	100
890-9185-9	WS - 03	102	94
890-9185-10	WS - 04	108	97
LCS 880-126030/1-A	Lab Control Sample	107	99
LCSD 880-126030/2-A	Lab Control Sample Dup	106	105
MB 880-126030/5-A	Method Blank	110	94
MB 880-126039/5-A	Method Blank	112	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**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-9185-1	BS - 81	89	108
890-9185-2	BS - 82	101	116
890-9185-3	BS - 83	112	131 S1+
890-9185-4	BS - 84	98	119
890-9185-4 MS	BS - 84	115	115
890-9185-4 MSD	BS - 84	114	118
890-9185-5	BS - 85	95	115
890-9185-6	BS - 86	91	110
890-9185-7	WS - 01	100	121
890-9185-8	WS - 02	92	110
890-9185-9	WS - 03	93	115
890-9185-10	WS - 04	90	107
LCS 880-126024/2-A	Lab Control Sample	123	124
LCS 880-126025/2-A	Lab Control Sample	128	131 S1+
LCSD 880-126024/3-A	Lab Control Sample Dup	121	119
LCSD 880-126025/3-A	Lab Control Sample Dup	126	125
MB 880-126024/1-A	Method Blank	96	107
MB 880-126025/1-A	Method Blank	105	108

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9185-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-126030/5-A
Matrix: Solid
Analysis Batch: 126035

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126030

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:10	12/09/25 22:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:10	12/09/25 22:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:10	12/09/25 22:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 08:10	12/09/25 22:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:10	12/09/25 22:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 08:10	12/09/25 22:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*12/09/25 08:10*	*12/09/25 22:01*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*12/09/25 08:10*	*12/09/25 22:01*	*1*

Lab Sample ID: LCS 880-126030/1-A
Matrix: Solid
Analysis Batch: 126035

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126030

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09987		mg/Kg		100	70 - 130		
Toluene			0.100	0.09640		mg/Kg		96	70 - 130		
Ethylbenzene			0.100	0.1002		mg/Kg		100	70 - 130		
m-Xylene & p-Xylene			0.200	0.1927		mg/Kg		96	70 - 130		
o-Xylene			0.100	0.09707		mg/Kg		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-126030/2-A
Matrix: Solid
Analysis Batch: 126035

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126030

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1075		mg/Kg		107	70 - 130	7	35
Toluene			0.100	0.09859		mg/Kg		99	70 - 130	2	35
Ethylbenzene			0.100	0.1051		mg/Kg		105	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.1982		mg/Kg		99	70 - 130	3	35
o-Xylene			0.100	0.1006		mg/Kg		101	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: MB 880-126039/5-A
Matrix: Solid
Analysis Batch: 126035

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126039

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:00	12/09/25 10:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:00	12/09/25 10:41	1

Eurofins Carlsbad

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9185-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-126039/5-A
Matrix: Solid
Analysis Batch: 126035

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126039

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:00	12/09/25 10:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 09:00	12/09/25 10:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:00	12/09/25 10:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 09:00	12/09/25 10:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*12/09/25 09:00*	*12/09/25 10:41*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*12/09/25 09:00*	*12/09/25 10:41*	*1*

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

Lab Sample ID: MB 880-126024/1-A
Matrix: Solid
Analysis Batch: 126040

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126024

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		12/08/25 20:10	12/09/25 17:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:10	12/09/25 17:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:10	12/09/25 17:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*12/08/25 20:10*	*12/09/25 17:00*	*1*
o-Terphenyl	*107*		*70 - 130*	*12/08/25 20:10*	*12/09/25 17:00*	*1*

Lab Sample ID: LCS 880-126024/2-A
Matrix: Solid
Analysis Batch: 126040

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126024

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	986.6		mg/Kg		99	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1230		mg/Kg		123	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*123*		*70 - 130*
o-Terphenyl	*124*		*70 - 130*

Lab Sample ID: LCSD 880-126024/3-A
Matrix: Solid
Analysis Batch: 126040

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126024

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	865.9		mg/Kg		87	70 - 130	13	20
Diesel Range Organics (Over C10-C28)			1000	1118		mg/Kg		112	70 - 130	10	20

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9185-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-126024/3-A
Matrix: Solid
Analysis Batch: 126040

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126024

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	121		70 - 130
o-Terphenyl	119		70 - 130

Lab Sample ID: MB 880-126025/1-A
Matrix: Solid
Analysis Batch: 126040

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126025

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		12/08/25 20:12	12/10/25 00:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:12	12/10/25 00:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:12	12/10/25 00:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	12/08/25 20:12	12/10/25 00:24	1
o-Terphenyl	108		70 - 130	12/08/25 20:12	12/10/25 00:24	1

Lab Sample ID: LCS 880-126025/2-A
Matrix: Solid
Analysis Batch: 126040

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126025

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	893.4		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1125		mg/Kg		112	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	128		70 - 130
o-Terphenyl	131	S1+	70 - 130

Lab Sample ID: LCSD 880-126025/3-A
Matrix: Solid
Analysis Batch: 126040

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126025

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	878.1		mg/Kg		88	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1082		mg/Kg		108	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	126		70 - 130
o-Terphenyl	125		70 - 130

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9185-1
SDG: Lea County NM

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

Lab Sample ID: 890-9185-4 MS
Matrix: Solid
Analysis Batch: 126040

Client Sample ID: BS - 84
Prep Type: Total/NA
Prep Batch: 126025

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 F1	1000	672.4	F1	mg/Kg		67	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	808.4		mg/Kg		79	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*115*		*70 - 130*
o-Terphenyl	*115*		*70 - 130*

Lab Sample ID: 890-9185-4 MSD
Matrix: Solid
Analysis Batch: 126040

Client Sample ID: BS - 84
Prep Type: Total/NA
Prep Batch: 126025

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 F1	1000	694.5	F1	mg/Kg		69	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	856.7		mg/Kg		84	70 - 130	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*114*		*70 - 130*
o-Terphenyl	*118*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-125958/1-A
Matrix: Solid
Analysis Batch: 126054

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			12/10/25 00:23	1

Lab Sample ID: LCS 880-125958/2-A
Matrix: Solid
Analysis Batch: 126054

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	272.1		mg/Kg		109	90 - 110

Lab Sample ID: LCSD 880-125958/3-A
Matrix: Solid
Analysis Batch: 126054

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	274.2		mg/Kg		110	90 - 110	1	20

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9185-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-9185-3 MS
Matrix: Solid
Analysis Batch: 126054

Client Sample ID: BS - 83
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	451		251	718.6		mg/Kg		107	90 - 110		

Lab Sample ID: 890-9185-3 MSD
Matrix: Solid
Analysis Batch: 126054

Client Sample ID: BS - 83
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	451		251	720.3		mg/Kg		107	90 - 110	0	20

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9185-1
SDG: Lea County NM

GC VOA

Prep Batch: 126030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9185-1	BS - 81	Total/NA	Solid	5035	
890-9185-2	BS - 82	Total/NA	Solid	5035	
890-9185-3	BS - 83	Total/NA	Solid	5035	
890-9185-4	BS - 84	Total/NA	Solid	5035	
890-9185-5	BS - 85	Total/NA	Solid	5035	
890-9185-6	BS - 86	Total/NA	Solid	5035	
890-9185-7	WS - 01	Total/NA	Solid	5035	
890-9185-8	WS - 02	Total/NA	Solid	5035	
890-9185-9	WS - 03	Total/NA	Solid	5035	
890-9185-10	WS - 04	Total/NA	Solid	5035	
MB 880-126030/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126030/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-126030/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 126035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9185-1	BS - 81	Total/NA	Solid	8021B	126030
890-9185-2	BS - 82	Total/NA	Solid	8021B	126030
890-9185-3	BS - 83	Total/NA	Solid	8021B	126030
890-9185-4	BS - 84	Total/NA	Solid	8021B	126030
890-9185-5	BS - 85	Total/NA	Solid	8021B	126030
890-9185-6	BS - 86	Total/NA	Solid	8021B	126030
890-9185-7	WS - 01	Total/NA	Solid	8021B	126030
890-9185-8	WS - 02	Total/NA	Solid	8021B	126030
890-9185-9	WS - 03	Total/NA	Solid	8021B	126030
890-9185-10	WS - 04	Total/NA	Solid	8021B	126030
MB 880-126030/5-A	Method Blank	Total/NA	Solid	8021B	126030
MB 880-126039/5-A	Method Blank	Total/NA	Solid	8021B	126039
LCS 880-126030/1-A	Lab Control Sample	Total/NA	Solid	8021B	126030
LCSD 880-126030/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126030

Prep Batch: 126039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-126039/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 126189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9185-1	BS - 81	Total/NA	Solid	Total BTEX	
890-9185-2	BS - 82	Total/NA	Solid	Total BTEX	
890-9185-3	BS - 83	Total/NA	Solid	Total BTEX	
890-9185-4	BS - 84	Total/NA	Solid	Total BTEX	
890-9185-5	BS - 85	Total/NA	Solid	Total BTEX	
890-9185-6	BS - 86	Total/NA	Solid	Total BTEX	
890-9185-7	WS - 01	Total/NA	Solid	Total BTEX	
890-9185-8	WS - 02	Total/NA	Solid	Total BTEX	
890-9185-9	WS - 03	Total/NA	Solid	Total BTEX	
890-9185-10	WS - 04	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9185-1
SDG: Lea County NM

GC Semi VOA

Prep Batch: 126024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9185-1	BS - 81	Total/NA	Solid	8015NM Prep	
890-9185-2	BS - 82	Total/NA	Solid	8015NM Prep	
890-9185-3	BS - 83	Total/NA	Solid	8015NM Prep	
MB 880-126024/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126024/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126024/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 126025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9185-4	BS - 84	Total/NA	Solid	8015NM Prep	
890-9185-5	BS - 85	Total/NA	Solid	8015NM Prep	
890-9185-6	BS - 86	Total/NA	Solid	8015NM Prep	
890-9185-7	WS - 01	Total/NA	Solid	8015NM Prep	
890-9185-8	WS - 02	Total/NA	Solid	8015NM Prep	
890-9185-9	WS - 03	Total/NA	Solid	8015NM Prep	
890-9185-10	WS - 04	Total/NA	Solid	8015NM Prep	
MB 880-126025/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126025/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126025/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9185-4 MS	BS - 84	Total/NA	Solid	8015NM Prep	
890-9185-4 MSD	BS - 84	Total/NA	Solid	8015NM Prep	

Analysis Batch: 126040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9185-1	BS - 81	Total/NA	Solid	8015B NM	126024
890-9185-2	BS - 82	Total/NA	Solid	8015B NM	126024
890-9185-3	BS - 83	Total/NA	Solid	8015B NM	126024
890-9185-4	BS - 84	Total/NA	Solid	8015B NM	126025
890-9185-5	BS - 85	Total/NA	Solid	8015B NM	126025
890-9185-6	BS - 86	Total/NA	Solid	8015B NM	126025
890-9185-7	WS - 01	Total/NA	Solid	8015B NM	126025
890-9185-8	WS - 02	Total/NA	Solid	8015B NM	126025
890-9185-9	WS - 03	Total/NA	Solid	8015B NM	126025
890-9185-10	WS - 04	Total/NA	Solid	8015B NM	126025
MB 880-126024/1-A	Method Blank	Total/NA	Solid	8015B NM	126024
MB 880-126025/1-A	Method Blank	Total/NA	Solid	8015B NM	126025
LCS 880-126024/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126024
LCS 880-126025/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126025
LCSD 880-126024/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126024
LCSD 880-126025/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126025
890-9185-4 MS	BS - 84	Total/NA	Solid	8015B NM	126025
890-9185-4 MSD	BS - 84	Total/NA	Solid	8015B NM	126025

Analysis Batch: 126244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9185-1	BS - 81	Total/NA	Solid	8015 NM	
890-9185-2	BS - 82	Total/NA	Solid	8015 NM	
890-9185-3	BS - 83	Total/NA	Solid	8015 NM	
890-9185-4	BS - 84	Total/NA	Solid	8015 NM	
890-9185-5	BS - 85	Total/NA	Solid	8015 NM	
890-9185-6	BS - 86	Total/NA	Solid	8015 NM	

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9185-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 126244 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9185-7	WS - 01	Total/NA	Solid	8015 NM	
890-9185-8	WS - 02	Total/NA	Solid	8015 NM	
890-9185-9	WS - 03	Total/NA	Solid	8015 NM	
890-9185-10	WS - 04	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 125958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9185-1	BS - 81	Soluble	Solid	DI Leach	
890-9185-2	BS - 82	Soluble	Solid	DI Leach	
890-9185-3	BS - 83	Soluble	Solid	DI Leach	
890-9185-4	BS - 84	Soluble	Solid	DI Leach	
890-9185-5	BS - 85	Soluble	Solid	DI Leach	
890-9185-6	BS - 86	Soluble	Solid	DI Leach	
890-9185-7	WS - 01	Soluble	Solid	DI Leach	
890-9185-8	WS - 02	Soluble	Solid	DI Leach	
890-9185-9	WS - 03	Soluble	Solid	DI Leach	
890-9185-10	WS - 04	Soluble	Solid	DI Leach	
MB 880-125958/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-125958/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-125958/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9185-3 MS	BS - 83	Soluble	Solid	DI Leach	
890-9185-3 MSD	BS - 83	Soluble	Solid	DI Leach	

Analysis Batch: 126054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9185-1	BS - 81	Soluble	Solid	300.0	125958
890-9185-2	BS - 82	Soluble	Solid	300.0	125958
890-9185-3	BS - 83	Soluble	Solid	300.0	125958
890-9185-4	BS - 84	Soluble	Solid	300.0	125958
890-9185-5	BS - 85	Soluble	Solid	300.0	125958
890-9185-6	BS - 86	Soluble	Solid	300.0	125958
890-9185-7	WS - 01	Soluble	Solid	300.0	125958
890-9185-8	WS - 02	Soluble	Solid	300.0	125958
890-9185-9	WS - 03	Soluble	Solid	300.0	125958
890-9185-10	WS - 04	Soluble	Solid	300.0	125958
MB 880-125958/1-A	Method Blank	Soluble	Solid	300.0	125958
LCS 880-125958/2-A	Lab Control Sample	Soluble	Solid	300.0	125958
LCSD 880-125958/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	125958
890-9185-3 MS	BS - 83	Soluble	Solid	300.0	125958
890-9185-3 MSD	BS - 83	Soluble	Solid	300.0	125958

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9185-1
SDG: Lea County NM

Client Sample ID: BS - 81
Date Collected: 12/02/25 14:40
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9185-1
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			4.96 g	5 mL	126030	12/09/25 08:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126035	12/10/25 03:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126189	12/10/25 03:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			126244	12/09/25 22:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126024	12/08/25 20:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/09/25 22:42	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	125958	12/08/25 14:36	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126054	12/10/25 01:48	CS	EET MID

Client Sample ID: BS - 82
Date Collected: 12/02/25 14:45
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9185-2
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			5.03 g	5 mL	126030	12/09/25 08:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126035	12/10/25 03:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126189	12/10/25 03:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			126244	12/09/25 22:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126024	12/08/25 20:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/09/25 22:57	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125958	12/08/25 14:36	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126054	12/10/25 01:53	CS	EET MID

Client Sample ID: BS - 83
Date Collected: 12/02/25 14:50
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9185-3
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			5.00 g	5 mL	126030	12/09/25 08:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126035	12/10/25 03:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126189	12/10/25 03:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			126244	12/09/25 23:11	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	126024	12/08/25 20:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/09/25 23:11	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	125958	12/08/25 14:36	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126054	12/10/25 01:59	CS	EET MID

Client Sample ID: BS - 84
Date Collected: 12/02/25 14:55
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9185-4
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	126030	12/09/25 08:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126035	12/10/25 04:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126189	12/10/25 04:01	SA	EET MID

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9185-1
SDG: Lea County NM

Client Sample ID: BS - 84
Date Collected: 12/02/25 14:55
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9185-4
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			126244	12/10/25 01:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126025	12/08/25 20:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/10/25 01:07	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	125958	12/08/25 14:36	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126054	12/10/25 02:16	CS	EET MID

Client Sample ID: BS - 85
Date Collected: 12/02/25 15:00
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9185-5
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			4.98 g	5 mL	126030	12/09/25 08:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126035	12/10/25 04:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126189	12/10/25 04:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			126244	12/10/25 01:49	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126025	12/08/25 20:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/10/25 01:49	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125958	12/08/25 14:36	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126054	12/10/25 02:22	CS	EET MID

Client Sample ID: BS - 86
Date Collected: 12/02/25 15:05
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9185-6
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			4.95 g	5 mL	126030	12/09/25 08:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126035	12/10/25 04:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126189	12/10/25 04:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			126244	12/10/25 02:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126025	12/08/25 20:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/10/25 02:03	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	125958	12/08/25 14:36	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126054	12/10/25 02:39	CS	EET MID

Client Sample ID: WS - 01
Date Collected: 12/02/25 15:10
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9185-7
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			5.03 g	5 mL	126030	12/09/25 08:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126035	12/10/25 05:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126189	12/10/25 05:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			126244	12/10/25 02:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126025	12/08/25 20:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/10/25 02:18	FC	EET MID

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9185-1
SDG: Lea County NM

Client Sample ID: WS - 01

Date Collected: 12/02/25 15:10
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9185-7

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			5.03 g	50 mL	125958	12/08/25 14:36	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126054	12/10/25 02:44	CS	EET MID

Client Sample ID: WS - 02

Date Collected: 12/02/25 15:15
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9185-8

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	126030	12/09/25 08:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126035	12/10/25 05:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126189	12/10/25 05:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			126244	12/10/25 02:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126025	12/08/25 20:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/10/25 02:33	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	125958	12/08/25 14:36	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126054	12/10/25 02:50	CS	EET MID

Client Sample ID: WS - 03

Date Collected: 12/02/25 15:20
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9185-9

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	126030	12/09/25 08:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126035	12/10/25 05:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126189	12/10/25 05:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			126244	12/10/25 02:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	126025	12/08/25 20:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/10/25 02:46	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125958	12/08/25 14:36	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126054	12/10/25 02:55	CS	EET MID

Client Sample ID: WS - 04

Date Collected: 12/02/25 15:25
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9185-10

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			4.98 g	5 mL	126030	12/09/25 08:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126035	12/10/25 06:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126189	12/10/25 06:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			126244	12/10/25 03:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	126025	12/08/25 20:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/10/25 03:01	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	125958	12/08/25 14:36	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126054	12/10/25 03:01	CS	EET MID

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9185-1
SDG: Lea County NM

Laboratory References:

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

Accreditation/Certification Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9185-1
SDG: Lea 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	06-30-26

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: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9185-1
SDG: Lea 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: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9185-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9185-1	BS - 81	Solid	12/02/25 14:40	12/08/25 09:06	0.5'
890-9185-2	BS - 82	Solid	12/02/25 14:45	12/08/25 09:06	0.5'
890-9185-3	BS - 83	Solid	12/02/25 14:50	12/08/25 09:06	0.5'
890-9185-4	BS - 84	Solid	12/02/25 14:55	12/08/25 09:06	0.5'
890-9185-5	BS - 85	Solid	12/02/25 15:00	12/08/25 09:06	0.5'
890-9185-6	BS - 86	Solid	12/02/25 15:05	12/08/25 09:06	0.5'
890-9185-7	WS - 01	Solid	12/02/25 15:10	12/08/25 09:06	0-5'
890-9185-8	WS - 02	Solid	12/02/25 15:15	12/08/25 09:06	0-5'
890-9185-9	WS - 03	Solid	12/02/25 15:20	12/08/25 09:06	0-5'
890-9185-10	WS - 04	Solid	12/02/25 15:25	12/08/25 09:06	0-5'

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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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Dimitry Nikanorov	Bill to: (if different)	
Company Name:	McNabb Partners	Company Name:	
Address:	5014 W Carlsbad Hwy	Address:	
City, State ZIP:	Hobbs, NM 882240	City, State ZIP:	
Phone:	Dimitry Nikanorov	Email:	

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:	MorningStar Casa State 001	Turn Around	
Project Number:		☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	48 hrs
Sampler's Name:	Dimitry Nikanorov	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	Tn#660
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-2.2
Total Containers:		Corrected Temperature:	-2.0

ANALYSIS REQUEST

890-9185 Chain of Custody

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2S0_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX (8021B)	TPH (8015M GRO+DRO+ORO)	Chloride (EPA 300.0)	Sample Comments
BS-81	0.5	12/2/2025	14:40	X		Comp	1	X	X	X	
BS-82	0.5	12/2/2025	14:45	X		Comp	1	X	X	X	
BS-83	0.5	12/2/2025	14:50	X		Comp	1	X	X	X	
BS-84	0.5	12/2/2025	14:55	X		Comp	1	X	X	X	
BS-85	0.5	12/2/2025	15:00	X		Comp	1	X	X	X	
BS-86	0.5	12/2/2025	15:05	X		Comp	1	X	X	X	
WS-01	0-5'	12/2/2025	15:10	X		Comp	1	X	X	X	
WS-02	0-5'	12/2/2025	15:15	X		Comp	1	X	X	X	
WS-03	0-5'	12/2/2025	15:20	X		Comp	1	X	X	X	
WS-04	0-5'	12/2/2025	15:25	X		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 SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010:** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 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
1 DN		12.8 906	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 4/9/2026 12:41:38 PM

Released to Imaging: 5/6/2026 10:32:00 AM

Login Sample Receipt Checklist

Client: McNabb Partners

Job Number: 890-9185-1
SDG Number: Lea County NM

Login Number: 9185
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: McNabb Partners

Job Number: 890-9185-1
SDG Number: Lea County NM

Login Number: 9185
List Number: 2
Creator: Vasquez, Julisa

List Source: Eurofins Midland
List Creation: 12/09/25 09:01 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	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Dimitry Nikanorov
McNabb Partners
5014 W Carlsbad Hwy
Hobbs, New Mexico 88240

Generated 12/10/2025 12:48:58 PM

JOB DESCRIPTION

MorningStar Casa State 001
Lea County NM

JOB NUMBER

890-9186-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 5/6/2026 10:32:00 AM

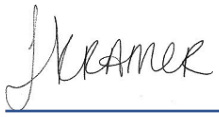
Eurofins Carlsbad

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
12/10/2025 12:48:58 PM

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

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Definitions/Glossary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9186-1
SDG: Lea 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: McNabb Partners
Project: MorningStar Casa State 001

Job ID: 890-9186-1

Job ID: 890-9186-1 Eurofins Carlsbad

Job Narrative
890-9186-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 12/8/2025 9:06 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.0°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: BS - 71 (890-9186-1), BS - 72 (890-9186-2), BS - 73 (890-9186-3), BS - 74 (890-9186-4), BS - 75 (890-9186-5), BS - 76 (890-9186-6), BS - 77 (890-9186-7), BS - 78 (890-9186-8), BS - 79 (890-9186-9) and BS - 80 (890-9186-10).

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: Surrogate recovery for the following sample was outside control limits: (LCS 880-126025/2-A). 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.

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

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9186-1
SDG: Lea County NM

Client Sample ID: BS - 71

Lab Sample ID: 890-9186-1
Matrix: Solid
Date Collected: 12/02/25 13:50
Date Received: 12/08/25 09:06
Sample Depth: 3'

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		12/09/25 08:10	12/09/25 22:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:10	12/09/25 22:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:10	12/09/25 22:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 08:10	12/09/25 22:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:10	12/09/25 22:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 08:10	12/09/25 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*12/09/25 08:10*	*12/09/25 22:23*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*12/09/25 08:10*	*12/09/25 22:23*	*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			12/09/25 22:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/10/25 03:16	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	<49.9	U	49.9		mg/Kg		12/08/25 20:12	12/10/25 03:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 20:12	12/10/25 03:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 20:12	12/10/25 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*12/08/25 20:12*	*12/10/25 03:16*	*1*
o-Terphenyl	*113*		*70 - 130*	*12/08/25 20:12*	*12/10/25 03:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**232**		10.0		mg/Kg			12/10/25 03:07	1

Client Sample ID: BS - 72

Lab Sample ID: 890-9186-2
Matrix: Solid
Date Collected: 12/02/25 13:55
Date Received: 12/08/25 09:06
Sample Depth: 3'

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		12/09/25 08:10	12/09/25 22:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:10	12/09/25 22:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:10	12/09/25 22:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 08:10	12/09/25 22:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:10	12/09/25 22:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 08:10	12/09/25 22:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*12/09/25 08:10*	*12/09/25 22:43*	*1*

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Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9186-1
SDG: Lea County NM

Client Sample ID: BS - 72

Date Collected: 12/02/25 13:55
Date Received: 12/08/25 09:06
Sample Depth: 3'

Lab Sample ID: 890-9186-2

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*12/09/25 08:10*	*12/09/25 22:43*	*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			12/09/25 22:43	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			12/10/25 03:29	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		12/08/25 20:12	12/10/25 03:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:12	12/10/25 03:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:12	12/10/25 03:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*12/08/25 20:12*	*12/10/25 03:29*	*1*
o-Terphenyl	*109*		*70 - 130*	*12/08/25 20:12*	*12/10/25 03:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**418**		10.1		mg/Kg			12/10/25 03:12	1

Client Sample ID: BS - 73

Date Collected: 12/02/25 14:00
Date Received: 12/08/25 09:06
Sample Depth: 3'

Lab Sample ID: 890-9186-3

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		12/09/25 08:10	12/09/25 23:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:10	12/09/25 23:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:10	12/09/25 23:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 08:10	12/09/25 23:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:10	12/09/25 23:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 08:10	12/09/25 23:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*12/09/25 08:10*	*12/09/25 23:04*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*12/09/25 08:10*	*12/09/25 23:04*	*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			12/09/25 23:04	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			12/10/25 03:43	1

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Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9186-1
SDG: Lea County NM

Client Sample ID: BS - 73

Lab Sample ID: 890-9186-3
Matrix: Solid
Date Collected: 12/02/25 14:00
Date Received: 12/08/25 09:06
Sample Depth: 3'

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		12/08/25 20:12	12/10/25 03:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/08/25 20:12	12/10/25 03:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/08/25 20:12	12/10/25 03:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*12/08/25 20:12*	*12/10/25 03:43*	*1*
o-Terphenyl	*115*		*70 - 130*	*12/08/25 20:12*	*12/10/25 03:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**90.5**		9.92		mg/Kg			12/09/25 18:56	1

Client Sample ID: BS - 74

Lab Sample ID: 890-9186-4
Matrix: Solid
Date Collected: 12/02/25 14:05
Date Received: 12/08/25 09:06
Sample Depth: 3'

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		12/09/25 08:10	12/09/25 23:24	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/09/25 08:10	12/09/25 23:24	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/09/25 08:10	12/09/25 23:24	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/09/25 08:10	12/09/25 23:24	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/09/25 08:10	12/09/25 23:24	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/09/25 08:10	12/09/25 23:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*12/09/25 08:10*	*12/09/25 23:24*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/09/25 08:10*	*12/09/25 23:24*	*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			12/09/25 23:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/10/25 04:12	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		12/08/25 20:12	12/10/25 04:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/08/25 20:12	12/10/25 04:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/08/25 20:12	12/10/25 04:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*12/08/25 20:12*	*12/10/25 04:12*	*1*
o-Terphenyl	*115*		*70 - 130*	*12/08/25 20:12*	*12/10/25 04:12*	*1*

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9186-1
SDG: Lea County NM

Client Sample ID: BS - 74

Lab Sample ID: 890-9186-4
Matrix: Solid
Date Collected: 12/02/25 14:05
Date Received: 12/08/25 09:06
Sample Depth: 3'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	262		9.90		mg/Kg			12/09/25 19:10	1

Client Sample ID: BS - 75

Lab Sample ID: 890-9186-5
Matrix: Solid
Date Collected: 12/02/25 14:10
Date Received: 12/08/25 09:06
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		12/09/25 08:10	12/09/25 23:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:10	12/09/25 23:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:10	12/09/25 23:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 08:10	12/09/25 23:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:10	12/09/25 23:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 08:10	12/09/25 23:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*12/09/25 08:10*	*12/09/25 23:44*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*12/09/25 08:10*	*12/09/25 23:44*	*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			12/09/25 23:44	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			12/10/25 04:26	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		12/08/25 20:12	12/10/25 04:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:12	12/10/25 04:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:12	12/10/25 04:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*12/08/25 20:12*	*12/10/25 04:26*	*1*
o-Terphenyl	*127*		*70 - 130*	*12/08/25 20:12*	*12/10/25 04:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	229		9.92		mg/Kg			12/09/25 19:15	1

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9186-1
SDG: Lea County NM

Client Sample ID: BS - 76

Lab Sample ID: 890-9186-6
Matrix: Solid
Date Collected: 12/02/25 14:15
Date Received: 12/08/25 09:06
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		12/09/25 08:10	12/10/25 00:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:10	12/10/25 00:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:10	12/10/25 00:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 08:10	12/10/25 00:05	1
o-Xylene	**0.00220**		0.00201		mg/Kg		12/09/25 08:10	12/10/25 00:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 08:10	12/10/25 00:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*12/09/25 08:10*	*12/10/25 00:05*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*12/09/25 08:10*	*12/10/25 00:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/10/25 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	<49.9	U	49.9		mg/Kg			12/10/25 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		12/08/25 20:12	12/10/25 04:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 20:12	12/10/25 04:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 20:12	12/10/25 04:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*12/08/25 20:12*	*12/10/25 04:41*	*1*
o-Terphenyl	*120*		*70 - 130*	*12/08/25 20:12*	*12/10/25 04:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**99.8**		9.98		mg/Kg			12/09/25 19:20	1

Client Sample ID: BS - 77

Lab Sample ID: 890-9186-7
Matrix: Solid
Date Collected: 12/02/25 14:20
Date Received: 12/08/25 09:06
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00210**		0.00199		mg/Kg		12/09/25 08:10	12/10/25 00:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:10	12/10/25 00:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:10	12/10/25 00:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 08:10	12/10/25 00:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:10	12/10/25 00:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 08:10	12/10/25 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*12/09/25 08:10*	*12/10/25 00:25*	*1*

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Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9186-1
SDG: Lea County NM

Client Sample ID: BS - 77

Lab Sample ID: 890-9186-7
Matrix: Solid
Date Collected: 12/02/25 14:20
Date Received: 12/08/25 09:06
Sample Depth: 2'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/09/25 08:10*	*12/10/25 00:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/10/25 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	<50.0	U	50.0		mg/Kg			12/10/25 04:55	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	<50.0	U	50.0		mg/Kg		12/08/25 20:12	12/10/25 04:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:12	12/10/25 04:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:12	12/10/25 04:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*12/08/25 20:12*	*12/10/25 04:55*	*1*
o-Terphenyl	*119*		*70 - 130*	*12/08/25 20:12*	*12/10/25 04:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**275**		9.96		mg/Kg			12/09/25 19:25	1

Client Sample ID: BS - 78

Lab Sample ID: 890-9186-8
Matrix: Solid
Date Collected: 12/02/25 14:25
Date Received: 12/08/25 09:06
Sample Depth: 2'

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		12/09/25 08:10	12/10/25 00:46	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/09/25 08:10	12/10/25 00:46	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/09/25 08:10	12/10/25 00:46	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/09/25 08:10	12/10/25 00:46	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/09/25 08:10	12/10/25 00:46	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/09/25 08:10	12/10/25 00:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*12/09/25 08:10*	*12/10/25 00:46*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*12/09/25 08:10*	*12/10/25 00:46*	*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			12/10/25 00:46	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			12/10/25 05:09	1

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Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9186-1
SDG: Lea County NM

Client Sample ID: BS - 78

Lab Sample ID: 890-9186-8
Matrix: Solid
Date Collected: 12/02/25 14:25
Date Received: 12/08/25 09:06
Sample Depth: 2'

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		12/08/25 20:12	12/10/25 05:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 20:12	12/10/25 05:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 20:12	12/10/25 05:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*12/08/25 20:12*	*12/10/25 05:09*	*1*
o-Terphenyl	*122*		*70 - 130*	*12/08/25 20:12*	*12/10/25 05:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**184**		9.94		mg/Kg			12/09/25 19:40	1

Client Sample ID: BS - 79

Lab Sample ID: 890-9186-9
Matrix: Solid
Date Collected: 12/02/25 14:30
Date Received: 12/08/25 09:06
Sample Depth: 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		12/09/25 08:10	12/10/25 01:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:10	12/10/25 01:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:10	12/10/25 01:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 08:10	12/10/25 01:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:10	12/10/25 01:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 08:10	12/10/25 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*12/09/25 08:10*	*12/10/25 01:06*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*12/09/25 08:10*	*12/10/25 01:06*	*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			12/10/25 01:06	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			12/10/25 05:23	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	<50.0	U	50.0		mg/Kg		12/08/25 20:12	12/10/25 05:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:12	12/10/25 05:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:12	12/10/25 05:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*12/08/25 20:12*	*12/10/25 05:23*	*1*
o-Terphenyl	*124*		*70 - 130*	*12/08/25 20:12*	*12/10/25 05:23*	*1*

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9186-1
SDG: Lea County NM

Client Sample ID: BS - 79

Lab Sample ID: 890-9186-9
Matrix: Solid
Date Collected: 12/02/25 14:30
Date Received: 12/08/25 09:06
Sample Depth: 0.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	238		9.92		mg/Kg			12/09/25 19:45	1

Client Sample ID: BS - 80

Lab Sample ID: 890-9186-10
Matrix: Solid
Date Collected: 12/02/25 14:35
Date Received: 12/08/25 09:06
Sample Depth: 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		12/09/25 08:10	12/10/25 01:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:10	12/10/25 01:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:10	12/10/25 01:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 08:10	12/10/25 01:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:10	12/10/25 01:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 08:10	12/10/25 01:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*12/09/25 08:10*	*12/10/25 01:27*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*12/09/25 08:10*	*12/10/25 01:27*	*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			12/10/25 01:27	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			12/10/25 05:37	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		12/08/25 20:12	12/10/25 05:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/08/25 20:12	12/10/25 05:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/08/25 20:12	12/10/25 05:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*12/08/25 20:12*	*12/10/25 05:37*	*1*
o-Terphenyl	*114*		*70 - 130*	*12/08/25 20:12*	*12/10/25 05:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	134		10.0		mg/Kg			12/09/25 19:50	1

Surrogate Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9186-1
SDG: Lea 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)
890-9186-1	BS - 71	108	97
890-9186-1 MS	BS - 71	100	96
890-9186-1 MSD	BS - 71	108	106
890-9186-2	BS - 72	104	92
890-9186-3	BS - 73	104	95
890-9186-4	BS - 74	111	102
890-9186-5	BS - 75	106	104
890-9186-6	BS - 76	104	93
890-9186-7	BS - 77	110	99
890-9186-8	BS - 78	106	95
890-9186-9	BS - 79	109	96
890-9186-10	BS - 80	105	94
LCS 880-126030/1-A	Lab Control Sample	107	99
LCSD 880-126030/2-A	Lab Control Sample Dup	106	105
MB 880-126030/5-A	Method Blank	110	94
MB 880-126039/5-A	Method Blank	112	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**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-9186-1	BS - 71	97	113
890-9186-2	BS - 72	91	109
890-9186-3	BS - 73	96	115
890-9186-4	BS - 74	97	115
890-9186-5	BS - 75	104	127
890-9186-6	BS - 76	102	120
890-9186-7	BS - 77	99	119
890-9186-8	BS - 78	108	122
890-9186-9	BS - 79	107	124
890-9186-10	BS - 80	97	114
LCS 880-126025/2-A	Lab Control Sample	128	131 S1+
LCSD 880-126025/3-A	Lab Control Sample Dup	126	125
MB 880-126025/1-A	Method Blank	105	108

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9186-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-126030/5-A
Matrix: Solid
Analysis Batch: 126035

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126030

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:10	12/09/25 22:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:10	12/09/25 22:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:10	12/09/25 22:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 08:10	12/09/25 22:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:10	12/09/25 22:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 08:10	12/09/25 22:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*12/09/25 08:10*	*12/09/25 22:01*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*12/09/25 08:10*	*12/09/25 22:01*	*1*

Lab Sample ID: LCS 880-126030/1-A
Matrix: Solid
Analysis Batch: 126035

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126030

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09987		mg/Kg		100	70 - 130		
Toluene			0.100	0.09640		mg/Kg		96	70 - 130		
Ethylbenzene			0.100	0.1002		mg/Kg		100	70 - 130		
m-Xylene & p-Xylene			0.200	0.1927		mg/Kg		96	70 - 130		
o-Xylene			0.100	0.09707		mg/Kg		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-126030/2-A
Matrix: Solid
Analysis Batch: 126035

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126030

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1075		mg/Kg		107	70 - 130	7	35
Toluene			0.100	0.09859		mg/Kg		99	70 - 130	2	35
Ethylbenzene			0.100	0.1051		mg/Kg		105	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.1982		mg/Kg		99	70 - 130	3	35
o-Xylene			0.100	0.1006		mg/Kg		101	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 890-9186-1 MS
Matrix: Solid
Analysis Batch: 126035

Client Sample ID: BS - 71
Prep Type: Total/NA
Prep Batch: 126030

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.07571		mg/Kg		76	70 - 130		
Toluene	<0.00200	U	0.100	0.07039		mg/Kg		70	70 - 130		

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9186-1
SDG: Lea County NM

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

Lab Sample ID: 890-9186-1 MS
Matrix: Solid
Analysis Batch: 126035

Client Sample ID: BS - 71
Prep Type: Total/NA
Prep Batch: 126030

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.07279		mg/Kg		73	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1397		mg/Kg		70	70 - 130
o-Xylene	<0.00200	U	0.100	0.07014		mg/Kg		70	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 890-9186-1 MSD
Matrix: Solid
Analysis Batch: 126035

Client Sample ID: BS - 71
Prep Type: Total/NA
Prep Batch: 126030

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	0.09958		mg/Kg		100	70 - 130	27	35
Toluene	<0.00200	U	0.100	0.09107		mg/Kg		91	70 - 130	26	35
Ethylbenzene	<0.00200	U	0.100	0.09508		mg/Kg		95	70 - 130	27	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1763		mg/Kg		88	70 - 130	23	35
o-Xylene	<0.00200	U	0.100	0.08832		mg/Kg		88	70 - 130	23	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: MB 880-126039/5-A
Matrix: Solid
Analysis Batch: 126035

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126039

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:00	12/09/25 10:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:00	12/09/25 10:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:00	12/09/25 10:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 09:00	12/09/25 10:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:00	12/09/25 10:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 09:00	12/09/25 10:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*12/09/25 09:00*	*12/09/25 10:41*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*12/09/25 09:00*	*12/09/25 10:41*	*1*

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

Lab Sample ID: MB 880-126025/1-A
Matrix: Solid
Analysis Batch: 126040

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126025

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		12/08/25 20:12	12/10/25 00:24	1

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9186-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-126025/1-A
Matrix: Solid
Analysis Batch: 126040

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126025

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		12/08/25 20:12	12/10/25 00:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:12	12/10/25 00:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*12/08/25 20:12*	*12/10/25 00:24*	*1*
o-Terphenyl	*108*		*70 - 130*	*12/08/25 20:12*	*12/10/25 00:24*	*1*

Lab Sample ID: LCS 880-126025/2-A
Matrix: Solid
Analysis Batch: 126040

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126025

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	893.4		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1125		mg/Kg		112	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*128*		*70 - 130*
o-Terphenyl	*131*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-126025/3-A
Matrix: Solid
Analysis Batch: 126040

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126025

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	878.1		mg/Kg		88	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1082		mg/Kg		108	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*126*		*70 - 130*
o-Terphenyl	*125*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-125958/1-A
Matrix: Solid
Analysis Batch: 126054

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			12/10/25 00:23	1

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9186-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-125958/2-A
Matrix: Solid
Analysis Batch: 126054

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	272.1		mg/Kg		109	90 - 110		

Lab Sample ID: LCSD 880-125958/3-A
Matrix: Solid
Analysis Batch: 126054

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	274.2		mg/Kg		110	90 - 110	1	20

Lab Sample ID: MB 880-125959/1-A
Matrix: Solid
Analysis Batch: 126060

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			12/09/25 18:41	1

Lab Sample ID: LCS 880-125959/2-A
Matrix: Solid
Analysis Batch: 126060

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	249.2		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-125959/3-A
Matrix: Solid
Analysis Batch: 126060

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	250.7		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 890-9186-3 MS
Matrix: Solid
Analysis Batch: 126060

Client Sample ID: BS - 73
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	90.5		248	350.8		mg/Kg		105	90 - 110		

Lab Sample ID: 890-9186-3 MSD
Matrix: Solid
Analysis Batch: 126060

Client Sample ID: BS - 73
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	90.5		248	351.0		mg/Kg		105	90 - 110	0	20

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9186-1
SDG: Lea County NM

GC VOA

Prep Batch: 126030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9186-1	BS - 71	Total/NA	Solid	5035	
890-9186-2	BS - 72	Total/NA	Solid	5035	
890-9186-3	BS - 73	Total/NA	Solid	5035	
890-9186-4	BS - 74	Total/NA	Solid	5035	
890-9186-5	BS - 75	Total/NA	Solid	5035	
890-9186-6	BS - 76	Total/NA	Solid	5035	
890-9186-7	BS - 77	Total/NA	Solid	5035	
890-9186-8	BS - 78	Total/NA	Solid	5035	
890-9186-9	BS - 79	Total/NA	Solid	5035	
890-9186-10	BS - 80	Total/NA	Solid	5035	
MB 880-126030/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126030/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-126030/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9186-1 MS	BS - 71	Total/NA	Solid	5035	
890-9186-1 MSD	BS - 71	Total/NA	Solid	5035	

Analysis Batch: 126035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9186-1	BS - 71	Total/NA	Solid	8021B	126030
890-9186-2	BS - 72	Total/NA	Solid	8021B	126030
890-9186-3	BS - 73	Total/NA	Solid	8021B	126030
890-9186-4	BS - 74	Total/NA	Solid	8021B	126030
890-9186-5	BS - 75	Total/NA	Solid	8021B	126030
890-9186-6	BS - 76	Total/NA	Solid	8021B	126030
890-9186-7	BS - 77	Total/NA	Solid	8021B	126030
890-9186-8	BS - 78	Total/NA	Solid	8021B	126030
890-9186-9	BS - 79	Total/NA	Solid	8021B	126030
890-9186-10	BS - 80	Total/NA	Solid	8021B	126030
MB 880-126030/5-A	Method Blank	Total/NA	Solid	8021B	126030
MB 880-126039/5-A	Method Blank	Total/NA	Solid	8021B	126039
LCS 880-126030/1-A	Lab Control Sample	Total/NA	Solid	8021B	126030
LCSD 880-126030/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126030
890-9186-1 MS	BS - 71	Total/NA	Solid	8021B	126030
890-9186-1 MSD	BS - 71	Total/NA	Solid	8021B	126030

Prep Batch: 126039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-126039/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 126188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9186-1	BS - 71	Total/NA	Solid	Total BTEX	
890-9186-2	BS - 72	Total/NA	Solid	Total BTEX	
890-9186-3	BS - 73	Total/NA	Solid	Total BTEX	
890-9186-4	BS - 74	Total/NA	Solid	Total BTEX	
890-9186-5	BS - 75	Total/NA	Solid	Total BTEX	
890-9186-6	BS - 76	Total/NA	Solid	Total BTEX	
890-9186-7	BS - 77	Total/NA	Solid	Total BTEX	
890-9186-8	BS - 78	Total/NA	Solid	Total BTEX	
890-9186-9	BS - 79	Total/NA	Solid	Total BTEX	
890-9186-10	BS - 80	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9186-1
SDG: Lea County NM

GC Semi VOA

Prep Batch: 126025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9186-1	BS - 71	Total/NA	Solid	8015NM Prep	
890-9186-2	BS - 72	Total/NA	Solid	8015NM Prep	
890-9186-3	BS - 73	Total/NA	Solid	8015NM Prep	
890-9186-4	BS - 74	Total/NA	Solid	8015NM Prep	
890-9186-5	BS - 75	Total/NA	Solid	8015NM Prep	
890-9186-6	BS - 76	Total/NA	Solid	8015NM Prep	
890-9186-7	BS - 77	Total/NA	Solid	8015NM Prep	
890-9186-8	BS - 78	Total/NA	Solid	8015NM Prep	
890-9186-9	BS - 79	Total/NA	Solid	8015NM Prep	
890-9186-10	BS - 80	Total/NA	Solid	8015NM Prep	
MB 880-126025/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126025/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126025/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 126040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9186-1	BS - 71	Total/NA	Solid	8015B NM	126025
890-9186-2	BS - 72	Total/NA	Solid	8015B NM	126025
890-9186-3	BS - 73	Total/NA	Solid	8015B NM	126025
890-9186-4	BS - 74	Total/NA	Solid	8015B NM	126025
890-9186-5	BS - 75	Total/NA	Solid	8015B NM	126025
890-9186-6	BS - 76	Total/NA	Solid	8015B NM	126025
890-9186-7	BS - 77	Total/NA	Solid	8015B NM	126025
890-9186-8	BS - 78	Total/NA	Solid	8015B NM	126025
890-9186-9	BS - 79	Total/NA	Solid	8015B NM	126025
890-9186-10	BS - 80	Total/NA	Solid	8015B NM	126025
MB 880-126025/1-A	Method Blank	Total/NA	Solid	8015B NM	126025
LCS 880-126025/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126025
LCSD 880-126025/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126025

Analysis Batch: 126245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9186-1	BS - 71	Total/NA	Solid	8015 NM	
890-9186-2	BS - 72	Total/NA	Solid	8015 NM	
890-9186-3	BS - 73	Total/NA	Solid	8015 NM	
890-9186-4	BS - 74	Total/NA	Solid	8015 NM	
890-9186-5	BS - 75	Total/NA	Solid	8015 NM	
890-9186-6	BS - 76	Total/NA	Solid	8015 NM	
890-9186-7	BS - 77	Total/NA	Solid	8015 NM	
890-9186-8	BS - 78	Total/NA	Solid	8015 NM	
890-9186-9	BS - 79	Total/NA	Solid	8015 NM	
890-9186-10	BS - 80	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 125958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9186-1	BS - 71	Soluble	Solid	DI Leach	
890-9186-2	BS - 72	Soluble	Solid	DI Leach	
MB 880-125958/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-125958/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9186-1
SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 125958 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-125958/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 125959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9186-3	BS - 73	Soluble	Solid	DI Leach	
890-9186-4	BS - 74	Soluble	Solid	DI Leach	
890-9186-5	BS - 75	Soluble	Solid	DI Leach	
890-9186-6	BS - 76	Soluble	Solid	DI Leach	
890-9186-7	BS - 77	Soluble	Solid	DI Leach	
890-9186-8	BS - 78	Soluble	Solid	DI Leach	
890-9186-9	BS - 79	Soluble	Solid	DI Leach	
890-9186-10	BS - 80	Soluble	Solid	DI Leach	
MB 880-125959/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-125959/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-125959/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9186-3 MS	BS - 73	Soluble	Solid	DI Leach	
890-9186-3 MSD	BS - 73	Soluble	Solid	DI Leach	

Analysis Batch: 126054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9186-1	BS - 71	Soluble	Solid	300.0	125958
890-9186-2	BS - 72	Soluble	Solid	300.0	125958
MB 880-125958/1-A	Method Blank	Soluble	Solid	300.0	125958
LCS 880-125958/2-A	Lab Control Sample	Soluble	Solid	300.0	125958
LCSD 880-125958/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	125958

Analysis Batch: 126060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9186-3	BS - 73	Soluble	Solid	300.0	125959
890-9186-4	BS - 74	Soluble	Solid	300.0	125959
890-9186-5	BS - 75	Soluble	Solid	300.0	125959
890-9186-6	BS - 76	Soluble	Solid	300.0	125959
890-9186-7	BS - 77	Soluble	Solid	300.0	125959
890-9186-8	BS - 78	Soluble	Solid	300.0	125959
890-9186-9	BS - 79	Soluble	Solid	300.0	125959
890-9186-10	BS - 80	Soluble	Solid	300.0	125959
MB 880-125959/1-A	Method Blank	Soluble	Solid	300.0	125959
LCS 880-125959/2-A	Lab Control Sample	Soluble	Solid	300.0	125959
LCSD 880-125959/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	125959
890-9186-3 MS	BS - 73	Soluble	Solid	300.0	125959
890-9186-3 MSD	BS - 73	Soluble	Solid	300.0	125959

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9186-1
SDG: Lea County NM

Client Sample ID: BS - 71
Date Collected: 12/02/25 13:50
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9186-1
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			5.01 g	5 mL	126030	12/09/25 08:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126035	12/09/25 22:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126188	12/09/25 22:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			126245	12/10/25 03:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126025	12/08/25 20:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/10/25 03:16	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	125958	12/08/25 14:36	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126054	12/10/25 03:07	CS	EET MID

Client Sample ID: BS - 72
Date Collected: 12/02/25 13:55
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9186-2
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			4.98 g	5 mL	126030	12/09/25 08:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126035	12/09/25 22:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126188	12/09/25 22:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			126245	12/10/25 03:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126025	12/08/25 20:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/10/25 03:29	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	125958	12/08/25 14:36	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126054	12/10/25 03:12	CS	EET MID

Client Sample ID: BS - 73
Date Collected: 12/02/25 14:00
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9186-3
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			5.03 g	5 mL	126030	12/09/25 08:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126035	12/09/25 23:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126188	12/09/25 23:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			126245	12/10/25 03:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	126025	12/08/25 20:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/10/25 03:43	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125959	12/08/25 14:38	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126060	12/09/25 18:56	CS	EET MID

Client Sample ID: BS - 74
Date Collected: 12/02/25 14:05
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9186-4
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			5.05 g	5 mL	126030	12/09/25 08:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126035	12/09/25 23:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126188	12/09/25 23:24	SA	EET MID

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9186-1
SDG: Lea County NM

Client Sample ID: BS - 74

Date Collected: 12/02/25 14:05
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9186-4

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			126245	12/10/25 04:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126025	12/08/25 20:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/10/25 04:12	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	125959	12/08/25 14:38	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126060	12/09/25 19:10	CS	EET MID

Client Sample ID: BS - 75

Date Collected: 12/02/25 14:10
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9186-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	126030	12/09/25 08:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126035	12/09/25 23:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126188	12/09/25 23:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			126245	12/10/25 04:26	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126025	12/08/25 20:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/10/25 04:26	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125959	12/08/25 14:38	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126060	12/09/25 19:15	CS	EET MID

Client Sample ID: BS - 76

Date Collected: 12/02/25 14:15
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9186-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	126030	12/09/25 08:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126035	12/10/25 00:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126188	12/10/25 00:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			126245	12/10/25 04:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126025	12/08/25 20:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/10/25 04:41	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	125959	12/08/25 14:38	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126060	12/09/25 19:20	CS	EET MID

Client Sample ID: BS - 77

Date Collected: 12/02/25 14:20
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9186-7

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			5.03 g	5 mL	126030	12/09/25 08:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126035	12/10/25 00:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126188	12/10/25 00:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			126245	12/10/25 04:55	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126025	12/08/25 20:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/10/25 04:55	FC	EET MID

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9186-1
SDG: Lea County NM

Client Sample ID: BS - 77
Date Collected: 12/02/25 14:20
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9186-7
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	50 mL	125959	12/08/25 14:38	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126060	12/09/25 19:25	CS	EET MID

Client Sample ID: BS - 78
Date Collected: 12/02/25 14:25
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9186-8
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			5.05 g	5 mL	126030	12/09/25 08:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126035	12/10/25 00:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126188	12/10/25 00:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			126245	12/10/25 05:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126025	12/08/25 20:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/10/25 05:09	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	125959	12/08/25 14:38	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126060	12/09/25 19:40	CS	EET MID

Client Sample ID: BS - 79
Date Collected: 12/02/25 14:30
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9186-9
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	126030	12/09/25 08:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126035	12/10/25 01:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126188	12/10/25 01:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			126245	12/10/25 05:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126025	12/08/25 20:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/10/25 05:23	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125959	12/08/25 14:38	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126060	12/09/25 19:45	CS	EET MID

Client Sample ID: BS - 80
Date Collected: 12/02/25 14:35
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9186-10
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			4.98 g	5 mL	126030	12/09/25 08:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126035	12/10/25 01:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126188	12/10/25 01:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			126245	12/10/25 05:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126025	12/08/25 20:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/10/25 05:37	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	125959	12/08/25 14:38	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126060	12/09/25 19:50	CS	EET MID

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9186-1
SDG: Lea County NM

Laboratory References:

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

Accreditation/Certification Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9186-1
SDG: Lea 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	06-30-26

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: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9186-1
SDG: Lea 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: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9186-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9186-1	BS - 71	Solid	12/02/25 13:50	12/08/25 09:06	3'
890-9186-2	BS - 72	Solid	12/02/25 13:55	12/08/25 09:06	3'
890-9186-3	BS - 73	Solid	12/02/25 14:00	12/08/25 09:06	3'
890-9186-4	BS - 74	Solid	12/02/25 14:05	12/08/25 09:06	3'
890-9186-5	BS - 75	Solid	12/02/25 14:10	12/08/25 09:06	2'
890-9186-6	BS - 76	Solid	12/02/25 14:15	12/08/25 09:06	2'
890-9186-7	BS - 77	Solid	12/02/25 14:20	12/08/25 09:06	2'
890-9186-8	BS - 78	Solid	12/02/25 14:25	12/08/25 09:06	2'
890-9186-9	BS - 79	Solid	12/02/25 14:30	12/08/25 09:06	0.5'
890-9186-10	BS - 80	Solid	12/02/25 14:35	12/08/25 09:06	0.5'

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12/10/2025

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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

Work Order No: _____

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Project Manager:	Dimitry Nikanorov	Bill to: (if different)	
Company Name:	McNabb Partners	Company Name:	
Address:	5014 W Carlsbad Hwy	Address:	
City, State ZIP:	Hobbs, NM 882240	City, State ZIP:	
Phone:	Dimitry Nikanorov	Email:	

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:

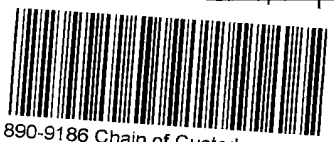
Project Name:	MorningStar Casa State 001	Turn Around	
Project Number:		☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	48 hrs
Sampler's Name:	Dimitry Nikanorov	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	Tmcc7	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-2.2	
Total Containers:		Corrected Temperature:	-2.0	

ANALYSIS REQUEST

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2S0_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC



Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX (8021B)	TPH (8015M GRO+DRO+ORO)	Chloride (EPA 300.0)	Sample Comments
BS-71	3'	12/2/2025	13:50	X		Comp	1		X	X	X	
BS-72	3'	12/2/2025	13:55	X		Comp	1		X	X	X	
BS-73	3'	12/2/2025	14:00	X		Comp	1		X	X	X	
BS-74	3'	12/2/2025	14:05	X		Comp	1		X	X	X	
BS-75	2'	12/2/2025	14:10	X		Comp	1		X	X	X	
BS-76	2'	12/2/2025	14:15	X		Comp	1		X	X	X	
BS-77	2'	12/2/2025	14:20	X		Comp	1		X	X	X	
BS-78	2'	12/2/2025	14:25	X		Comp	1		X	X	X	
BS-79	0.5'	12/2/2025	14:30	X		Comp	1		X	X	X	
BS-80	0.5'	12/2/2025	14:35	X		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 SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 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
1 DV		12-8 906	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Received by OCD: 4/9/2026 12:41:38 PM

Released to Imaging: 5/6/2026 10:32:00 AM

Login Sample Receipt Checklist

Client: McNabb Partners

Job Number: 890-9186-1
SDG Number: Lea County NM

Login Number: 9186
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: McNabb Partners

Job Number: 890-9186-1
SDG Number: Lea County NM

Login Number: 9186
List Number: 2
Creator: Vasquez, Julisa

List Source: Eurofins Midland
List Creation: 12/09/25 09:01 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	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Dimitry Nikanorov
McNabb Partners
5014 W Carlsbad Hwy
Hobbs, New Mexico 88240

Generated 12/10/2025 12:49:36 PM

JOB DESCRIPTION

MorningStar Casa State 001
Lea County NM

JOB NUMBER

890-9187-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

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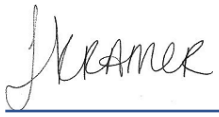
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Job Notes

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
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Laboratory Job ID: 890-9187-1
SDG: Lea County NM

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Definitions/Glossary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9187-1
SDG: Lea 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: McNabb Partners
Project: MorningStar Casa State 001

Job ID: 890-9187-1

Job ID: 890-9187-1 Eurofins Carlsbad

Job Narrative
890-9187-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 12/8/2025 9:57 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.2°C.

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-126031 and analytical batch 880-126051 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BS-32 (890-9187-2), BS-34 (890-9187-4), BS-37 (890-9187-7), BS-38 (890-9187-8) and BS-39 (890-9187-9). 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: Surrogate recovery for the following samples were outside control limits: BS-34 (890-9187-4), BS-36 (890-9187-6) and BS-37 (890-9187-7). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-9187-A-4-C MS) and (890-9187-A-4-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BS-35 (890-9187-5), BS-39 (890-9187-9), BS-40 (890-9187-10) and (MB 880-126026/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-126026/2-A) and (LCSD 880-126026/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-126025/2-A). 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.

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

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9187-1
SDG: Lea County NM

Client Sample ID: BS-31

Lab Sample ID: 890-9187-1
Matrix: Solid
Date Collected: 12/02/25 10:30
Date Received: 12/08/25 09:57
Sample Depth: 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		12/09/25 08:12	12/09/25 13:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 13:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 13:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 08:12	12/09/25 13:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 13:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 08:12	12/09/25 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*12/09/25 08:12*	*12/09/25 13:23*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*12/09/25 08:12*	*12/09/25 13:23*	*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			12/09/25 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/10/25 05:51	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	<49.9	U	49.9		mg/Kg		12/08/25 20:12	12/10/25 05:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 20:12	12/10/25 05:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 20:12	12/10/25 05:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*12/08/25 20:12*	*12/10/25 05:51*	*1*
o-Terphenyl	*116*		*70 - 130*	*12/08/25 20:12*	*12/10/25 05:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.8**		10.1		mg/Kg			12/09/25 19:55	1

Client Sample ID: BS-32

Lab Sample ID: 890-9187-2
Matrix: Solid
Date Collected: 12/02/25 10:35
Date Received: 12/08/25 09:57
Sample Depth: 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		12/09/25 08:12	12/09/25 13:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:12	12/09/25 13:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:12	12/09/25 13:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 08:12	12/09/25 13:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:12	12/09/25 13:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 08:12	12/09/25 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*167*	*S1+*	*70 - 130*	*12/09/25 08:12*	*12/09/25 13:43*	*1*

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Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9187-1
SDG: Lea County NM

Client Sample ID: BS-32

Lab Sample ID: 890-9187-2
Matrix: Solid
Date Collected: 12/02/25 10:35
Date Received: 12/08/25 09:57
Sample Depth: 5'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*	*12/09/25 08:12*	*12/09/25 13:43*	*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			12/09/25 13:43	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			12/10/25 06:06	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		12/08/25 20:12	12/10/25 06:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:12	12/10/25 06:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:12	12/10/25 06:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*12/08/25 20:12*	*12/10/25 06:06*	*1*
o-Terphenyl	*119*		*70 - 130*	*12/08/25 20:12*	*12/10/25 06:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**230**		9.94		mg/Kg			12/09/25 20:00	1

Client Sample ID: BS-33

Lab Sample ID: 890-9187-3
Matrix: Solid
Date Collected: 12/02/25 10:40
Date Received: 12/08/25 09:57
Sample Depth: 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		12/09/25 08:12	12/09/25 14:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:12	12/09/25 14:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:12	12/09/25 14:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 08:12	12/09/25 14:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:12	12/09/25 14:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 08:12	12/09/25 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*12/09/25 08:12*	*12/09/25 14:04*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*12/09/25 08:12*	*12/09/25 14:04*	*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			12/09/25 14:04	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			12/10/25 06:20	1

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Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9187-1
SDG: Lea County NM

Client Sample ID: BS-33

Lab Sample ID: 890-9187-3
Matrix: Solid
Date Collected: 12/02/25 10:40
Date Received: 12/08/25 09:57
Sample Depth: 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	<50.1	U	50.1		mg/Kg		12/08/25 20:12	12/10/25 06:20	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/08/25 20:12	12/10/25 06:20	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/08/25 20:12	12/10/25 06:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*12/08/25 20:12*	*12/10/25 06:20*	*1*
o-Terphenyl	*115*		*70 - 130*	*12/08/25 20:12*	*12/10/25 06:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**31.8**		9.92		mg/Kg			12/09/25 20:05	1

Client Sample ID: BS-34

Lab Sample ID: 890-9187-4
Matrix: Solid
Date Collected: 12/02/25 10:45
Date Received: 12/08/25 09:57
Sample Depth: 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		12/09/25 08:12	12/09/25 14:24	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/09/25 08:12	12/09/25 14:24	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/09/25 08:12	12/09/25 14:24	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/09/25 08:12	12/09/25 14:24	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/09/25 08:12	12/09/25 14:24	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/09/25 08:12	12/09/25 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*12/09/25 08:12*	*12/09/25 14:24*	*1*
1,4-Difluorobenzene (Surr)	*126*		*70 - 130*	*12/09/25 08:12*	*12/09/25 14:24*	*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			12/09/25 14:24	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			12/10/25 01:07	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		12/08/25 20:13	12/10/25 01:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/10/25 01:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/10/25 01:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*145*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 01:07*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 01:07*	*1*

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9187-1
SDG: Lea County NM

Client Sample ID: BS-34

Lab Sample ID: 890-9187-4
Matrix: Solid
Date Collected: 12/02/25 10:45
Date Received: 12/08/25 09:57
Sample Depth: 5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	175		9.94		mg/Kg			12/09/25 20:19	1

Client Sample ID: BS-35

Lab Sample ID: 890-9187-5
Matrix: Solid
Date Collected: 12/02/25 10:50
Date Received: 12/08/25 09:57
Sample Depth: 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		12/09/25 08:12	12/09/25 14:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 14:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 14:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 08:12	12/09/25 14:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 14:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 08:12	12/09/25 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*12/09/25 08:12*	*12/09/25 14:45*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*12/09/25 08:12*	*12/09/25 14:45*	*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			12/09/25 14:45	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			12/10/25 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	<50.3	U	50.3		mg/Kg		12/08/25 20:13	12/10/25 01:49	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		12/08/25 20:13	12/10/25 01:49	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		12/08/25 20:13	12/10/25 01:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*138*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 01:49*	*1*
o-Terphenyl	*128*		*70 - 130*	*12/08/25 20:13*	*12/10/25 01:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.7		9.98		mg/Kg			12/09/25 20:24	1

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9187-1
SDG: Lea County NM

Client Sample ID: BS-36

Lab Sample ID: 890-9187-6
Matrix: Solid
Date Collected: 12/02/25 10:55
Date Received: 12/08/25 09:57
Sample Depth: 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		12/09/25 08:12	12/09/25 15:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:12	12/09/25 15:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:12	12/09/25 15:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 08:12	12/09/25 15:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:12	12/09/25 15:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 08:12	12/09/25 15:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*12/09/25 08:12*	*12/09/25 15:05*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*12/09/25 08:12*	*12/09/25 15:05*	*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			12/09/25 15:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/10/25 02:03	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	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/10/25 02:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/10/25 02:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/10/25 02:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*142*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 02:03*	*1*
o-Terphenyl	*136*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 02:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**189**		10.0		mg/Kg			12/09/25 20:39	1

Client Sample ID: BS-37

Lab Sample ID: 890-9187-7
Matrix: Solid
Date Collected: 12/02/25 11:00
Date Received: 12/08/25 09:57
Sample Depth: 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		12/09/25 08:12	12/09/25 15:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:12	12/09/25 15:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:12	12/09/25 15:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 08:12	12/09/25 15:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:12	12/09/25 15:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 08:12	12/09/25 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*12/09/25 08:12*	*12/09/25 15:25*	*1*

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Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9187-1
SDG: Lea County NM

Client Sample ID: BS-37

Lab Sample ID: 890-9187-7
Matrix: Solid
Date Collected: 12/02/25 11:00
Date Received: 12/08/25 09:57
Sample Depth: 5'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*12/09/25 08:12*	*12/09/25 15:25*	*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			12/09/25 15:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/10/25 02:18	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	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 02:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 02:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 02:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*141*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 02:18*	*1*
o-Terphenyl	*137*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 02:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.1**		10.1		mg/Kg			12/09/25 20:44	1

Client Sample ID: BS-38

Lab Sample ID: 890-9187-8
Matrix: Solid
Date Collected: 12/02/25 11:05
Date Received: 12/08/25 09:57
Sample Depth: 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		12/09/25 08:12	12/09/25 15:46	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/09/25 08:12	12/09/25 15:46	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/09/25 08:12	12/09/25 15:46	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/09/25 08:12	12/09/25 15:46	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/09/25 08:12	12/09/25 15:46	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/09/25 08:12	12/09/25 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*191*	*S1+*	*70 - 130*	*12/09/25 08:12*	*12/09/25 15:46*	*1*
1,4-Difluorobenzene (Surr)	*129*		*70 - 130*	*12/09/25 08:12*	*12/09/25 15:46*	*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			12/09/25 15:46	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			12/10/25 02:33	1

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Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9187-1
SDG: Lea County NM

Client Sample ID: BS-38

Lab Sample ID: 890-9187-8
Matrix: Solid
Date Collected: 12/02/25 11:05
Date Received: 12/08/25 09:57
Sample Depth: 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	<50.1	U	50.1		mg/Kg		12/08/25 20:13	12/10/25 02:33	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/08/25 20:13	12/10/25 02:33	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/08/25 20:13	12/10/25 02:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*12/08/25 20:13*	*12/10/25 02:33*	*1*
o-Terphenyl	*125*		*70 - 130*	*12/08/25 20:13*	*12/10/25 02:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**356**		9.94		mg/Kg			12/09/25 20:49	1

Client Sample ID: BS-39

Lab Sample ID: 890-9187-9
Matrix: Solid
Date Collected: 12/02/25 11:10
Date Received: 12/08/25 09:57
Sample Depth: 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		12/09/25 08:12	12/09/25 16:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 16:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 16:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 08:12	12/09/25 16:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 16:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 08:12	12/09/25 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*336*	*S1+*	*70 - 130*	*12/09/25 08:12*	*12/09/25 16:06*	*1*
1,4-Difluorobenzene (Surr)	*124*		*70 - 130*	*12/09/25 08:12*	*12/09/25 16:06*	*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			12/09/25 16:06	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			12/10/25 02:46	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	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 02:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 02:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 02:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*136*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 02:46*	*1*
o-Terphenyl	*129*		*70 - 130*	*12/08/25 20:13*	*12/10/25 02:46*	*1*

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9187-1
SDG: Lea County NM

Client Sample ID: BS-39

Lab Sample ID: 890-9187-9
Matrix: Solid
Date Collected: 12/02/25 11:10
Date Received: 12/08/25 09:57
Sample Depth: 5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	258		9.98		mg/Kg			12/09/25 20:54	1

Client Sample ID: BS-40

Lab Sample ID: 890-9187-10
Matrix: Solid
Date Collected: 12/02/25 11:15
Date Received: 12/08/25 09:57
Sample Depth: 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		12/09/25 08:12	12/09/25 16:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:12	12/09/25 16:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:12	12/09/25 16:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 08:12	12/09/25 16:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:12	12/09/25 16:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 08:12	12/09/25 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*12/09/25 08:12*	*12/09/25 16:27*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*12/09/25 08:12*	*12/09/25 16:27*	*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			12/09/25 16:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/10/25 03:01	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		12/08/25 20:13	12/10/25 03:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/10/25 03:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/10/25 03:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 03:01*	*1*
o-Terphenyl	*124*		*70 - 130*	*12/08/25 20:13*	*12/10/25 03:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		10.0		mg/Kg			12/09/25 20:59	1

Surrogate Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9187-1
SDG: Lea 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)
890-9187-1	BS-31	123	109
890-9187-1 MS	BS-31	101	104
890-9187-1 MSD	BS-31	103	100
890-9187-2	BS-32	167 S1+	123
890-9187-3	BS-33	113	110
890-9187-4	BS-34	136 S1+	126
890-9187-5	BS-35	126	115
890-9187-6	BS-36	124	117
890-9187-7	BS-37	139 S1+	109
890-9187-8	BS-38	191 S1+	129
890-9187-9	BS-39	336 S1+	124
890-9187-10	BS-40	125	118
LCS 880-126031/1-A	Lab Control Sample	104	104
LCSD 880-126031/2-A	Lab Control Sample Dup	97	96
MB 880-126031/5-A	Method Blank	180 S1+	102

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)
890-9187-1	BS-31	99	116
890-9187-2	BS-32	104	119
890-9187-3	BS-33	97	115
890-9187-4	BS-34	145 S1+	132 S1+
890-9187-4 MS	BS-34	154 S1+	128
890-9187-4 MSD	BS-34	156 S1+	129
890-9187-5	BS-35	138 S1+	128
890-9187-6	BS-36	142 S1+	136 S1+
890-9187-7	BS-37	141 S1+	137 S1+
890-9187-8	BS-38	125	125
890-9187-9	BS-39	136 S1+	129
890-9187-10	BS-40	133 S1+	124
LCS 880-126025/2-A	Lab Control Sample	128	131 S1+
LCS 880-126026/2-A	Lab Control Sample	158 S1+	126
LCSD 880-126025/3-A	Lab Control Sample Dup	126	125
LCSD 880-126026/3-A	Lab Control Sample Dup	160 S1+	128
MB 880-126025/1-A	Method Blank	105	108
MB 880-126026/1-A	Method Blank	134 S1+	115

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9187-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-126031/5-A
Matrix: Solid
Analysis Batch: 126051

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126031

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 12:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 12:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 12:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 08:12	12/09/25 12:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 12:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 08:12	12/09/25 12:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*180*	*S1+*	*70 - 130*	*12/09/25 08:12*	*12/09/25 12:54*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/09/25 08:12*	*12/09/25 12:54*	*1*

Lab Sample ID: LCS 880-126031/1-A
Matrix: Solid
Analysis Batch: 126051

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126031

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	0.09658		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.1134		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	0.200	0.2221		mg/Kg		111	70 - 130
o-Xylene	0.100	0.1070		mg/Kg		107	70 - 130

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

Lab Sample ID: LCSD 880-126031/2-A
Matrix: Solid
Analysis Batch: 126051

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126031

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09708		mg/Kg		97	70 - 130	11	35
Toluene	0.100	0.1003		mg/Kg		100	70 - 130	4	35
Ethylbenzene	0.100	0.1208		mg/Kg		121	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2106		mg/Kg		105	70 - 130	5	35
o-Xylene	0.100	0.09748		mg/Kg		97	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 890-9187-1 MS
Matrix: Solid
Analysis Batch: 126051

Client Sample ID: BS-31
Prep Type: Total/NA
Prep Batch: 126031

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1057		mg/Kg		106	70 - 130
Toluene	<0.00200	U	0.100	0.08730		mg/Kg		87	70 - 130

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9187-1
SDG: Lea County NM

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

Lab Sample ID: 890-9187-1 MS
Matrix: Solid
Analysis Batch: 126051

Client Sample ID: BS-31
Prep Type: Total/NA
Prep Batch: 126031

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.1104		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2075		mg/Kg		104	70 - 130
o-Xylene	<0.00200	U	0.100	0.09939		mg/Kg		99	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 890-9187-1 MSD
Matrix: Solid
Analysis Batch: 126051

Client Sample ID: BS-31
Prep Type: Total/NA
Prep Batch: 126031

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	0.09815		mg/Kg		98	70 - 130	7	35
Toluene	<0.00200	U	0.100	0.08637		mg/Kg		86	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.100	0.09245		mg/Kg		92	70 - 130	18	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1991		mg/Kg		100	70 - 130	4	35
o-Xylene	<0.00200	U	0.100	0.09652		mg/Kg		97	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
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 880-126025/1-A
Matrix: Solid
Analysis Batch: 126040

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126025

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		12/08/25 20:12	12/10/25 00:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:12	12/10/25 00:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:12	12/10/25 00:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*12/08/25 20:12*	*12/10/25 00:24*	*1*
o-Terphenyl	*108*		*70 - 130*	*12/08/25 20:12*	*12/10/25 00:24*	*1*

Lab Sample ID: LCS 880-126025/2-A
Matrix: Solid
Analysis Batch: 126040

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126025

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	893.4		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1125		mg/Kg		112	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9187-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-126025/2-A
Matrix: Solid
Analysis Batch: 126040

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126025

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	128		70 - 130
o-Terphenyl	131	S1+	70 - 130

Lab Sample ID: LCSD 880-126025/3-A
Matrix: Solid
Analysis Batch: 126040

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126025

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	878.1		mg/Kg		88	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1082		mg/Kg		108	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	126		70 - 130
o-Terphenyl	125		70 - 130

Lab Sample ID: MB 880-126026/1-A
Matrix: Solid
Analysis Batch: 126037

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126026

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		12/08/25 20:13	12/10/25 00:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 00:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 00:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130	12/08/25 20:13	12/10/25 00:24	1
o-Terphenyl	115		70 - 130	12/08/25 20:13	12/10/25 00:24	1

Lab Sample ID: LCS 880-126026/2-A
Matrix: Solid
Analysis Batch: 126037

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126026

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	837.8		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)			1000	1031		mg/Kg		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	158	S1+	70 - 130
o-Terphenyl	126		70 - 130

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9187-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-126026/3-A
Matrix: Solid
Analysis Batch: 126037

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126026

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	840.0		mg/Kg		84	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	1054		mg/Kg		105	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*160*	*S1+*	*70 - 130*
o-Terphenyl	*128*		*70 - 130*

Lab Sample ID: 890-9187-4 MS
Matrix: Solid
Analysis Batch: 126037

Client Sample ID: BS-34
Prep Type: Total/NA
Prep Batch: 126026

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	717.5		mg/Kg		72	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	902.8		mg/Kg		90	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*154*	*S1+*	*70 - 130*
o-Terphenyl	*128*		*70 - 130*

Lab Sample ID: 890-9187-4 MSD
Matrix: Solid
Analysis Batch: 126037

Client Sample ID: BS-34
Prep Type: Total/NA
Prep Batch: 126026

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	736.6		mg/Kg		74	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	937.1		mg/Kg		94	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*156*	*S1+*	*70 - 130*
o-Terphenyl	*129*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-125959/1-A
Matrix: Solid
Analysis Batch: 126060

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			12/09/25 18:41	1

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9187-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-125959/2-A
Matrix: Solid
Analysis Batch: 126060

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	249.2		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-125959/3-A
Matrix: Solid
Analysis Batch: 126060

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	250.7		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 890-9187-3 MS
Matrix: Solid
Analysis Batch: 126060

Client Sample ID: BS-33
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	31.8		248	283.5		mg/Kg		101	90 - 110		

Lab Sample ID: 890-9187-3 MSD
Matrix: Solid
Analysis Batch: 126060

Client Sample ID: BS-33
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	31.8		248	283.7		mg/Kg		102	90 - 110	0	20

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9187-1
SDG: Lea County NM

GC VOA

Prep Batch: 126031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9187-1	BS-31	Total/NA	Solid	5035	
890-9187-2	BS-32	Total/NA	Solid	5035	
890-9187-3	BS-33	Total/NA	Solid	5035	
890-9187-4	BS-34	Total/NA	Solid	5035	
890-9187-5	BS-35	Total/NA	Solid	5035	
890-9187-6	BS-36	Total/NA	Solid	5035	
890-9187-7	BS-37	Total/NA	Solid	5035	
890-9187-8	BS-38	Total/NA	Solid	5035	
890-9187-9	BS-39	Total/NA	Solid	5035	
890-9187-10	BS-40	Total/NA	Solid	5035	
MB 880-126031/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126031/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-126031/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9187-1 MS	BS-31	Total/NA	Solid	5035	
890-9187-1 MSD	BS-31	Total/NA	Solid	5035	

Analysis Batch: 126051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9187-1	BS-31	Total/NA	Solid	8021B	126031
890-9187-2	BS-32	Total/NA	Solid	8021B	126031
890-9187-3	BS-33	Total/NA	Solid	8021B	126031
890-9187-4	BS-34	Total/NA	Solid	8021B	126031
890-9187-5	BS-35	Total/NA	Solid	8021B	126031
890-9187-6	BS-36	Total/NA	Solid	8021B	126031
890-9187-7	BS-37	Total/NA	Solid	8021B	126031
890-9187-8	BS-38	Total/NA	Solid	8021B	126031
890-9187-9	BS-39	Total/NA	Solid	8021B	126031
890-9187-10	BS-40	Total/NA	Solid	8021B	126031
MB 880-126031/5-A	Method Blank	Total/NA	Solid	8021B	126031
LCS 880-126031/1-A	Lab Control Sample	Total/NA	Solid	8021B	126031
LCSD 880-126031/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126031
890-9187-1 MS	BS-31	Total/NA	Solid	8021B	126031
890-9187-1 MSD	BS-31	Total/NA	Solid	8021B	126031

Analysis Batch: 126247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9187-1	BS-31	Total/NA	Solid	Total BTEX	
890-9187-2	BS-32	Total/NA	Solid	Total BTEX	
890-9187-3	BS-33	Total/NA	Solid	Total BTEX	
890-9187-4	BS-34	Total/NA	Solid	Total BTEX	
890-9187-5	BS-35	Total/NA	Solid	Total BTEX	
890-9187-6	BS-36	Total/NA	Solid	Total BTEX	
890-9187-7	BS-37	Total/NA	Solid	Total BTEX	
890-9187-8	BS-38	Total/NA	Solid	Total BTEX	
890-9187-9	BS-39	Total/NA	Solid	Total BTEX	
890-9187-10	BS-40	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9187-1
SDG: Lea County NM

GC Semi VOA

Prep Batch: 126025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9187-1	BS-31	Total/NA	Solid	8015NM Prep	
890-9187-2	BS-32	Total/NA	Solid	8015NM Prep	
890-9187-3	BS-33	Total/NA	Solid	8015NM Prep	
MB 880-126025/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126025/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126025/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 126026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9187-4	BS-34	Total/NA	Solid	8015NM Prep	
890-9187-5	BS-35	Total/NA	Solid	8015NM Prep	
890-9187-6	BS-36	Total/NA	Solid	8015NM Prep	
890-9187-7	BS-37	Total/NA	Solid	8015NM Prep	
890-9187-8	BS-38	Total/NA	Solid	8015NM Prep	
890-9187-9	BS-39	Total/NA	Solid	8015NM Prep	
890-9187-10	BS-40	Total/NA	Solid	8015NM Prep	
MB 880-126026/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126026/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126026/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9187-4 MS	BS-34	Total/NA	Solid	8015NM Prep	
890-9187-4 MSD	BS-34	Total/NA	Solid	8015NM Prep	

Analysis Batch: 126037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9187-4	BS-34	Total/NA	Solid	8015B NM	126026
890-9187-5	BS-35	Total/NA	Solid	8015B NM	126026
890-9187-6	BS-36	Total/NA	Solid	8015B NM	126026
890-9187-7	BS-37	Total/NA	Solid	8015B NM	126026
890-9187-8	BS-38	Total/NA	Solid	8015B NM	126026
890-9187-9	BS-39	Total/NA	Solid	8015B NM	126026
890-9187-10	BS-40	Total/NA	Solid	8015B NM	126026
MB 880-126026/1-A	Method Blank	Total/NA	Solid	8015B NM	126026
LCS 880-126026/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126026
LCSD 880-126026/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126026
890-9187-4 MS	BS-34	Total/NA	Solid	8015B NM	126026
890-9187-4 MSD	BS-34	Total/NA	Solid	8015B NM	126026

Analysis Batch: 126040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9187-1	BS-31	Total/NA	Solid	8015B NM	126025
890-9187-2	BS-32	Total/NA	Solid	8015B NM	126025
890-9187-3	BS-33	Total/NA	Solid	8015B NM	126025
MB 880-126025/1-A	Method Blank	Total/NA	Solid	8015B NM	126025
LCS 880-126025/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126025
LCSD 880-126025/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126025

Analysis Batch: 126232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9187-1	BS-31	Total/NA	Solid	8015 NM	
890-9187-2	BS-32	Total/NA	Solid	8015 NM	
890-9187-3	BS-33	Total/NA	Solid	8015 NM	

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9187-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 126232 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9187-4	BS-34	Total/NA	Solid	8015 NM	
890-9187-5	BS-35	Total/NA	Solid	8015 NM	
890-9187-6	BS-36	Total/NA	Solid	8015 NM	
890-9187-7	BS-37	Total/NA	Solid	8015 NM	
890-9187-8	BS-38	Total/NA	Solid	8015 NM	
890-9187-9	BS-39	Total/NA	Solid	8015 NM	
890-9187-10	BS-40	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 125959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9187-1	BS-31	Soluble	Solid	DI Leach	
890-9187-2	BS-32	Soluble	Solid	DI Leach	
890-9187-3	BS-33	Soluble	Solid	DI Leach	
890-9187-4	BS-34	Soluble	Solid	DI Leach	
890-9187-5	BS-35	Soluble	Solid	DI Leach	
890-9187-6	BS-36	Soluble	Solid	DI Leach	
890-9187-7	BS-37	Soluble	Solid	DI Leach	
890-9187-8	BS-38	Soluble	Solid	DI Leach	
890-9187-9	BS-39	Soluble	Solid	DI Leach	
890-9187-10	BS-40	Soluble	Solid	DI Leach	
MB 880-125959/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-125959/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-125959/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9187-3 MS	BS-33	Soluble	Solid	DI Leach	
890-9187-3 MSD	BS-33	Soluble	Solid	DI Leach	

Analysis Batch: 126060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9187-1	BS-31	Soluble	Solid	300.0	125959
890-9187-2	BS-32	Soluble	Solid	300.0	125959
890-9187-3	BS-33	Soluble	Solid	300.0	125959
890-9187-4	BS-34	Soluble	Solid	300.0	125959
890-9187-5	BS-35	Soluble	Solid	300.0	125959
890-9187-6	BS-36	Soluble	Solid	300.0	125959
890-9187-7	BS-37	Soluble	Solid	300.0	125959
890-9187-8	BS-38	Soluble	Solid	300.0	125959
890-9187-9	BS-39	Soluble	Solid	300.0	125959
890-9187-10	BS-40	Soluble	Solid	300.0	125959
MB 880-125959/1-A	Method Blank	Soluble	Solid	300.0	125959
LCS 880-125959/2-A	Lab Control Sample	Soluble	Solid	300.0	125959
LCSD 880-125959/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	125959
890-9187-3 MS	BS-33	Soluble	Solid	300.0	125959
890-9187-3 MSD	BS-33	Soluble	Solid	300.0	125959

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9187-1
SDG: Lea County NM

Client Sample ID: BS-31

Date Collected: 12/02/25 10:30
Date Received: 12/08/25 09:57

Lab Sample ID: 890-9187-1
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			5.01 g	5 mL	126031	12/09/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/09/25 13:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126247	12/09/25 13:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			126232	12/10/25 05:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126025	12/08/25 20:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/10/25 05:51	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	125959	12/08/25 14:38	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126060	12/09/25 19:55	CS	EET MID

Client Sample ID: BS-32

Date Collected: 12/02/25 10:35
Date Received: 12/08/25 09:57

Lab Sample ID: 890-9187-2
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			4.98 g	5 mL	126031	12/09/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/09/25 13:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126247	12/09/25 13:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			126232	12/10/25 06:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126025	12/08/25 20:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/10/25 06:06	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	125959	12/08/25 14:38	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126060	12/09/25 20:00	CS	EET MID

Client Sample ID: BS-33

Date Collected: 12/02/25 10:40
Date Received: 12/08/25 09:57

Lab Sample ID: 890-9187-3
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			5.03 g	5 mL	126031	12/09/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/09/25 14:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126247	12/09/25 14:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			126232	12/10/25 06:20	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	126025	12/08/25 20:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126040	12/10/25 06:20	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125959	12/08/25 14:38	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126060	12/09/25 20:05	CS	EET MID

Client Sample ID: BS-34

Date Collected: 12/02/25 10:45
Date Received: 12/08/25 09:57

Lab Sample ID: 890-9187-4
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			5.05 g	5 mL	126031	12/09/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/09/25 14:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126247	12/09/25 14:24	SA	EET MID

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9187-1
SDG: Lea County NM

Client Sample ID: BS-34

Date Collected: 12/02/25 10:45
Date Received: 12/08/25 09:57

Lab Sample ID: 890-9187-4

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			126232	12/10/25 01:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126026	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/10/25 01:07	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	125959	12/08/25 14:38	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126060	12/09/25 20:19	CS	EET MID

Client Sample ID: BS-35

Date Collected: 12/02/25 10:50
Date Received: 12/08/25 09:57

Lab Sample ID: 890-9187-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	126031	12/09/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/09/25 14:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126247	12/09/25 14:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			126232	12/10/25 01:49	SA	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10.00 mL	126026	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/10/25 01:49	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	125959	12/08/25 14:38	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126060	12/09/25 20:24	CS	EET MID

Client Sample ID: BS-36

Date Collected: 12/02/25 10:55
Date Received: 12/08/25 09:57

Lab Sample ID: 890-9187-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	126031	12/09/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/09/25 15:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126247	12/09/25 15:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			126232	12/10/25 02:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126026	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/10/25 02:03	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	125959	12/08/25 14:38	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126060	12/09/25 20:39	CS	EET MID

Client Sample ID: BS-37

Date Collected: 12/02/25 11:00
Date Received: 12/08/25 09:57

Lab Sample ID: 890-9187-7

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			5.03 g	5 mL	126031	12/09/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/09/25 15:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126247	12/09/25 15:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			126232	12/10/25 02:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126026	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/10/25 02:18	FC	EET MID

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9187-1
SDG: Lea County NM

Client Sample ID: BS-37
Date Collected: 12/02/25 11:00
Date Received: 12/08/25 09:57

Lab Sample ID: 890-9187-7
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	125959	12/08/25 14:38	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126060	12/09/25 20:44	CS	EET MID

Client Sample ID: BS-38
Date Collected: 12/02/25 11:05
Date Received: 12/08/25 09:57

Lab Sample ID: 890-9187-8
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			5.05 g	5 mL	126031	12/09/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/09/25 15:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126247	12/09/25 15:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			126232	12/10/25 02:33	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	126026	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/10/25 02:33	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	125959	12/08/25 14:38	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126060	12/09/25 20:49	CS	EET MID

Client Sample ID: BS-39
Date Collected: 12/02/25 11:10
Date Received: 12/08/25 09:57

Lab Sample ID: 890-9187-9
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	126031	12/09/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/09/25 16:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126247	12/09/25 16:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			126232	12/10/25 02:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	126026	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/10/25 02:46	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	125959	12/08/25 14:38	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126060	12/09/25 20:54	CS	EET MID

Client Sample ID: BS-40
Date Collected: 12/02/25 11:15
Date Received: 12/08/25 09:57

Lab Sample ID: 890-9187-10
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			4.98 g	5 mL	126031	12/09/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/09/25 16:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126247	12/09/25 16:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			126232	12/10/25 03:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126026	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/10/25 03:01	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	125959	12/08/25 14:38	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126060	12/09/25 20:59	CS	EET MID

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9187-1
SDG: Lea County NM

Laboratory References:

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

Accreditation/Certification Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9187-1
SDG: Lea 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	06-30-26

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: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9187-1
SDG: Lea 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: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9187-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9187-1	BS-31	Solid	12/02/25 10:30	12/08/25 09:57	5'
890-9187-2	BS-32	Solid	12/02/25 10:35	12/08/25 09:57	5'
890-9187-3	BS-33	Solid	12/02/25 10:40	12/08/25 09:57	5'
890-9187-4	BS-34	Solid	12/02/25 10:45	12/08/25 09:57	5'
890-9187-5	BS-35	Solid	12/02/25 10:50	12/08/25 09:57	5'
890-9187-6	BS-36	Solid	12/02/25 10:55	12/08/25 09:57	5'
890-9187-7	BS-37	Solid	12/02/25 11:00	12/08/25 09:57	5'
890-9187-8	BS-38	Solid	12/02/25 11:05	12/08/25 09:57	5'
890-9187-9	BS-39	Solid	12/02/25 11:10	12/08/25 09:57	5'
890-9187-10	BS-40	Solid	12/02/25 11:15	12/08/25 09:57	5'

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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

890-9187 Chain of Custody

www.xenco.com

Project Manager:	Dimitry Nikanorov	Bill to: (if different)	
Company Name:	McNabb Partners	Company Name:	
Address:	5014 W Carlsbad Hwy	Address:	
City, State ZIP:	Hobbs, NM 882240	City, State ZIP:	
Phone:	Dimitry Nikanorov	Email:	

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:	MorningStar Casa State 001	Turn Around	☐ Routine ☑ Rush
Project Number:		Due Date:	48 hrs
Project Location:	Lea County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Dimitry Nikanorov		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TM160
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-2.2
Total Containers:		Corrected Temperature:	-2.0

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX (8021B)	TPH (8015M GRO+DRO+ORO)	Chloride (EPA 300.0)	Sample Comments
BS-31	5'	12/2/2025	10:30	X		Comp	1		X	X	X	
BS-32	5'	12/2/2025	10:35	X		Comp	1		X	X	X	
BS-33	5'	12/2/2025	10:40	X		Comp	1		X	X	X	
BS-34	5'	12/2/2025	10:45	X		Comp	1		X	X	X	
BS-35	5'	12/2/2025	10:50	X		Comp	1		X	X	X	
BS-36	5'	12/2/2025	10:55	X		Comp	1		X	X	X	
BS-37	5'	12/2/2025	11:00	X		Comp	1		X	X	X	
BS-38	5'	12/2/2025	11:05	X		Comp	1		X	X	X	
BS-39	5'	12/2/2025	11:10	X		Comp	1		X	X	X	
BS-40	5'	12/2/2025	11:15	X		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 SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010:** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 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
1 DV		12-8 906	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 4/9/2026 12:41:38 PM

Released to Imaging: 5/6/2026 10:32:00 AM

12/10/2025

Login Sample Receipt Checklist

Client: McNabb Partners

Job Number: 890-9187-1
SDG Number: Lea County NM

Login Number: 9187
List Number: 1
Creator: Lopez, Abraham

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: McNabb Partners

Job Number: 890-9187-1
SDG Number: Lea County NM

Login Number: 9187
List Number: 2
Creator: Vasquez, Julisa

List Source: Eurofins Midland
List Creation: 12/09/25 09:01 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	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Dimitry Nikanorov
McNabb Partners
5014 W Carlsbad Hwy
Hobbs, New Mexico 88240

Generated 12/10/2025 12:49:46 PM

JOB DESCRIPTION

MorningStar Casa State 001
Lea County NM

JOB NUMBER

890-9188-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 5/6/2026 10:32:00 AM

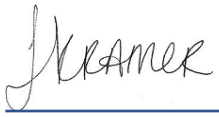
Eurofins Carlsbad

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
12/10/2025 12:49:46 PM

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

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Laboratory Job ID: 890-9188-1
SDG: Lea County NM

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Definitions/Glossary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9188-1
SDG: Lea 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
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: McNabb Partners
Project: MorningStar Casa State 001

Job ID: 890-9188-1

Job ID: 890-9188-1 Eurofins Carlsbad

Job Narrative
890-9188-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 12/8/2025 9:06 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.0°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: BS - 61 (890-9188-1), BS - 62 (890-9188-2), BS - 63 (890-9188-3), BS - 64 (890-9188-4), BS - 65 (890-9188-5), BS - 66 (890-9188-6), BS - 67 (890-9188-7), BS - 68 (890-9188-8), BS - 69 (890-9188-9) and BS - 70 (890-9188-10).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-126031 and analytical batch 880-126051 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BS - 62 (890-9188-2), BS - 65 (890-9188-5), BS - 66 (890-9188-6) and BS - 69 (890-9188-9). 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: Surrogate recovery for the following samples were outside control limits: BS - 61 (890-9188-1), BS - 62 (890-9188-2), BS - 63 (890-9188-3), BS - 66 (890-9188-6), BS - 67 (890-9188-7), BS - 68 (890-9188-8) and (890-9187-A-4-B). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BS - 65 (890-9188-5), BS - 69 (890-9188-9), BS - 70 (890-9188-10) and (MB 880-126026/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-126026/2-A) and (LCSD 880-126026/3-A). 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.

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-125960 and analytical batch 880-126074 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.

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9188-1
SDG: Lea County NM

Client Sample ID: BS - 61

Lab Sample ID: 890-9188-1
Matrix: Solid
Date Collected: 12/02/25 13:00
Date Received: 12/08/25 09:06
Sample Depth: 4'

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		12/09/25 08:12	12/09/25 18:17	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/09/25 08:12	12/09/25 18:17	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/09/25 08:12	12/09/25 18:17	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/09/25 08:12	12/09/25 18:17	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/09/25 08:12	12/09/25 18:17	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/09/25 08:12	12/09/25 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*12/09/25 08:12*	*12/09/25 18:17*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*12/09/25 08:12*	*12/09/25 18:17*	*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			12/09/25 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			12/10/25 03:16	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	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 03:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 03:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*152*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 03:16*	*1*
o-Terphenyl	*143*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 03:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**135**		10.1		mg/Kg			12/09/25 21:04	1

Client Sample ID: BS - 62

Lab Sample ID: 890-9188-2
Matrix: Solid
Date Collected: 12/02/25 13:05
Date Received: 12/08/25 09:06
Sample Depth: 4'

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		12/09/25 08:12	12/09/25 18:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:12	12/09/25 18:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:12	12/09/25 18:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 08:12	12/09/25 18:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:12	12/09/25 18:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 08:12	12/09/25 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*158*	*S1+*	*70 - 130*	*12/09/25 08:12*	*12/09/25 18:38*	*1*

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Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9188-1
SDG: Lea County NM

Client Sample ID: BS - 62

Date Collected: 12/02/25 13:05
Date Received: 12/08/25 09:06
Sample Depth: 4'

Lab Sample ID: 890-9188-2

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*	*12/09/25 08:12*	*12/09/25 18:38*	*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			12/09/25 18:38	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			12/10/25 03:29	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		12/08/25 20:13	12/10/25 03:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/08/25 20:13	12/10/25 03:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/08/25 20:13	12/10/25 03:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*138*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 03:29*	*1*
o-Terphenyl	*135*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 03:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**51.9**		10.0		mg/Kg			12/09/25 21:09	1

Client Sample ID: BS - 63

Date Collected: 12/02/25 13:10
Date Received: 12/08/25 09:06
Sample Depth: 4'

Lab Sample ID: 890-9188-3

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		12/09/25 08:12	12/09/25 18:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 18:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 18:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 08:12	12/09/25 18:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 18:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 08:12	12/09/25 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*12/09/25 08:12*	*12/09/25 18:58*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*12/09/25 08:12*	*12/09/25 18:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			12/09/25 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	<49.9	U	49.9		mg/Kg			12/10/25 03:43	1

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Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9188-1
SDG: Lea County NM

Client Sample ID: BS - 63

Lab Sample ID: 890-9188-3
Matrix: Solid
Date Collected: 12/02/25 13:10
Date Received: 12/08/25 09:06
Sample Depth: 4'

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		12/08/25 20:13	12/10/25 03:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/10/25 03:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/10/25 03:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*139*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 03:43*	*1*
o-Terphenyl	*134*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 03:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**174**	**F1**	10.1		mg/Kg			12/10/25 00:18	1

Client Sample ID: BS - 64

Lab Sample ID: 890-9188-4
Matrix: Solid
Date Collected: 12/02/25 13:15
Date Received: 12/08/25 09:06
Sample Depth: 4'

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		12/09/25 08:12	12/09/25 19:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 19:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 19:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 08:12	12/09/25 19:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 19:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 08:12	12/09/25 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*12/09/25 08:12*	*12/09/25 19:19*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*12/09/25 08:12*	*12/09/25 19:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/09/25 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	<50.0	U	50.0		mg/Kg			12/10/25 04:12	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		12/08/25 20:13	12/10/25 04:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 04:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 04:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*12/08/25 20:13*	*12/10/25 04:12*	*1*
o-Terphenyl	*124*		*70 - 130*	*12/08/25 20:13*	*12/10/25 04:12*	*1*

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9188-1
SDG: Lea County NM

Client Sample ID: BS - 64

Lab Sample ID: 890-9188-4
Matrix: Solid
Date Collected: 12/02/25 13:15
Date Received: 12/08/25 09:06
Sample Depth: 4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	454		10.0		mg/Kg			12/10/25 00:33	1

Client Sample ID: BS - 65

Lab Sample ID: 890-9188-5
Matrix: Solid
Date Collected: 12/02/25 13:20
Date Received: 12/08/25 09:06
Sample Depth: 4'

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		12/09/25 08:12	12/09/25 19:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:12	12/09/25 19:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:12	12/09/25 19:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 08:12	12/09/25 19:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:12	12/09/25 19:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 08:12	12/09/25 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*12/09/25 08:12*	*12/09/25 19:39*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*12/09/25 08:12*	*12/09/25 19:39*	*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			12/09/25 19:39	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			12/10/25 04:26	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		12/08/25 20:13	12/10/25 04:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/08/25 20:13	12/10/25 04:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/08/25 20:13	12/10/25 04:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 04:26*	*1*
o-Terphenyl	*125*		*70 - 130*	*12/08/25 20:13*	*12/10/25 04:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	122		10.1		mg/Kg			12/10/25 00:38	1

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9188-1
SDG: Lea County NM

Client Sample ID: BS - 66

Lab Sample ID: 890-9188-6
Matrix: Solid
Date Collected: 12/02/25 13:25
Date Received: 12/08/25 09:06
Sample Depth: 4'

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		12/09/25 08:12	12/09/25 19:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/09/25 08:12	12/09/25 19:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/09/25 08:12	12/09/25 19:59	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/09/25 08:12	12/09/25 19:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/09/25 08:12	12/09/25 19:59	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/09/25 08:12	12/09/25 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*12/09/25 08:12*	*12/09/25 19:59*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*12/09/25 08:12*	*12/09/25 19:59*	*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			12/09/25 19:59	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			12/10/25 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	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 04:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 04:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 04:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*140*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 04:41*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 04:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**99.9**		9.92		mg/Kg			12/10/25 00:43	1

Client Sample ID: BS - 67

Lab Sample ID: 890-9188-7
Matrix: Solid
Date Collected: 12/02/25 13:30
Date Received: 12/08/25 09:06
Sample Depth: 4'

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		12/09/25 08:12	12/09/25 20:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:12	12/09/25 20:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:12	12/09/25 20:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 08:12	12/09/25 20:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:12	12/09/25 20:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 08:12	12/09/25 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*12/09/25 08:12*	*12/09/25 20:20*	*1*

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9188-1
SDG: Lea County NM

Client Sample ID: BS - 67

Lab Sample ID: 890-9188-7
Matrix: Solid
Date Collected: 12/02/25 13:30
Date Received: 12/08/25 09:06
Sample Depth: 4'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*12/09/25 08:12*	*12/09/25 20:20*	*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			12/09/25 20:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/10/25 04:55	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	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/10/25 04:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/10/25 04:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/10/25 04:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*146*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 04:55*	*1*
o-Terphenyl	*134*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 04:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**120**		9.94		mg/Kg			12/10/25 00:48	1

Client Sample ID: BS - 68

Lab Sample ID: 890-9188-8
Matrix: Solid
Date Collected: 12/02/25 13:35
Date Received: 12/08/25 09:06
Sample Depth: 4'

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		12/09/25 08:12	12/09/25 20:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:12	12/09/25 20:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:12	12/09/25 20:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 08:12	12/09/25 20:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:12	12/09/25 20:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 08:12	12/09/25 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*12/09/25 08:12*	*12/09/25 20:40*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*12/09/25 08:12*	*12/09/25 20:40*	*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			12/09/25 20:40	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			12/10/25 05:09	1

Eurofins Carlsbad

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9188-1
SDG: Lea County NM

Client Sample ID: BS - 68

Lab Sample ID: 890-9188-8
Matrix: Solid
Date Collected: 12/02/25 13:35
Date Received: 12/08/25 09:06
Sample Depth: 4'

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		12/08/25 20:13	12/10/25 05:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 05:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 05:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*151*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 05:09*	*1*
o-Terphenyl	*140*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 05:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**232**		9.92		mg/Kg			12/10/25 01:03	1

Client Sample ID: BS - 69

Lab Sample ID: 890-9188-9
Matrix: Solid
Date Collected: 12/02/25 13:40
Date Received: 12/08/25 09:06
Sample Depth: 4'

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		12/09/25 08:12	12/09/25 21:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 21:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 21:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 08:12	12/09/25 21:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 21:01	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 08:12	12/09/25 21:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*12/09/25 08:12*	*12/09/25 21:01*	*1*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*	*12/09/25 08:12*	*12/09/25 21:01*	*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			12/09/25 21:01	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			12/10/25 05:23	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	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 05:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 05:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 05:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*132*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 05:23*	*1*
o-Terphenyl	*127*		*70 - 130*	*12/08/25 20:13*	*12/10/25 05:23*	*1*

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9188-1
SDG: Lea County NM

Client Sample ID: BS - 69

Lab Sample ID: 890-9188-9
Matrix: Solid
Date Collected: 12/02/25 13:40
Date Received: 12/08/25 09:06
Sample Depth: 4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.9		10.0		mg/Kg			12/10/25 01:08	1

Client Sample ID: BS - 70

Lab Sample ID: 890-9188-10
Matrix: Solid
Date Collected: 12/02/25 13:45
Date Received: 12/08/25 09:06
Sample Depth: 4'

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		12/09/25 08:12	12/09/25 21:21	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:12	12/09/25 21:21	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:12	12/09/25 21:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 08:12	12/09/25 21:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:12	12/09/25 21:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 08:12	12/09/25 21:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*12/09/25 08:12*	*12/09/25 21:21*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*12/09/25 08:12*	*12/09/25 21:21*	*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			12/09/25 21:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/10/25 05:37	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		12/08/25 20:13	12/10/25 05:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/10/25 05:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/10/25 05:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*136*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 05:37*	*1*
o-Terphenyl	*126*		*70 - 130*	*12/08/25 20:13*	*12/10/25 05:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	239		9.96		mg/Kg			12/10/25 01:13	1

Surrogate Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9188-1
SDG: Lea 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)
890-9188-1	BS - 61	93	105
890-9188-2	BS - 62	158 S1+	121
890-9188-3	BS - 63	121	114
890-9188-4	BS - 64	123	114
890-9188-5	BS - 65	132 S1+	100
890-9188-6	BS - 66	134 S1+	120
890-9188-7	BS - 67	122	113
890-9188-8	BS - 68	109	104
890-9188-9	BS - 69	137 S1+	122
890-9188-10	BS - 70	127	115
LCS 880-126031/1-A	Lab Control Sample	104	104
LCSD 880-126031/2-A	Lab Control Sample Dup	97	96
MB 880-126031/5-A	Method Blank	180 S1+	102

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)
890-9188-1	BS - 61	152 S1+	143 S1+
890-9188-2	BS - 62	138 S1+	135 S1+
890-9188-3	BS - 63	139 S1+	134 S1+
890-9188-4	BS - 64	127	124
890-9188-5	BS - 65	131 S1+	125
890-9188-6	BS - 66	140 S1+	133 S1+
890-9188-7	BS - 67	146 S1+	134 S1+
890-9188-8	BS - 68	151 S1+	140 S1+
890-9188-9	BS - 69	132 S1+	127
890-9188-10	BS - 70	136 S1+	126
LCS 880-126026/2-A	Lab Control Sample	158 S1+	126
LCSD 880-126026/3-A	Lab Control Sample Dup	160 S1+	128
MB 880-126026/1-A	Method Blank	134 S1+	115

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9188-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-126031/5-A
Matrix: Solid
Analysis Batch: 126051

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126031

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 12:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 12:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 12:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 08:12	12/09/25 12:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 12:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 08:12	12/09/25 12:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*180*	*S1+*	*70 - 130*	*12/09/25 08:12*	*12/09/25 12:54*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/09/25 08:12*	*12/09/25 12:54*	*1*

Lab Sample ID: LCS 880-126031/1-A
Matrix: Solid
Analysis Batch: 126051

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126031

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	0.09658		mg/Kg		97	70 - 130		
Ethylbenzene			0.100	0.1134		mg/Kg		113	70 - 130		
m-Xylene & p-Xylene			0.200	0.2221		mg/Kg		111	70 - 130		
o-Xylene			0.100	0.1070		mg/Kg		107	70 - 130		

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

Lab Sample ID: LCSD 880-126031/2-A
Matrix: Solid
Analysis Batch: 126051

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126031

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09708		mg/Kg		97	70 - 130	11	35
Toluene			0.100	0.1003		mg/Kg		100	70 - 130	4	35
Ethylbenzene			0.100	0.1208		mg/Kg		121	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.2106		mg/Kg		105	70 - 130	5	35
o-Xylene			0.100	0.09748		mg/Kg		97	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9188-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-126026/1-A
Matrix: Solid
Analysis Batch: 126037

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126026

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		12/08/25 20:13	12/10/25 00:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 00:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 00:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 00:24*	*1*
o-Terphenyl	*115*		*70 - 130*	*12/08/25 20:13*	*12/10/25 00:24*	*1*

Lab Sample ID: LCS 880-126026/2-A
Matrix: Solid
Analysis Batch: 126037

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126026

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	837.8		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1031		mg/Kg		103	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*158*	*S1+*	*70 - 130*
o-Terphenyl	*126*		*70 - 130*

Lab Sample ID: LCSD 880-126026/3-A
Matrix: Solid
Analysis Batch: 126037

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126026

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	840.0		mg/Kg		84	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1054		mg/Kg		105	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*160*	*S1+*	*70 - 130*
o-Terphenyl	*128*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-125959/1-A
Matrix: Solid
Analysis Batch: 126060

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			12/09/25 18:41	1

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9188-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-125959/2-A
Matrix: Solid
Analysis Batch: 126060

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	249.2		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-125959/3-A
Matrix: Solid
Analysis Batch: 126060

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	250.7		mg/Kg		100	90 - 110	1	20

Lab Sample ID: MB 880-125960/1-A
Matrix: Solid
Analysis Batch: 126074

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			12/10/25 00:04	1

Lab Sample ID: LCS 880-125960/2-A
Matrix: Solid
Analysis Batch: 126074

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	255.8		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-125960/3-A
Matrix: Solid
Analysis Batch: 126074

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	255.2		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 890-9188-3 MS
Matrix: Solid
Analysis Batch: 126074

Client Sample ID: BS - 63
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	174	F1	252	489.8	F1	mg/Kg		126	90 - 110		

Lab Sample ID: 890-9188-3 MSD
Matrix: Solid
Analysis Batch: 126074

Client Sample ID: BS - 63
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	174	F1	252	488.7	F1	mg/Kg		125	90 - 110	0	20

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9188-1
SDG: Lea County NM

GC VOA

Prep Batch: 126031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9188-1	BS - 61	Total/NA	Solid	5035	
890-9188-2	BS - 62	Total/NA	Solid	5035	
890-9188-3	BS - 63	Total/NA	Solid	5035	
890-9188-4	BS - 64	Total/NA	Solid	5035	
890-9188-5	BS - 65	Total/NA	Solid	5035	
890-9188-6	BS - 66	Total/NA	Solid	5035	
890-9188-7	BS - 67	Total/NA	Solid	5035	
890-9188-8	BS - 68	Total/NA	Solid	5035	
890-9188-9	BS - 69	Total/NA	Solid	5035	
890-9188-10	BS - 70	Total/NA	Solid	5035	
MB 880-126031/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126031/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-126031/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 126051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9188-1	BS - 61	Total/NA	Solid	8021B	126031
890-9188-2	BS - 62	Total/NA	Solid	8021B	126031
890-9188-3	BS - 63	Total/NA	Solid	8021B	126031
890-9188-4	BS - 64	Total/NA	Solid	8021B	126031
890-9188-5	BS - 65	Total/NA	Solid	8021B	126031
890-9188-6	BS - 66	Total/NA	Solid	8021B	126031
890-9188-7	BS - 67	Total/NA	Solid	8021B	126031
890-9188-8	BS - 68	Total/NA	Solid	8021B	126031
890-9188-9	BS - 69	Total/NA	Solid	8021B	126031
890-9188-10	BS - 70	Total/NA	Solid	8021B	126031
MB 880-126031/5-A	Method Blank	Total/NA	Solid	8021B	126031
LCS 880-126031/1-A	Lab Control Sample	Total/NA	Solid	8021B	126031
LCSD 880-126031/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126031

Analysis Batch: 126248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9188-1	BS - 61	Total/NA	Solid	Total BTEX	
890-9188-2	BS - 62	Total/NA	Solid	Total BTEX	
890-9188-3	BS - 63	Total/NA	Solid	Total BTEX	
890-9188-4	BS - 64	Total/NA	Solid	Total BTEX	
890-9188-5	BS - 65	Total/NA	Solid	Total BTEX	
890-9188-6	BS - 66	Total/NA	Solid	Total BTEX	
890-9188-7	BS - 67	Total/NA	Solid	Total BTEX	
890-9188-8	BS - 68	Total/NA	Solid	Total BTEX	
890-9188-9	BS - 69	Total/NA	Solid	Total BTEX	
890-9188-10	BS - 70	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 126026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9188-1	BS - 61	Total/NA	Solid	8015NM Prep	
890-9188-2	BS - 62	Total/NA	Solid	8015NM Prep	
890-9188-3	BS - 63	Total/NA	Solid	8015NM Prep	
890-9188-4	BS - 64	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9188-1
SDG: Lea County NM

GC Semi VOA (Continued)

Prep Batch: 126026 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9188-5	BS - 65	Total/NA	Solid	8015NM Prep	
890-9188-6	BS - 66	Total/NA	Solid	8015NM Prep	
890-9188-7	BS - 67	Total/NA	Solid	8015NM Prep	
890-9188-8	BS - 68	Total/NA	Solid	8015NM Prep	
890-9188-9	BS - 69	Total/NA	Solid	8015NM Prep	
890-9188-10	BS - 70	Total/NA	Solid	8015NM Prep	
MB 880-126026/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126026/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126026/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 126037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9188-1	BS - 61	Total/NA	Solid	8015B NM	126026
890-9188-2	BS - 62	Total/NA	Solid	8015B NM	126026
890-9188-3	BS - 63	Total/NA	Solid	8015B NM	126026
890-9188-4	BS - 64	Total/NA	Solid	8015B NM	126026
890-9188-5	BS - 65	Total/NA	Solid	8015B NM	126026
890-9188-6	BS - 66	Total/NA	Solid	8015B NM	126026
890-9188-7	BS - 67	Total/NA	Solid	8015B NM	126026
890-9188-8	BS - 68	Total/NA	Solid	8015B NM	126026
890-9188-9	BS - 69	Total/NA	Solid	8015B NM	126026
890-9188-10	BS - 70	Total/NA	Solid	8015B NM	126026
MB 880-126026/1-A	Method Blank	Total/NA	Solid	8015B NM	126026
LCS 880-126026/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126026
LCSD 880-126026/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126026

Analysis Batch: 126233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9188-1	BS - 61	Total/NA	Solid	8015 NM	
890-9188-2	BS - 62	Total/NA	Solid	8015 NM	
890-9188-3	BS - 63	Total/NA	Solid	8015 NM	
890-9188-4	BS - 64	Total/NA	Solid	8015 NM	
890-9188-5	BS - 65	Total/NA	Solid	8015 NM	
890-9188-6	BS - 66	Total/NA	Solid	8015 NM	
890-9188-7	BS - 67	Total/NA	Solid	8015 NM	
890-9188-8	BS - 68	Total/NA	Solid	8015 NM	
890-9188-9	BS - 69	Total/NA	Solid	8015 NM	
890-9188-10	BS - 70	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 125959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9188-1	BS - 61	Soluble	Solid	DI Leach	
890-9188-2	BS - 62	Soluble	Solid	DI Leach	
MB 880-125959/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-125959/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-125959/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9188-1
SDG: Lea County NM

HPLC/IC

Leach Batch: 125960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9188-3	BS - 63	Soluble	Solid	DI Leach	
890-9188-4	BS - 64	Soluble	Solid	DI Leach	
890-9188-5	BS - 65	Soluble	Solid	DI Leach	
890-9188-6	BS - 66	Soluble	Solid	DI Leach	
890-9188-7	BS - 67	Soluble	Solid	DI Leach	
890-9188-8	BS - 68	Soluble	Solid	DI Leach	
890-9188-9	BS - 69	Soluble	Solid	DI Leach	
890-9188-10	BS - 70	Soluble	Solid	DI Leach	
MB 880-125960/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-125960/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-125960/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9188-3 MS	BS - 63	Soluble	Solid	DI Leach	
890-9188-3 MSD	BS - 63	Soluble	Solid	DI Leach	

Analysis Batch: 126060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9188-1	BS - 61	Soluble	Solid	300.0	125959
890-9188-2	BS - 62	Soluble	Solid	300.0	125959
MB 880-125959/1-A	Method Blank	Soluble	Solid	300.0	125959
LCS 880-125959/2-A	Lab Control Sample	Soluble	Solid	300.0	125959
LCSD 880-125959/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	125959

Analysis Batch: 126074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9188-3	BS - 63	Soluble	Solid	300.0	125960
890-9188-4	BS - 64	Soluble	Solid	300.0	125960
890-9188-5	BS - 65	Soluble	Solid	300.0	125960
890-9188-6	BS - 66	Soluble	Solid	300.0	125960
890-9188-7	BS - 67	Soluble	Solid	300.0	125960
890-9188-8	BS - 68	Soluble	Solid	300.0	125960
890-9188-9	BS - 69	Soluble	Solid	300.0	125960
890-9188-10	BS - 70	Soluble	Solid	300.0	125960
MB 880-125960/1-A	Method Blank	Soluble	Solid	300.0	125960
LCS 880-125960/2-A	Lab Control Sample	Soluble	Solid	300.0	125960
LCSD 880-125960/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	125960
890-9188-3 MS	BS - 63	Soluble	Solid	300.0	125960
890-9188-3 MSD	BS - 63	Soluble	Solid	300.0	125960

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9188-1
SDG: Lea County NM

Client Sample ID: BS - 61

Date Collected: 12/02/25 13:00
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9188-1

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			4.96 g	5 mL	126031	12/09/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/09/25 18:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126248	12/09/25 18:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			126233	12/10/25 03:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126026	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/10/25 03:16	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	125959	12/08/25 14:38	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126060	12/09/25 21:04	CS	EET MID

Client Sample ID: BS - 62

Date Collected: 12/02/25 13:05
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9188-2

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			5.03 g	5 mL	126031	12/09/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/09/25 18:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126248	12/09/25 18:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			126233	12/10/25 03:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126026	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/10/25 03:29	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	125959	12/08/25 14:38	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126060	12/09/25 21:09	CS	EET MID

Client Sample ID: BS - 63

Date Collected: 12/02/25 13:10
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9188-3

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			5.00 g	5 mL	126031	12/09/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/09/25 18:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126248	12/09/25 18:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			126233	12/10/25 03:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126026	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/10/25 03:43	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	125960	12/08/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126074	12/10/25 00:18	CS	EET MID

Client Sample ID: BS - 64

Date Collected: 12/02/25 13:15
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9188-4

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	126031	12/09/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/09/25 19:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126248	12/09/25 19:19	SA	EET MID

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9188-1
SDG: Lea County NM

Client Sample ID: BS - 64

Date Collected: 12/02/25 13:15
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9188-4

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			126233	12/10/25 04:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126026	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/10/25 04:12	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	125960	12/08/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126074	12/10/25 00:33	CS	EET MID

Client Sample ID: BS - 65

Date Collected: 12/02/25 13:20
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9188-5

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			4.98 g	5 mL	126031	12/09/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/09/25 19:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126248	12/09/25 19:39	SA	EET MID
Total/NA	Analysis	8015 NM		1			126233	12/10/25 04:26	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126026	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/10/25 04:26	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	125960	12/08/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126074	12/10/25 00:38	CS	EET MID

Client Sample ID: BS - 66

Date Collected: 12/02/25 13:25
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9188-6

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			4.95 g	5 mL	126031	12/09/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/09/25 19:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126248	12/09/25 19:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			126233	12/10/25 04:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126026	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/10/25 04:41	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125960	12/08/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126074	12/10/25 00:43	CS	EET MID

Client Sample ID: BS - 67

Date Collected: 12/02/25 13:30
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9188-7

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			5.03 g	5 mL	126031	12/09/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/09/25 20:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126248	12/09/25 20:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			126233	12/10/25 04:55	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126026	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/10/25 04:55	FC	EET MID

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9188-1
SDG: Lea County NM

Client Sample ID: BS - 67
Date Collected: 12/02/25 13:30
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9188-7
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			5.03 g	50 mL	125960	12/08/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126074	12/10/25 00:48	CS	EET MID

Client Sample ID: BS - 68
Date Collected: 12/02/25 13:35
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9188-8
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	126031	12/09/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/09/25 20:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126248	12/09/25 20:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			126233	12/10/25 05:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	126026	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/10/25 05:09	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125960	12/08/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126074	12/10/25 01:03	CS	EET MID

Client Sample ID: BS - 69
Date Collected: 12/02/25 13:40
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9188-9
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	126031	12/09/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/09/25 21:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126248	12/09/25 21:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			126233	12/10/25 05:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126026	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/10/25 05:23	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	125960	12/08/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126074	12/10/25 01:08	CS	EET MID

Client Sample ID: BS - 70
Date Collected: 12/02/25 13:45
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9188-10
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			4.98 g	5 mL	126031	12/09/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/09/25 21:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126248	12/09/25 21:21	SA	EET MID
Total/NA	Analysis	8015 NM		1			126233	12/10/25 05:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126026	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/10/25 05:37	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	125960	12/08/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126074	12/10/25 01:13	CS	EET MID

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9188-1
SDG: Lea County NM

Laboratory References:

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

Accreditation/Certification Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9188-1
SDG: Lea 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	06-30-26

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: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9188-1
SDG: Lea 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: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9188-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9188-1	BS - 61	Solid	12/02/25 13:00	12/08/25 09:06	4'
890-9188-2	BS - 62	Solid	12/02/25 13:05	12/08/25 09:06	4'
890-9188-3	BS - 63	Solid	12/02/25 13:10	12/08/25 09:06	4'
890-9188-4	BS - 64	Solid	12/02/25 13:15	12/08/25 09:06	4'
890-9188-5	BS - 65	Solid	12/02/25 13:20	12/08/25 09:06	4'
890-9188-6	BS - 66	Solid	12/02/25 13:25	12/08/25 09:06	4'
890-9188-7	BS - 67	Solid	12/02/25 13:30	12/08/25 09:06	4'
890-9188-8	BS - 68	Solid	12/02/25 13:35	12/08/25 09:06	4'
890-9188-9	BS - 69	Solid	12/02/25 13:40	12/08/25 09:06	4'
890-9188-10	BS - 70	Solid	12/02/25 13:45	12/08/25 09:06	4'

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12/10/2025

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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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Dimitry Nikanorov	Bill to: (if different)	
Company Name:	McNabb Partners	Company Name:	
Address:	5014 W Carlsbad Hwy	Address:	
City, State ZIP:	Hobbs, NM 882240	City, State ZIP:	
Phone:	Dimitry Nikanorov	Email:	

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:	MorningStar Casa State 001	Turn Around	
Project Number:		☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	48 hrs
Sampler's Name:	Dimitry Nikanorov	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	Tymeen	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-2.2	
Total Containers:		Corrected Temperature:	-2.0	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX (8021B)	TPH (8015M GRO+DRO+ORO)	Chloride (EPA 300.0)	Sample Comments
BS-61	4'	12/2/2025	13:00	X		Comp	1	X	X	X	
BS-62	4'	12/2/2025	13:05	X		Comp	1	X	X	X	
BS-63	4'	12/2/2025	13:10	X		Comp	1	X	X	X	
BS-64	4'	12/2/2025	13:15	X		Comp	1	X	X	X	
BS-65	4'	12/2/2025	13:20	X		Comp	1	X	X	X	
BS-66	4'	12/2/2025	13:25	X		Comp	1	X	X	X	
BS-67	4'	12/2/2025	13:30	X		Comp	1	X	X	X	
BS-68	4'	12/2/2025	13:35	X		Comp	1	X	X	X	
BS-69	4'	12/2/2025	13:40	X		Comp	1	X	X	X	
BS-70	4'	12/2/2025	13:45	X		Comp	1	X	X	X	

890-9188 Chain of Custody

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 Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 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
1 DV		12-8 9:06	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 4/9/2026 12:41:38 PM

Released to Imaging: 5/6/2026 10:32:00 AM

Login Sample Receipt Checklist

Client: McNabb Partners

Job Number: 890-9188-1
SDG Number: Lea County NM

Login Number: 9188
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: McNabb Partners

Job Number: 890-9188-1
SDG Number: Lea County NM

Login Number: 9188
List Number: 2
Creator: Vasquez, Julisa

List Source: Eurofins Midland
List Creation: 12/09/25 09:01 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	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Dimitry Nikanorov
McNabb Partners
5014 W Carlsbad Hwy
Hobbs, New Mexico 88240
Generated 12/10/2025 12:44:31 PM

JOB DESCRIPTION

MorningStar Casa State 001
Lea County NM

JOB NUMBER

890-9189-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 5/6/2026 10:32:00 AM

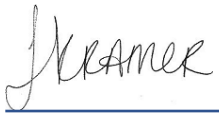
Eurofins Carlsbad

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
12/10/2025 12:44:31 PM

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

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Definitions/Glossary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9189-1
SDG: Lea County NM

Qualifiers

GC 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.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery 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.

HPLC/IC

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.

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: McNabb Partners
Project: MorningStar Casa State 001

Job ID: 890-9189-1

Job ID: 890-9189-1 Eurofins Carlsbad

Job Narrative
890-9189-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 12/8/2025 9:06 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.0°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: BS - 51 (890-9189-1), BS - 52 (890-9189-2), BS - 53 (890-9189-3), BS - 54 (890-9189-4), BS - 55 (890-9189-5), BS - 56 (890-9189-6), BS - 57 (890-9189-7), BS - 58 (890-9189-8), BS - 59 (890-9189-9) and BS - 60 (890-9189-10).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: BS - 59 (890-9189-9), (LCS 880-126032/1-A), (LCSD 880-126032/2-A) and (890-9189-A-1-D MSD). Evidence of matrix interferences is not obvious.

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: BS - 51 (890-9189-1), BS - 52 (890-9189-2) and (MB 880-126026/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: BS - 53 (890-9189-3). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-126026/2-A) and (LCSD 880-126026/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-126027/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-126027 and analytical batch 880-126052 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.

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-125960 and analytical batch 880-126074 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.

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9189-1
SDG: Lea County NM

Client Sample ID: BS - 51

Lab Sample ID: 890-9189-1
Matrix: Solid
Date Collected: 12/02/25 12:10
Date Received: 12/08/25 09:06

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		12/09/25 08:13	12/09/25 11:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 11:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 11:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 08:13	12/09/25 11:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 11:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 08:13	12/09/25 11:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*12/09/25 08:13*	*12/09/25 11:50*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*12/09/25 08:13*	*12/09/25 11:50*	*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			12/09/25 11:50	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			12/10/25 05:51	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	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 05:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 05:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 05:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*135*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 05:51*	*1*
o-Terphenyl	*129*		*70 - 130*	*12/08/25 20:13*	*12/10/25 05:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**131**		9.98		mg/Kg			12/10/25 01:18	1

Client Sample ID: BS - 52

Lab Sample ID: 890-9189-2
Matrix: Solid
Date Collected: 12/02/25 12:15
Date Received: 12/08/25 09:06

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		12/09/25 08:13	12/09/25 12:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:13	12/09/25 12:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:13	12/09/25 12:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 08:13	12/09/25 12:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:13	12/09/25 12:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 08:13	12/09/25 12:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*12/09/25 08:13*	*12/09/25 12:10*	*1*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*	*12/09/25 08:13*	*12/09/25 12:10*	*1*

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9189-1
SDG: Lea County NM

Client Sample ID: BS - 52

Date Collected: 12/02/25 12:15
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9189-2
Matrix: Solid

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			12/09/25 12:10	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			12/10/25 06:06	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		12/08/25 20:13	12/10/25 06:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/08/25 20:13	12/10/25 06:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/08/25 20:13	12/10/25 06:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*135*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 06:06*	*1*
o-Terphenyl	*127*		*70 - 130*	*12/08/25 20:13*	*12/10/25 06:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**277**		10.0		mg/Kg			12/10/25 01:23	1

Client Sample ID: BS - 53

Date Collected: 12/02/25 12:20
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9189-3
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		12/09/25 08:13	12/09/25 12:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:13	12/09/25 12:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:13	12/09/25 12:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 08:13	12/09/25 12:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:13	12/09/25 12:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 08:13	12/09/25 12:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*12/09/25 08:13*	*12/09/25 12:30*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*12/09/25 08:13*	*12/09/25 12:30*	*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			12/09/25 12:30	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			12/10/25 06:20	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		12/08/25 20:13	12/10/25 06:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 06:20	1

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9189-1
SDG: Lea County NM

Client Sample ID: BS - 53

Date Collected: 12/02/25 12:20
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9189-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 06:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*147*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 06:20*	*1*
o-Terphenyl	*138*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 06:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**177**	**F1 F2**	9.90		mg/Kg			12/10/25 01:27	1

Client Sample ID: BS - 54

Date Collected: 12/02/25 12:25
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9189-4
Matrix: Solid

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		12/09/25 08:13	12/09/25 12:51	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/09/25 08:13	12/09/25 12:51	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/09/25 08:13	12/09/25 12:51	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/09/25 08:13	12/09/25 12:51	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/09/25 08:13	12/09/25 12:51	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/09/25 08:13	12/09/25 12:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*12/09/25 08:13*	*12/09/25 12:51*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*12/09/25 08:13*	*12/09/25 12:51*	*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			12/09/25 12:51	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			12/09/25 18:41	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 F1	50.0		mg/Kg		12/08/25 20:13	12/09/25 18:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		12/08/25 20:13	12/09/25 18:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*12/08/25 20:13*	*12/09/25 18:41*	*1*
o-Terphenyl	*91*		*70 - 130*	*12/08/25 20:13*	*12/09/25 18:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**258**		9.92		mg/Kg			12/10/25 01:42	1

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9189-1
SDG: Lea County NM

Client Sample ID: BS - 55

Lab Sample ID: 890-9189-5
Matrix: Solid
Date Collected: 12/02/25 12:30
Date Received: 12/08/25 09:06

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		12/09/25 08:13	12/09/25 13:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 13:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 13:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 08:13	12/09/25 13:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 13:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 08:13	12/09/25 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*12/09/25 08:13*	*12/09/25 13:11*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*12/09/25 08:13*	*12/09/25 13:11*	*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			12/09/25 13:11	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			12/09/25 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		12/08/25 20:13	12/09/25 19:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 19:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*12/08/25 20:13*	*12/09/25 19:26*	*1*
o-Terphenyl	*80*		*70 - 130*	*12/08/25 20:13*	*12/09/25 19:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**122**		10.1		mg/Kg			12/10/25 01:47	1

Client Sample ID: BS - 56

Lab Sample ID: 890-9189-6
Matrix: Solid
Date Collected: 12/02/25 12:35
Date Received: 12/08/25 09:06

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		12/09/25 08:13	12/09/25 13:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:13	12/09/25 13:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:13	12/09/25 13:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 08:13	12/09/25 13:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:13	12/09/25 13:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 08:13	12/09/25 13:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*12/09/25 08:13*	*12/09/25 13:32*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*12/09/25 08:13*	*12/09/25 13:32*	*1*

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9189-1
SDG: Lea County NM

Client Sample ID: BS - 56

Lab Sample ID: 890-9189-6
Matrix: Solid
Date Collected: 12/02/25 12:35
Date Received: 12/08/25 09:06

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			12/09/25 13:32	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			12/09/25 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		12/08/25 20:13	12/09/25 19:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 19:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*12/08/25 20:13*	*12/09/25 19:41*	*1*
o-Terphenyl	*85*		*70 - 130*	*12/08/25 20:13*	*12/09/25 19:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**85.0**		9.94		mg/Kg			12/10/25 02:02	1

Client Sample ID: BS - 57

Lab Sample ID: 890-9189-7
Matrix: Solid
Date Collected: 12/02/25 12:40
Date Received: 12/08/25 09:06

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		12/09/25 08:13	12/09/25 13:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:13	12/09/25 13:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:13	12/09/25 13:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 08:13	12/09/25 13:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:13	12/09/25 13:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 08:13	12/09/25 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*12/09/25 08:13*	*12/09/25 13:52*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*12/09/25 08:13*	*12/09/25 13:52*	*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			12/09/25 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/09/25 19:56	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		12/08/25 20:13	12/09/25 19:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/08/25 20:13	12/09/25 19:56	1

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9189-1
SDG: Lea County NM

Client Sample ID: BS - 57

Lab Sample ID: 890-9189-7
Matrix: Solid
Date Collected: 12/02/25 12:40
Date Received: 12/08/25 09:06

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/08/25 20:13	12/09/25 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*12/08/25 20:13*	*12/09/25 19:56*	*1*
o-Terphenyl	*84*		*70 - 130*	*12/08/25 20:13*	*12/09/25 19:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**140**		9.98		mg/Kg			12/10/25 02:07	1

Client Sample ID: BS - 58

Lab Sample ID: 890-9189-8
Matrix: Solid
Date Collected: 12/02/25 12:45
Date Received: 12/08/25 09:06

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		12/09/25 08:13	12/09/25 14:13	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/09/25 08:13	12/09/25 14:13	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/09/25 08:13	12/09/25 14:13	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/09/25 08:13	12/09/25 14:13	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/09/25 08:13	12/09/25 14:13	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/09/25 08:13	12/09/25 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*12/09/25 08:13*	*12/09/25 14:13*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*12/09/25 08:13*	*12/09/25 14:13*	*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			12/09/25 14:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/25 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		12/08/25 20:13	12/09/25 20:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/09/25 20:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/09/25 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*12/08/25 20:13*	*12/09/25 20:11*	*1*
o-Terphenyl	*87*		*70 - 130*	*12/08/25 20:13*	*12/09/25 20:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**285**		9.94		mg/Kg			12/10/25 02:12	1

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9189-1
SDG: Lea County NM

Client Sample ID: BS - 59

Lab Sample ID: 890-9189-9
Matrix: Solid
Date Collected: 12/02/25 12:50
Date Received: 12/08/25 09:06

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		12/09/25 08:13	12/09/25 14:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 14:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 14:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 08:13	12/09/25 14:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 14:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 08:13	12/09/25 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*12/09/25 08:13*	*12/09/25 14:33*	*1*
1,4-Difluorobenzene (Surr)	*66*	*S1-*	*70 - 130*	*12/09/25 08:13*	*12/09/25 14:33*	*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			12/09/25 14:33	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			12/09/25 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	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 20:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 20:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 20:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*12/08/25 20:13*	*12/09/25 20:27*	*1*
o-Terphenyl	*91*		*70 - 130*	*12/08/25 20:13*	*12/09/25 20:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.6**		9.96		mg/Kg			12/10/25 02:17	1

Client Sample ID: BS - 60

Lab Sample ID: 890-9189-10
Matrix: Solid
Date Collected: 12/02/25 12:55
Date Received: 12/08/25 09:06

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		12/09/25 08:13	12/09/25 14:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:13	12/09/25 14:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:13	12/09/25 14:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 08:13	12/09/25 14:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:13	12/09/25 14:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 08:13	12/09/25 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*12/09/25 08:13*	*12/09/25 14:54*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*12/09/25 08:13*	*12/09/25 14:54*	*1*

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9189-1
SDG: Lea County NM

Client Sample ID: BS - 60

Date Collected: 12/02/25 12:55
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9189-10

Matrix: Solid

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			12/09/25 14:54	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			12/09/25 20:42	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	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/09/25 20:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/09/25 20:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/09/25 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*12/08/25 20:13*	*12/09/25 20:42*	*1*
o-Terphenyl	*92*		*70 - 130*	*12/08/25 20:13*	*12/09/25 20:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**137**		9.90		mg/Kg			12/10/25 02:22	1

Surrogate Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9189-1
SDG: Lea 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)
890-9189-1	BS - 51	122	93
890-9189-1 MS	BS - 51	116	108
890-9189-1 MSD	BS - 51	142 S1+	106
890-9189-2	BS - 52	127	123
890-9189-3	BS - 53	107	80
890-9189-4	BS - 54	104	101
890-9189-5	BS - 55	111	104
890-9189-6	BS - 56	79	85
890-9189-7	BS - 57	76	92
890-9189-8	BS - 58	82	96
890-9189-9	BS - 59	93	66 S1-
890-9189-10	BS - 60	76	92
LCS 880-126032/1-A	Lab Control Sample	136 S1+	104
LCSD 880-126032/2-A	Lab Control Sample Dup	139 S1+	106
MB 880-126032/5-A	Method Blank	113	81

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)
890-9189-1	BS - 51	135 S1+	129
890-9189-2	BS - 52	135 S1+	127
890-9189-3	BS - 53	147 S1+	138 S1+
890-9189-4	BS - 54	80	91
890-9189-4 MS	BS - 54	89	85
890-9189-4 MSD	BS - 54	76	85
890-9189-5	BS - 55	71	80
890-9189-6	BS - 56	74	85
890-9189-7	BS - 57	72	84
890-9189-8	BS - 58	78	87
890-9189-9	BS - 59	82	91
890-9189-10	BS - 60	82	92
LCS 880-126026/2-A	Lab Control Sample	158 S1+	126
LCS 880-126027/2-A	Lab Control Sample	72	84
LCSD 880-126026/3-A	Lab Control Sample Dup	160 S1+	128
LCSD 880-126027/3-A	Lab Control Sample Dup	74	85
MB 880-126026/1-A	Method Blank	134 S1+	115
MB 880-126027/1-A	Method Blank	68 S1-	73

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9189-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-126032/5-A
Matrix: Solid
Analysis Batch: 126034

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126032

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 11:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 11:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 11:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 08:13	12/09/25 11:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 11:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 08:13	12/09/25 11:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*12/09/25 08:13*	*12/09/25 11:28*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*12/09/25 08:13*	*12/09/25 11:28*	*1*

Lab Sample ID: LCS 880-126032/1-A
Matrix: Solid
Analysis Batch: 126034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126032

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1075		mg/Kg		108	70 - 130
Toluene	0.100	0.1135		mg/Kg		113	70 - 130
Ethylbenzene	0.100	0.1127		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	0.200	0.2317		mg/Kg		116	70 - 130
o-Xylene	0.100	0.1175		mg/Kg		117	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 880-126032/2-A
Matrix: Solid
Analysis Batch: 126034

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126032

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1043		mg/Kg		104	70 - 130	3	35
Toluene	0.100	0.1094		mg/Kg		109	70 - 130	4	35
Ethylbenzene	0.100	0.1095		mg/Kg		109	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2256		mg/Kg		113	70 - 130	3	35
o-Xylene	0.100	0.1144		mg/Kg		114	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: 890-9189-1 MS
Matrix: Solid
Analysis Batch: 126034

Client Sample ID: BS - 51
Prep Type: Total/NA
Prep Batch: 126032

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.07848		mg/Kg		78	70 - 130
Toluene	<0.00200	U	0.100	0.08240		mg/Kg		82	70 - 130

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9189-1
SDG: Lea County NM

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

Lab Sample ID: 890-9189-1 MS
Matrix: Solid
Analysis Batch: 126034

Client Sample ID: BS - 51
Prep Type: Total/NA
Prep Batch: 126032

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08342		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1742		mg/Kg		87	70 - 130
o-Xylene	<0.00200	U	0.100	0.08908		mg/Kg		89	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: 890-9189-1 MSD
Matrix: Solid
Analysis Batch: 126034

Client Sample ID: BS - 51
Prep Type: Total/NA
Prep Batch: 126032

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	0.1087		mg/Kg		109	70 - 130	32	35
Toluene	<0.00200	U	0.100	0.1102		mg/Kg		110	70 - 130	29	35
Ethylbenzene	<0.00200	U	0.100	0.1101		mg/Kg		110	70 - 130	28	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2268		mg/Kg		113	70 - 130	26	35
o-Xylene	<0.00200	U	0.100	0.1155		mg/Kg		115	70 - 130	26	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*142*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

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

Lab Sample ID: MB 880-126026/1-A
Matrix: Solid
Analysis Batch: 126037

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126026

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		12/08/25 20:13	12/10/25 00:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 00:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/10/25 00:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/10/25 00:24*	*1*
o-Terphenyl	*115*		*70 - 130*	*12/08/25 20:13*	*12/10/25 00:24*	*1*

Lab Sample ID: LCS 880-126026/2-A
Matrix: Solid
Analysis Batch: 126037

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126026

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	837.8		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1031		mg/Kg		103	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9189-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-126026/2-A
Matrix: Solid
Analysis Batch: 126037

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126026

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	158	S1+	70 - 130
o-Terphenyl	126		70 - 130

Lab Sample ID: LCSD 880-126026/3-A
Matrix: Solid
Analysis Batch: 126037

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126026

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	840.0		mg/Kg		84	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	1054		mg/Kg		105	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	160	S1+	70 - 130
o-Terphenyl	128		70 - 130

Lab Sample ID: MB 880-126027/1-A
Matrix: Solid
Analysis Batch: 126052

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126027

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		12/08/25 20:13	12/09/25 17:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 17:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 17:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130	12/08/25 20:13	12/09/25 17:55	1
o-Terphenyl	73		70 - 130	12/08/25 20:13	12/09/25 17:55	1

Lab Sample ID: LCS 880-126027/2-A
Matrix: Solid
Analysis Batch: 126052

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126027

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	842.6		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)			1000	879.5		mg/Kg		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	72		70 - 130
o-Terphenyl	84		70 - 130

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9189-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-126027/3-A
Matrix: Solid
Analysis Batch: 126052

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126027

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	859.2		mg/Kg		86	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	897.2		mg/Kg		90	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*74*		*70 - 130*
o-Terphenyl	*85*		*70 - 130*

Lab Sample ID: 890-9189-4 MS
Matrix: Solid
Analysis Batch: 126052

Client Sample ID: BS - 54
Prep Type: Total/NA
Prep Batch: 126027

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 F1	997	650.3	F1	mg/Kg		64	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	997	638.3	F1	mg/Kg		64	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*89*		*70 - 130*
o-Terphenyl	*85*		*70 - 130*

Lab Sample ID: 890-9189-4 MSD
Matrix: Solid
Analysis Batch: 126052

Client Sample ID: BS - 54
Prep Type: Total/NA
Prep Batch: 126027

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 F1	997	658.7	F1	mg/Kg		65	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	997	684.0	F1	mg/Kg		69	70 - 130	7	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*76*		*70 - 130*
o-Terphenyl	*85*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-125960/1-A
Matrix: Solid
Analysis Batch: 126074

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			12/10/25 00:04	1

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9189-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-125960/2-A
Matrix: Solid
Analysis Batch: 126074

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	255.8		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-125960/3-A
Matrix: Solid
Analysis Batch: 126074

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	255.2		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 890-9189-3 MS
Matrix: Solid
Analysis Batch: 126074

Client Sample ID: BS - 53
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	177	F1 F2	248	354.1	F1	mg/Kg		72	90 - 110		

Lab Sample ID: 890-9189-3 MSD
Matrix: Solid
Analysis Batch: 126074

Client Sample ID: BS - 53
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	177	F1 F2	248	451.3	F1 F2	mg/Kg		111	90 - 110	24	20

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9189-1
SDG: Lea County NM

GC VOA

Prep Batch: 126032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9189-1	BS - 51	Total/NA	Solid	5035	
890-9189-2	BS - 52	Total/NA	Solid	5035	
890-9189-3	BS - 53	Total/NA	Solid	5035	
890-9189-4	BS - 54	Total/NA	Solid	5035	
890-9189-5	BS - 55	Total/NA	Solid	5035	
890-9189-6	BS - 56	Total/NA	Solid	5035	
890-9189-7	BS - 57	Total/NA	Solid	5035	
890-9189-8	BS - 58	Total/NA	Solid	5035	
890-9189-9	BS - 59	Total/NA	Solid	5035	
890-9189-10	BS - 60	Total/NA	Solid	5035	
MB 880-126032/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126032/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-126032/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9189-1 MS	BS - 51	Total/NA	Solid	5035	
890-9189-1 MSD	BS - 51	Total/NA	Solid	5035	

Analysis Batch: 126034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9189-1	BS - 51	Total/NA	Solid	8021B	126032
890-9189-2	BS - 52	Total/NA	Solid	8021B	126032
890-9189-3	BS - 53	Total/NA	Solid	8021B	126032
890-9189-4	BS - 54	Total/NA	Solid	8021B	126032
890-9189-5	BS - 55	Total/NA	Solid	8021B	126032
890-9189-6	BS - 56	Total/NA	Solid	8021B	126032
890-9189-7	BS - 57	Total/NA	Solid	8021B	126032
890-9189-8	BS - 58	Total/NA	Solid	8021B	126032
890-9189-9	BS - 59	Total/NA	Solid	8021B	126032
890-9189-10	BS - 60	Total/NA	Solid	8021B	126032
MB 880-126032/5-A	Method Blank	Total/NA	Solid	8021B	126032
LCS 880-126032/1-A	Lab Control Sample	Total/NA	Solid	8021B	126032
LCSD 880-126032/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126032
890-9189-1 MS	BS - 51	Total/NA	Solid	8021B	126032
890-9189-1 MSD	BS - 51	Total/NA	Solid	8021B	126032

Analysis Batch: 126199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9189-1	BS - 51	Total/NA	Solid	Total BTEX	
890-9189-2	BS - 52	Total/NA	Solid	Total BTEX	
890-9189-3	BS - 53	Total/NA	Solid	Total BTEX	
890-9189-4	BS - 54	Total/NA	Solid	Total BTEX	
890-9189-5	BS - 55	Total/NA	Solid	Total BTEX	
890-9189-6	BS - 56	Total/NA	Solid	Total BTEX	
890-9189-7	BS - 57	Total/NA	Solid	Total BTEX	
890-9189-8	BS - 58	Total/NA	Solid	Total BTEX	
890-9189-9	BS - 59	Total/NA	Solid	Total BTEX	
890-9189-10	BS - 60	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9189-1
SDG: Lea County NM

GC Semi VOA

Prep Batch: 126026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9189-1	BS - 51	Total/NA	Solid	8015NM Prep	
890-9189-2	BS - 52	Total/NA	Solid	8015NM Prep	
890-9189-3	BS - 53	Total/NA	Solid	8015NM Prep	
MB 880-126026/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126026/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126026/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 126027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9189-4	BS - 54	Total/NA	Solid	8015NM Prep	
890-9189-5	BS - 55	Total/NA	Solid	8015NM Prep	
890-9189-6	BS - 56	Total/NA	Solid	8015NM Prep	
890-9189-7	BS - 57	Total/NA	Solid	8015NM Prep	
890-9189-8	BS - 58	Total/NA	Solid	8015NM Prep	
890-9189-9	BS - 59	Total/NA	Solid	8015NM Prep	
890-9189-10	BS - 60	Total/NA	Solid	8015NM Prep	
MB 880-126027/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126027/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126027/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9189-4 MS	BS - 54	Total/NA	Solid	8015NM Prep	
890-9189-4 MSD	BS - 54	Total/NA	Solid	8015NM Prep	

Analysis Batch: 126037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9189-1	BS - 51	Total/NA	Solid	8015B NM	126026
890-9189-2	BS - 52	Total/NA	Solid	8015B NM	126026
890-9189-3	BS - 53	Total/NA	Solid	8015B NM	126026
MB 880-126026/1-A	Method Blank	Total/NA	Solid	8015B NM	126026
LCS 880-126026/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126026
LCSD 880-126026/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126026

Analysis Batch: 126052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9189-4	BS - 54	Total/NA	Solid	8015B NM	126027
890-9189-5	BS - 55	Total/NA	Solid	8015B NM	126027
890-9189-6	BS - 56	Total/NA	Solid	8015B NM	126027
890-9189-7	BS - 57	Total/NA	Solid	8015B NM	126027
890-9189-8	BS - 58	Total/NA	Solid	8015B NM	126027
890-9189-9	BS - 59	Total/NA	Solid	8015B NM	126027
890-9189-10	BS - 60	Total/NA	Solid	8015B NM	126027
MB 880-126027/1-A	Method Blank	Total/NA	Solid	8015B NM	126027
LCS 880-126027/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126027
LCSD 880-126027/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126027
890-9189-4 MS	BS - 54	Total/NA	Solid	8015B NM	126027
890-9189-4 MSD	BS - 54	Total/NA	Solid	8015B NM	126027

Analysis Batch: 126234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9189-1	BS - 51	Total/NA	Solid	8015 NM	
890-9189-2	BS - 52	Total/NA	Solid	8015 NM	
890-9189-3	BS - 53	Total/NA	Solid	8015 NM	

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9189-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 126234 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9189-4	BS - 54	Total/NA	Solid	8015 NM	
890-9189-5	BS - 55	Total/NA	Solid	8015 NM	
890-9189-6	BS - 56	Total/NA	Solid	8015 NM	
890-9189-7	BS - 57	Total/NA	Solid	8015 NM	
890-9189-8	BS - 58	Total/NA	Solid	8015 NM	
890-9189-9	BS - 59	Total/NA	Solid	8015 NM	
890-9189-10	BS - 60	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 125960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9189-1	BS - 51	Soluble	Solid	DI Leach	
890-9189-2	BS - 52	Soluble	Solid	DI Leach	
890-9189-3	BS - 53	Soluble	Solid	DI Leach	
890-9189-4	BS - 54	Soluble	Solid	DI Leach	
890-9189-5	BS - 55	Soluble	Solid	DI Leach	
890-9189-6	BS - 56	Soluble	Solid	DI Leach	
890-9189-7	BS - 57	Soluble	Solid	DI Leach	
890-9189-8	BS - 58	Soluble	Solid	DI Leach	
890-9189-9	BS - 59	Soluble	Solid	DI Leach	
890-9189-10	BS - 60	Soluble	Solid	DI Leach	
MB 880-125960/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-125960/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-125960/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9189-3 MS	BS - 53	Soluble	Solid	DI Leach	
890-9189-3 MSD	BS - 53	Soluble	Solid	DI Leach	

Analysis Batch: 126074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9189-1	BS - 51	Soluble	Solid	300.0	125960
890-9189-2	BS - 52	Soluble	Solid	300.0	125960
890-9189-3	BS - 53	Soluble	Solid	300.0	125960
890-9189-4	BS - 54	Soluble	Solid	300.0	125960
890-9189-5	BS - 55	Soluble	Solid	300.0	125960
890-9189-6	BS - 56	Soluble	Solid	300.0	125960
890-9189-7	BS - 57	Soluble	Solid	300.0	125960
890-9189-8	BS - 58	Soluble	Solid	300.0	125960
890-9189-9	BS - 59	Soluble	Solid	300.0	125960
890-9189-10	BS - 60	Soluble	Solid	300.0	125960
MB 880-125960/1-A	Method Blank	Soluble	Solid	300.0	125960
LCS 880-125960/2-A	Lab Control Sample	Soluble	Solid	300.0	125960
LCSD 880-125960/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	125960
890-9189-3 MS	BS - 53	Soluble	Solid	300.0	125960
890-9189-3 MSD	BS - 53	Soluble	Solid	300.0	125960

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9189-1
SDG: Lea County NM

Client Sample ID: BS - 51

Date Collected: 12/02/25 12:10
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9189-1

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			5.01 g	5 mL	126032	12/09/25 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/09/25 11:50	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126199	12/09/25 11:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			126234	12/10/25 05:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126026	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/10/25 05:51	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	125960	12/08/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126074	12/10/25 01:18	CS	EET MID

Client Sample ID: BS - 52

Date Collected: 12/02/25 12:15
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9189-2

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			4.98 g	5 mL	126032	12/09/25 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/09/25 12:10	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126199	12/09/25 12:10	SA	EET MID
Total/NA	Analysis	8015 NM		1			126234	12/10/25 06:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	126026	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/10/25 06:06	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	125960	12/08/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126074	12/10/25 01:23	CS	EET MID

Client Sample ID: BS - 53

Date Collected: 12/02/25 12:20
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9189-3

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			5.03 g	5 mL	126032	12/09/25 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/09/25 12:30	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126199	12/09/25 12:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			126234	12/10/25 06:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126026	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/10/25 06:20	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	125960	12/08/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126074	12/10/25 01:27	CS	EET MID

Client Sample ID: BS - 54

Date Collected: 12/02/25 12:25
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9189-4

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			5.05 g	5 mL	126032	12/09/25 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/09/25 12:51	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126199	12/09/25 12:51	SA	EET MID

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9189-1
SDG: Lea County NM

Client Sample ID: BS - 54
Date Collected: 12/02/25 12:25
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9189-4
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			126234	12/09/25 18:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126027	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126052	12/09/25 18:41	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125960	12/08/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126074	12/10/25 01:42	CS	EET MID

Client Sample ID: BS - 55
Date Collected: 12/02/25 12:30
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9189-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	126032	12/09/25 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/09/25 13:11	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126199	12/09/25 13:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			126234	12/09/25 19:26	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	126027	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126052	12/09/25 19:26	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	125960	12/08/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126074	12/10/25 01:47	CS	EET MID

Client Sample ID: BS - 56
Date Collected: 12/02/25 12:35
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9189-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	126032	12/09/25 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/09/25 13:32	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126199	12/09/25 13:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			126234	12/09/25 19:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126027	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126052	12/09/25 19:41	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	125960	12/08/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126074	12/10/25 02:02	CS	EET MID

Client Sample ID: BS - 57
Date Collected: 12/02/25 12:40
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9189-7
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			5.03 g	5 mL	126032	12/09/25 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/09/25 13:52	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126199	12/09/25 13:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			126234	12/09/25 19:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126027	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126052	12/09/25 19:56	FC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9189-1
SDG: Lea County NM

Client Sample ID: BS - 57
Date Collected: 12/02/25 12:40
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9189-7
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			5.01 g	50 mL	125960	12/08/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126074	12/10/25 02:07	CS	EET MID

Client Sample ID: BS - 58
Date Collected: 12/02/25 12:45
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9189-8
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			5.05 g	5 mL	126032	12/09/25 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/09/25 14:13	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126199	12/09/25 14:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			126234	12/09/25 20:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126027	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126052	12/09/25 20:11	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	125960	12/08/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126074	12/10/25 02:12	CS	EET MID

Client Sample ID: BS - 59
Date Collected: 12/02/25 12:50
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9189-9
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	126032	12/09/25 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/09/25 14:33	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126199	12/09/25 14:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			126234	12/09/25 20:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126027	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126052	12/09/25 20:27	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	125960	12/08/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126074	12/10/25 02:17	CS	EET MID

Client Sample ID: BS - 60
Date Collected: 12/02/25 12:55
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9189-10
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			4.98 g	5 mL	126032	12/09/25 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/09/25 14:54	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126199	12/09/25 14:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			126234	12/09/25 20:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126027	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126052	12/09/25 20:42	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	125960	12/08/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126074	12/10/25 02:22	CS	EET MID

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9189-1
SDG: Lea County NM

Laboratory References:

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

Accreditation/Certification Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9189-1
SDG: Lea 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	06-30-26

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: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9189-1
SDG: Lea 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: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9189-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
890-9189-1	BS - 51	Solid	12/02/25 12:10	12/08/25 09:06	New Mexico
890-9189-2	BS - 52	Solid	12/02/25 12:15	12/08/25 09:06	New Mexico
890-9189-3	BS - 53	Solid	12/02/25 12:20	12/08/25 09:06	New Mexico
890-9189-4	BS - 54	Solid	12/02/25 12:25	12/08/25 09:06	New Mexico
890-9189-5	BS - 55	Solid	12/02/25 12:30	12/08/25 09:06	New Mexico
890-9189-6	BS - 56	Solid	12/02/25 12:35	12/08/25 09:06	New Mexico
890-9189-7	BS - 57	Solid	12/02/25 12:40	12/08/25 09:06	New Mexico
890-9189-8	BS - 58	Solid	12/02/25 12:45	12/08/25 09:06	New Mexico
890-9189-9	BS - 59	Solid	12/02/25 12:50	12/08/25 09:06	New Mexico
890-9189-10	BS - 60	Solid	12/02/25 12:55	12/08/25 09:06	New Mexico

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12/10/2025

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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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Dimitry Nikanorov	Bill to: (if different)	
Company Name:	McNabb Partners	Company Name:	
Address:	5014 W Carlsbad Hwy	Address:	
City, State ZIP:	Hobbs, NM 882240	City, State ZIP:	
Phone:	Dimitry Nikanorov	Email:	

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:	MorningStar Casa State 001	Turn Around	☐ Routine ☑ Rush
Project Number:		Due Date:	48 hrs
Project Location:	Lea County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Dimitry Nikanorov		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	Timmer
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-2.2
Total Containers:		Corrected Temperature:	-2.0

ANALYSIS REQUEST



Preservative Codes

NO DI Water: H_2O
ool MeOH: Me
C HNO_3: HN
H_2 NaOH: Na
HP
$)_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX (8021B)	TPH (8015M GRO+DRO+ORO)	Chloride (EPA 300.0)	Sample Comments
BS-51	5'	12/2/2025	12:10	X		Comp	1	X	X	X	
BS-52	5'	12/2/2025	12:15	X		Comp	1	X	X	X	
BS-53	5'	12/2/2025	12:20	X		Comp	1	X	X	X	
BS-54	5'	12/2/2025	12:25	X		Comp	1	X	X	X	
BS-55	5'	12/2/2025	12:30	X		Comp	1	X	X	X	
BS-56	5'	12/2/2025	12:35	X		Comp	1	X	X	X	
BS-57	5'	12/2/2025	12:40	X		Comp	1	X	X	X	
BS-58	5'	12/2/2025	12:45	X		Comp	1	X	X	X	
BS-59	5'	12/2/2025	12:50	X		Comp	1	X	X	X	
BS-60	5'	12/2/2025	12:55	X		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 SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 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
1 DN		12-8 906	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Received by OCD: 4/9/2026 12:41:38 PM

Released to Imaging: 5/6/2026 10:32:00 AM

Login Sample Receipt Checklist

Client: McNabb Partners

Job Number: 890-9189-1
SDG Number: Lea County NM

Login Number: 9189
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: McNabb Partners

Job Number: 890-9189-1
SDG Number: Lea County NM

Login Number: 9189
List Number: 2
Creator: Vasquez, Julisa

List Source: Eurofins Midland
List Creation: 12/09/25 09:01 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	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Dimitry Nikanorov
McNabb Partners
5014 W Carlsbad Hwy
Hobbs, New Mexico 88240

Generated 12/10/2025 12:44:42 PM

JOB DESCRIPTION

MorningStar Casa State 001
Lea County NM

JOB NUMBER

890-9190-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 5/6/2026 10:32:00 AM

my EOL

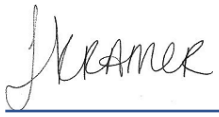
Eurofins Carlsbad

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



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12/10/2025 12:44:42 PM

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

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Definitions/Glossary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9190-1
SDG: Lea 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.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD 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: McNabb Partners
Project: MorningStar Casa State 001

Job ID: 890-9190-1

Job ID: 890-9190-1 Eurofins Carlsbad

Job Narrative
890-9190-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 12/8/2025 9:06 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.0°C.

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: BS-22 (890-9190-2), BS-24 (890-9190-4), BS-25 (890-9190-5), (LCS 880-126032/1-A), (LCSD 880-126032/2-A) and (890-9189-A-1-D MSD). Evidence of matrix interferences is not obvious.

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: BS-22 (890-9190-2) and (MB 880-126027/1-A). Evidence of matrix interferences is not obvious.

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 laboratory control sample (LCS) associated with preparation batch 880-125961 and analytical batch 880-126075 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.

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

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9190-1
SDG: Lea County NM

Client Sample ID: BS-21

Lab Sample ID: 890-9190-1
Matrix: Solid
Date Collected: 12/02/25 09:40
Date Received: 12/08/25 09:06
Sample Depth: 5'

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		12/09/25 08:13	12/09/25 17:36	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/09/25 08:13	12/09/25 17:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/09/25 08:13	12/09/25 17:36	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/09/25 08:13	12/09/25 17:36	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/09/25 08:13	12/09/25 17:36	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/09/25 08:13	12/09/25 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*12/09/25 08:13*	*12/09/25 17:36*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*12/09/25 08:13*	*12/09/25 17:36*	*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			12/09/25 17:36	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			12/09/25 20:57	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	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 20:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 20:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*12/08/25 20:13*	*12/09/25 20:57*	*1*
o-Terphenyl	*83*		*70 - 130*	*12/08/25 20:13*	*12/09/25 20:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**132**		9.90		mg/Kg			12/10/25 02:27	1

Client Sample ID: BS-22

Lab Sample ID: 890-9190-2
Matrix: Solid
Date Collected: 12/02/25 09:45
Date Received: 12/08/25 09:06
Sample Depth: 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		12/09/25 08:13	12/09/25 17:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:13	12/09/25 17:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:13	12/09/25 17:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 08:13	12/09/25 17:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:13	12/09/25 17:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 08:13	12/09/25 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*159*	*S1+*	*70 - 130*	*12/09/25 08:13*	*12/09/25 17:57*	*1*

Eurofins Carlsbad

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9190-1
SDG: Lea County NM

Client Sample ID: BS-22

Lab Sample ID: 890-9190-2
Matrix: Solid
Date Collected: 12/02/25 09:45
Date Received: 12/08/25 09:06
Sample Depth: 5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*12/09/25 08:13*	*12/09/25 17:57*	*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			12/09/25 17:57	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			12/09/25 21:12	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		12/08/25 20:13	12/09/25 21:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 21:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 21:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*12/08/25 20:13*	*12/09/25 21:12*	*1*
o-Terphenyl	*79*		*70 - 130*	*12/08/25 20:13*	*12/09/25 21:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**178**		9.90		mg/Kg			12/10/25 02:32	1

Client Sample ID: BS-23

Lab Sample ID: 890-9190-3
Matrix: Solid
Date Collected: 12/02/25 09:50
Date Received: 12/08/25 09:06
Sample Depth: 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		12/09/25 08:13	12/09/25 18:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 18:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 18:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 08:13	12/09/25 18:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 18:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 08:13	12/09/25 18:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*12/09/25 08:13*	*12/09/25 18:17*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*12/09/25 08:13*	*12/09/25 18:17*	*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			12/09/25 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	<49.9	U	49.9		mg/Kg			12/09/25 21:27	1

Eurofins Carlsbad

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9190-1
SDG: Lea County NM

Client Sample ID: BS-23

Lab Sample ID: 890-9190-3
Matrix: Solid
Date Collected: 12/02/25 09:50
Date Received: 12/08/25 09:06
Sample Depth: 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	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/09/25 21:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/09/25 21:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/09/25 21:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*12/08/25 20:13*	*12/09/25 21:27*	*1*
o-Terphenyl	*90*		*70 - 130*	*12/08/25 20:13*	*12/09/25 21:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**58.1**	***1 *-**	9.96		mg/Kg			12/10/25 08:07	1

Client Sample ID: BS-24

Lab Sample ID: 890-9190-4
Matrix: Solid
Date Collected: 12/02/25 09:55
Date Received: 12/08/25 09:06
Sample Depth: 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		12/09/25 08:13	12/09/25 18:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 18:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 18:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 08:13	12/09/25 18:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 18:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 08:13	12/09/25 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*150*	*S1+*	*70 - 130*	*12/09/25 08:13*	*12/09/25 18:37*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*12/09/25 08:13*	*12/09/25 18:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/09/25 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	<50.0	U	50.0		mg/Kg			12/09/25 21:58	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		12/08/25 20:13	12/09/25 21:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 21:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 21:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*12/08/25 20:13*	*12/09/25 21:58*	*1*
o-Terphenyl	*95*		*70 - 130*	*12/08/25 20:13*	*12/09/25 21:58*	*1*

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9190-1
SDG: Lea County NM

Client Sample ID: BS-24

Lab Sample ID: 890-9190-4
Matrix: Solid
Date Collected: 12/02/25 09:55
Date Received: 12/08/25 09:06
Sample Depth: 5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.7	*1 *-	9.92		mg/Kg			12/10/25 08:12	1

Client Sample ID: BS-25

Lab Sample ID: 890-9190-5
Matrix: Solid
Date Collected: 12/02/25 10:00
Date Received: 12/08/25 09:06
Sample Depth: 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		12/09/25 08:13	12/09/25 18:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:13	12/09/25 18:58	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:13	12/09/25 18:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 08:13	12/09/25 18:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:13	12/09/25 18:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 08:13	12/09/25 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*152*	*S1+*	*70 - 130*	*12/09/25 08:13*	*12/09/25 18:58*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*12/09/25 08:13*	*12/09/25 18:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/09/25 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	<50.0	U	50.0		mg/Kg			12/09/25 22:13	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		12/08/25 20:13	12/09/25 22:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 22:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 22:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*12/08/25 20:13*	*12/09/25 22:13*	*1*
o-Terphenyl	*92*		*70 - 130*	*12/08/25 20:13*	*12/09/25 22:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.1	*1 *-	9.94		mg/Kg			12/10/25 08:17	1

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9190-1
SDG: Lea County NM

Client Sample ID: BS-26

Lab Sample ID: 890-9190-6
Matrix: Solid
Date Collected: 12/02/25 10:05
Date Received: 12/08/25 09:06
Sample Depth: 5'

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		12/09/25 08:13	12/09/25 19:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/09/25 08:13	12/09/25 19:18	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/09/25 08:13	12/09/25 19:18	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/09/25 08:13	12/09/25 19:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/09/25 08:13	12/09/25 19:18	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/09/25 08:13	12/09/25 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*12/09/25 08:13*	*12/09/25 19:18*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*12/09/25 08:13*	*12/09/25 19:18*	*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			12/09/25 19:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/09/25 22:29	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		12/08/25 20:13	12/09/25 22:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/08/25 20:13	12/09/25 22:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/08/25 20:13	12/09/25 22:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*12/08/25 20:13*	*12/09/25 22:29*	*1*
o-Terphenyl	*89*		*70 - 130*	*12/08/25 20:13*	*12/09/25 22:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**52.3**	***1 *-**	9.92		mg/Kg			12/10/25 08:22	1

Client Sample ID: BS-27

Lab Sample ID: 890-9190-7
Matrix: Solid
Date Collected: 12/02/25 10:10
Date Received: 12/08/25 09:06
Sample Depth: 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		12/09/25 08:13	12/09/25 19:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:13	12/09/25 19:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:13	12/09/25 19:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 08:13	12/09/25 19:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:13	12/09/25 19:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 08:13	12/09/25 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*12/09/25 08:13*	*12/09/25 19:39*	*1*

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Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9190-1
SDG: Lea County NM

Client Sample ID: BS-27

Lab Sample ID: 890-9190-7
Matrix: Solid
Date Collected: 12/02/25 10:10
Date Received: 12/08/25 09:06
Sample Depth: 5'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*12/09/25 08:13*	*12/09/25 19:39*	*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			12/09/25 19:39	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			12/09/25 22:43	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	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/09/25 22:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/09/25 22:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/09/25 22:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*12/08/25 20:13*	*12/09/25 22:43*	*1*
o-Terphenyl	*89*		*70 - 130*	*12/08/25 20:13*	*12/09/25 22:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**50.6**	***1 *-**	10.0		mg/Kg			12/10/25 03:26	1

Client Sample ID: BS-28

Lab Sample ID: 890-9190-8
Matrix: Solid
Date Collected: 12/02/25 10:15
Date Received: 12/08/25 09:06
Sample Depth: 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		12/09/25 08:13	12/09/25 19:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:13	12/09/25 19:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:13	12/09/25 19:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 08:13	12/09/25 19:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/25 08:13	12/09/25 19:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 08:13	12/09/25 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*12/09/25 08:13*	*12/09/25 19:59*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*12/09/25 08:13*	*12/09/25 19:59*	*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			12/09/25 19:59	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			12/09/25 22:59	1

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Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9190-1
SDG: Lea County NM

Client Sample ID: BS-28

Lab Sample ID: 890-9190-8
Matrix: Solid
Date Collected: 12/02/25 10:15
Date Received: 12/08/25 09:06
Sample Depth: 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	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 22:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 22:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 22:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*12/08/25 20:13*	*12/09/25 22:59*	*1*
o-Terphenyl	*80*		*70 - 130*	*12/08/25 20:13*	*12/09/25 22:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**152**	***1 *-**	9.94		mg/Kg			12/10/25 03:41	1

Client Sample ID: BS-29

Lab Sample ID: 890-9190-9
Matrix: Solid
Date Collected: 12/02/25 10:20
Date Received: 12/08/25 09:06
Sample Depth: 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		12/09/25 08:13	12/09/25 20:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 20:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 20:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 08:13	12/09/25 20:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 20:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 08:13	12/09/25 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*12/09/25 08:13*	*12/09/25 20:20*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*12/09/25 08:13*	*12/09/25 20:20*	*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			12/09/25 20:20	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			12/09/25 23:14	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	<49.8	U	49.8		mg/Kg		12/08/25 20:13	12/09/25 23:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/08/25 20:13	12/09/25 23:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/08/25 20:13	12/09/25 23:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*12/08/25 20:13*	*12/09/25 23:14*	*1*
o-Terphenyl	*95*		*70 - 130*	*12/08/25 20:13*	*12/09/25 23:14*	*1*

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9190-1
SDG: Lea County NM

Client Sample ID: BS-29

Lab Sample ID: 890-9190-9
Matrix: Solid
Date Collected: 12/02/25 10:20
Date Received: 12/08/25 09:06
Sample Depth: 5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	159	*1 *-	9.98		mg/Kg			12/10/25 03:46	1

Client Sample ID: BS-30

Lab Sample ID: 890-9190-10
Matrix: Solid
Date Collected: 12/02/25 10:25
Date Received: 12/08/25 09:06
Sample Depth: 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		12/09/25 08:13	12/09/25 20:40	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:13	12/09/25 20:40	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:13	12/09/25 20:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 08:13	12/09/25 20:40	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/25 08:13	12/09/25 20:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 08:13	12/09/25 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*12/09/25 08:13*	*12/09/25 20:40*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*12/09/25 08:13*	*12/09/25 20:40*	*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			12/09/25 20:40	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			12/09/25 23:29	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		12/08/25 20:13	12/09/25 23:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 23:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 23:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*12/08/25 20:13*	*12/09/25 23:29*	*1*
o-Terphenyl	*90*		*70 - 130*	*12/08/25 20:13*	*12/09/25 23:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	129	*1 *-	9.94		mg/Kg			12/10/25 03:51	1

Surrogate Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9190-1
SDG: Lea 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)
890-9190-1	BS-21	85	98
890-9190-2	BS-22	159 S1+	109
890-9190-3	BS-23	76	86
890-9190-4	BS-24	150 S1+	108
890-9190-5	BS-25	152 S1+	109
890-9190-6	BS-26	98	114
890-9190-7	BS-27	77	84
890-9190-8	BS-28	76	90
890-9190-9	BS-29	83	89
890-9190-10	BS-30	75	85
LCS 880-126032/1-A	Lab Control Sample	136 S1+	104
LCSD 880-126032/2-A	Lab Control Sample Dup	139 S1+	106
MB 880-126032/5-A	Method Blank	113	81

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)
890-9190-1	BS-21	73	83
890-9190-2	BS-22	69 S1-	79
890-9190-3	BS-23	83	90
890-9190-4	BS-24	88	95
890-9190-5	BS-25	84	92
890-9190-6	BS-26	81	89
890-9190-7	BS-27	83	89
890-9190-8	BS-28	73	80
890-9190-9	BS-29	87	95
890-9190-10	BS-30	82	90
LCS 880-126027/2-A	Lab Control Sample	72	84
LCSD 880-126027/3-A	Lab Control Sample Dup	74	85
MB 880-126027/1-A	Method Blank	68 S1-	73

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9190-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-126032/5-A
Matrix: Solid
Analysis Batch: 126034

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126032

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 11:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 11:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 11:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 08:13	12/09/25 11:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 11:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 08:13	12/09/25 11:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*12/09/25 08:13*	*12/09/25 11:28*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*12/09/25 08:13*	*12/09/25 11:28*	*1*

Lab Sample ID: LCS 880-126032/1-A
Matrix: Solid
Analysis Batch: 126034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126032

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1075		mg/Kg		108	70 - 130		
Toluene			0.100	0.1135		mg/Kg		113	70 - 130		
Ethylbenzene			0.100	0.1127		mg/Kg		113	70 - 130		
m-Xylene & p-Xylene			0.200	0.2317		mg/Kg		116	70 - 130		
o-Xylene			0.100	0.1175		mg/Kg		117	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 880-126032/2-A
Matrix: Solid
Analysis Batch: 126034

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126032

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1043		mg/Kg		104	70 - 130	3	35
Toluene			0.100	0.1094		mg/Kg		109	70 - 130	4	35
Ethylbenzene			0.100	0.1095		mg/Kg		109	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.2256		mg/Kg		113	70 - 130	3	35
o-Xylene			0.100	0.1144		mg/Kg		114	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9190-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-126027/1-A
Matrix: Solid
Analysis Batch: 126052

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126027

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		12/08/25 20:13	12/09/25 17:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 17:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 17:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*68*	*S1-*	*70 - 130*	*12/08/25 20:13*	*12/09/25 17:55*	*1*
o-Terphenyl	*73*		*70 - 130*	*12/08/25 20:13*	*12/09/25 17:55*	*1*

Lab Sample ID: LCS 880-126027/2-A
Matrix: Solid
Analysis Batch: 126052

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126027

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	842.6		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)	1000	879.5		mg/Kg		88	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*72*		*70 - 130*
o-Terphenyl	*84*		*70 - 130*

Lab Sample ID: LCSD 880-126027/3-A
Matrix: Solid
Analysis Batch: 126052

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126027

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	859.2		mg/Kg		86	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	897.2		mg/Kg		90	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*74*		*70 - 130*
o-Terphenyl	*85*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-125960/1-A
Matrix: Solid
Analysis Batch: 126074

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			12/10/25 00:04	1

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9190-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-125960/2-A
Matrix: Solid
Analysis Batch: 126074

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	255.8		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-125960/3-A
Matrix: Solid
Analysis Batch: 126074

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	255.2		mg/Kg		102	90 - 110	0	20

Lab Sample ID: MB 880-125961/1-A
Matrix: Solid
Analysis Batch: 126075

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			12/10/25 02:56	1

Lab Sample ID: LCS 880-125961/2-A
Matrix: Solid
Analysis Batch: 126075

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	201.9	*-	mg/Kg		81	90 - 110		

Lab Sample ID: LCSD 880-125961/3-A
Matrix: Solid
Analysis Batch: 126075

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	256.0	*1	mg/Kg		102	90 - 110	24	20

Lab Sample ID: 890-9190-3 MS
Matrix: Solid
Analysis Batch: 126075

Client Sample ID: BS-23
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	58.1	*1 *-	249	322.0		mg/Kg		106	90 - 110		

Lab Sample ID: 890-9190-3 MSD
Matrix: Solid
Analysis Batch: 126075

Client Sample ID: BS-23
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	58.1	*1 *-	249	323.3		mg/Kg		107	90 - 110	0	20

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9190-1
SDG: Lea County NM

GC VOA

Prep Batch: 126032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9190-1	BS-21	Total/NA	Solid	5035	
890-9190-2	BS-22	Total/NA	Solid	5035	
890-9190-3	BS-23	Total/NA	Solid	5035	
890-9190-4	BS-24	Total/NA	Solid	5035	
890-9190-5	BS-25	Total/NA	Solid	5035	
890-9190-6	BS-26	Total/NA	Solid	5035	
890-9190-7	BS-27	Total/NA	Solid	5035	
890-9190-8	BS-28	Total/NA	Solid	5035	
890-9190-9	BS-29	Total/NA	Solid	5035	
890-9190-10	BS-30	Total/NA	Solid	5035	
MB 880-126032/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126032/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-126032/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 126034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9190-1	BS-21	Total/NA	Solid	8021B	126032
890-9190-2	BS-22	Total/NA	Solid	8021B	126032
890-9190-3	BS-23	Total/NA	Solid	8021B	126032
890-9190-4	BS-24	Total/NA	Solid	8021B	126032
890-9190-5	BS-25	Total/NA	Solid	8021B	126032
890-9190-6	BS-26	Total/NA	Solid	8021B	126032
890-9190-7	BS-27	Total/NA	Solid	8021B	126032
890-9190-8	BS-28	Total/NA	Solid	8021B	126032
890-9190-9	BS-29	Total/NA	Solid	8021B	126032
890-9190-10	BS-30	Total/NA	Solid	8021B	126032
MB 880-126032/5-A	Method Blank	Total/NA	Solid	8021B	126032
LCS 880-126032/1-A	Lab Control Sample	Total/NA	Solid	8021B	126032
LCSD 880-126032/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126032

Analysis Batch: 126200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9190-1	BS-21	Total/NA	Solid	Total BTEX	
890-9190-2	BS-22	Total/NA	Solid	Total BTEX	
890-9190-3	BS-23	Total/NA	Solid	Total BTEX	
890-9190-4	BS-24	Total/NA	Solid	Total BTEX	
890-9190-5	BS-25	Total/NA	Solid	Total BTEX	
890-9190-6	BS-26	Total/NA	Solid	Total BTEX	
890-9190-7	BS-27	Total/NA	Solid	Total BTEX	
890-9190-8	BS-28	Total/NA	Solid	Total BTEX	
890-9190-9	BS-29	Total/NA	Solid	Total BTEX	
890-9190-10	BS-30	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 126027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9190-1	BS-21	Total/NA	Solid	8015NM Prep	
890-9190-2	BS-22	Total/NA	Solid	8015NM Prep	
890-9190-3	BS-23	Total/NA	Solid	8015NM Prep	
890-9190-4	BS-24	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9190-1
SDG: Lea County NM

GC Semi VOA (Continued)

Prep Batch: 126027 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9190-5	BS-25	Total/NA	Solid	8015NM Prep	
890-9190-6	BS-26	Total/NA	Solid	8015NM Prep	
890-9190-7	BS-27	Total/NA	Solid	8015NM Prep	
890-9190-8	BS-28	Total/NA	Solid	8015NM Prep	
890-9190-9	BS-29	Total/NA	Solid	8015NM Prep	
890-9190-10	BS-30	Total/NA	Solid	8015NM Prep	
MB 880-126027/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126027/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126027/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 126052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9190-1	BS-21	Total/NA	Solid	8015B NM	126027
890-9190-2	BS-22	Total/NA	Solid	8015B NM	126027
890-9190-3	BS-23	Total/NA	Solid	8015B NM	126027
890-9190-4	BS-24	Total/NA	Solid	8015B NM	126027
890-9190-5	BS-25	Total/NA	Solid	8015B NM	126027
890-9190-6	BS-26	Total/NA	Solid	8015B NM	126027
890-9190-7	BS-27	Total/NA	Solid	8015B NM	126027
890-9190-8	BS-28	Total/NA	Solid	8015B NM	126027
890-9190-9	BS-29	Total/NA	Solid	8015B NM	126027
890-9190-10	BS-30	Total/NA	Solid	8015B NM	126027
MB 880-126027/1-A	Method Blank	Total/NA	Solid	8015B NM	126027
LCS 880-126027/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126027
LCSD 880-126027/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126027

Analysis Batch: 126236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9190-1	BS-21	Total/NA	Solid	8015 NM	
890-9190-2	BS-22	Total/NA	Solid	8015 NM	
890-9190-3	BS-23	Total/NA	Solid	8015 NM	
890-9190-4	BS-24	Total/NA	Solid	8015 NM	
890-9190-5	BS-25	Total/NA	Solid	8015 NM	
890-9190-6	BS-26	Total/NA	Solid	8015 NM	
890-9190-7	BS-27	Total/NA	Solid	8015 NM	
890-9190-8	BS-28	Total/NA	Solid	8015 NM	
890-9190-9	BS-29	Total/NA	Solid	8015 NM	
890-9190-10	BS-30	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 125960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9190-1	BS-21	Soluble	Solid	DI Leach	
890-9190-2	BS-22	Soluble	Solid	DI Leach	
MB 880-125960/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-125960/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-125960/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9190-1
SDG: Lea County NM

HPLC/IC

Leach Batch: 125961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9190-3	BS-23	Soluble	Solid	DI Leach	
890-9190-4	BS-24	Soluble	Solid	DI Leach	
890-9190-5	BS-25	Soluble	Solid	DI Leach	
890-9190-6	BS-26	Soluble	Solid	DI Leach	
890-9190-7	BS-27	Soluble	Solid	DI Leach	
890-9190-8	BS-28	Soluble	Solid	DI Leach	
890-9190-9	BS-29	Soluble	Solid	DI Leach	
890-9190-10	BS-30	Soluble	Solid	DI Leach	
MB 880-125961/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-125961/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-125961/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9190-3 MS	BS-23	Soluble	Solid	DI Leach	
890-9190-3 MSD	BS-23	Soluble	Solid	DI Leach	

Analysis Batch: 126074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9190-1	BS-21	Soluble	Solid	300.0	125960
890-9190-2	BS-22	Soluble	Solid	300.0	125960
MB 880-125960/1-A	Method Blank	Soluble	Solid	300.0	125960
LCS 880-125960/2-A	Lab Control Sample	Soluble	Solid	300.0	125960
LCSD 880-125960/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	125960

Analysis Batch: 126075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9190-3	BS-23	Soluble	Solid	300.0	125961
890-9190-4	BS-24	Soluble	Solid	300.0	125961
890-9190-5	BS-25	Soluble	Solid	300.0	125961
890-9190-6	BS-26	Soluble	Solid	300.0	125961
890-9190-7	BS-27	Soluble	Solid	300.0	125961
890-9190-8	BS-28	Soluble	Solid	300.0	125961
890-9190-9	BS-29	Soluble	Solid	300.0	125961
890-9190-10	BS-30	Soluble	Solid	300.0	125961
MB 880-125961/1-A	Method Blank	Soluble	Solid	300.0	125961
LCS 880-125961/2-A	Lab Control Sample	Soluble	Solid	300.0	125961
LCSD 880-125961/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	125961
890-9190-3 MS	BS-23	Soluble	Solid	300.0	125961
890-9190-3 MSD	BS-23	Soluble	Solid	300.0	125961

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9190-1
SDG: Lea County NM

Client Sample ID: BS-21
Date Collected: 12/02/25 09:40
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9190-1
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			4.96 g	5 mL	126032	12/09/25 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/09/25 17:36	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126200	12/09/25 17:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			126236	12/09/25 20:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126027	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126052	12/09/25 20:57	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	125960	12/08/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126074	12/10/25 02:27	CS	EET MID

Client Sample ID: BS-22
Date Collected: 12/02/25 09:45
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9190-2
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			5.03 g	5 mL	126032	12/09/25 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/09/25 17:57	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126200	12/09/25 17:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			126236	12/09/25 21:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126027	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126052	12/09/25 21:12	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	125960	12/08/25 14:41	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126074	12/10/25 02:32	CS	EET MID

Client Sample ID: BS-23
Date Collected: 12/02/25 09:50
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9190-3
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			5.00 g	5 mL	126032	12/09/25 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/09/25 18:17	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126200	12/09/25 18:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			126236	12/09/25 21:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126027	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126052	12/09/25 21:27	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	125961	12/08/25 14:43	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126075	12/10/25 08:07	CS	EET MID

Client Sample ID: BS-24
Date Collected: 12/02/25 09:55
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9190-4
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	126032	12/09/25 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/09/25 18:37	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126200	12/09/25 18:37	SA	EET MID

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9190-1
SDG: Lea County NM

Client Sample ID: BS-24
Date Collected: 12/02/25 09:55
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9190-4
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			126236	12/09/25 21:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	126027	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126052	12/09/25 21:58	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125961	12/08/25 14:43	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126075	12/10/25 08:12	CS	EET MID

Client Sample ID: BS-25
Date Collected: 12/02/25 10:00
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9190-5
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			4.98 g	5 mL	126032	12/09/25 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/09/25 18:58	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126200	12/09/25 18:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			126236	12/09/25 22:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126027	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126052	12/09/25 22:13	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	125961	12/08/25 14:43	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126075	12/10/25 08:17	CS	EET MID

Client Sample ID: BS-26
Date Collected: 12/02/25 10:05
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9190-6
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			4.95 g	5 mL	126032	12/09/25 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/09/25 19:18	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126200	12/09/25 19:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			126236	12/09/25 22:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126027	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126052	12/09/25 22:29	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125961	12/08/25 14:43	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126075	12/10/25 08:22	CS	EET MID

Client Sample ID: BS-27
Date Collected: 12/02/25 10:10
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9190-7
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			5.03 g	5 mL	126032	12/09/25 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/09/25 19:39	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126200	12/09/25 19:39	SA	EET MID
Total/NA	Analysis	8015 NM		1			126236	12/09/25 22:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126027	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126052	12/09/25 22:43	FC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9190-1
SDG: Lea County NM

Client Sample ID: BS-27
Date Collected: 12/02/25 10:10
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9190-7
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			4.98 g	50 mL	125961	12/08/25 14:43	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126075	12/10/25 03:26	CS	EET MID

Client Sample ID: BS-28
Date Collected: 12/02/25 10:15
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9190-8
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	126032	12/09/25 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/09/25 19:59	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126200	12/09/25 19:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			126236	12/09/25 22:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126027	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126052	12/09/25 22:59	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	125961	12/08/25 14:43	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126075	12/10/25 03:41	CS	EET MID

Client Sample ID: BS-29
Date Collected: 12/02/25 10:20
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9190-9
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	126032	12/09/25 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/09/25 20:20	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126200	12/09/25 20:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			126236	12/09/25 23:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	126027	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126052	12/09/25 23:14	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	125961	12/08/25 14:43	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126075	12/10/25 03:46	CS	EET MID

Client Sample ID: BS-30
Date Collected: 12/02/25 10:25
Date Received: 12/08/25 09:06

Lab Sample ID: 890-9190-10
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			4.98 g	5 mL	126032	12/09/25 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/09/25 20:40	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126200	12/09/25 20:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			126236	12/09/25 23:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126027	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126052	12/09/25 23:29	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	125961	12/08/25 14:43	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126075	12/10/25 03:51	CS	EET MID

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9190-1
SDG: Lea County NM

Laboratory References:

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

Accreditation/Certification Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9190-1
SDG: Lea 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	06-30-26

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: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9190-1
SDG: Lea 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: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9190-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9190-1	BS-21	Solid	12/02/25 09:40	12/08/25 09:06	5'
890-9190-2	BS-22	Solid	12/02/25 09:45	12/08/25 09:06	5'
890-9190-3	BS-23	Solid	12/02/25 09:50	12/08/25 09:06	5'
890-9190-4	BS-24	Solid	12/02/25 09:55	12/08/25 09:06	5'
890-9190-5	BS-25	Solid	12/02/25 10:00	12/08/25 09:06	5'
890-9190-6	BS-26	Solid	12/02/25 10:05	12/08/25 09:06	5'
890-9190-7	BS-27	Solid	12/02/25 10:10	12/08/25 09:06	5'
890-9190-8	BS-28	Solid	12/02/25 10:15	12/08/25 09:06	5'
890-9190-9	BS-29	Solid	12/02/25 10:20	12/08/25 09:06	5'
890-9190-10	BS-30	Solid	12/02/25 10:25	12/08/25 09:06	5'

Released to Imaging: 5/6/2026 10:32:00 AM
Received by OCD: 4/9/2026 12:41:38 PM

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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

890-9190 Chain of Custody

Project Manager:	Dimitry Nikanorov	Bill to: (if different)	
Company Name:	McNabb Partners	Company Name:	
Address:	5014 W Carlsbad Hwy	Address:	
City, State ZIP:	Hobbs, NM 882240	City, State ZIP:	
Phone:	Dimitry Nikanorov	Email:	

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:	MorningStar Casa State 001	Turn Around	
Project Number:		☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	48 hrs
Sampler's Name:	Dimitry Nikanorov	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	Thermo1
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-2.2
Total Containers:		Corrected Temperature:	-2.0

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX (8021B)	TPH (8015M GRO+DRO+ORO)	Chloride (EPA 300.0)	Sample Comments
BS-21	5'	12/2/2025	9:40	X		Comp	1		X	X	X	
BS-22	5'	12/2/2025	9:45	X		Comp	1		X	X	X	
BS-23	5'	12/2/2025	9:50	X		Comp	1		X	X	X	
BS-24	5'	12/2/2025	9:55	X		Comp	1		X	X	X	
BS-25	5'	12/2/2025	10:00	X		Comp	1		X	X	X	
BS-26	5'	12/2/2025	10:05	X		Comp	1		X	X	X	
BS-27	5'	12/2/2025	10:10	X		Comp	1		X	X	X	
BS-28	5'	12/2/2025	10:15	X		Comp	1		X	X	X	
BS-29	5'	12/2/2025	10:20	X		Comp	1		X	X	X	
BS-30	5'	12/2/2025	10:25	X		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 SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 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
1 DV	Burn	12-8 9:06	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: McNabb Partners

Job Number: 890-9190-1
SDG Number: Lea County NM

Login Number: 9190
List Number: 1
Creator: Lopez, Abraham

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: McNabb Partners

Job Number: 890-9190-1
SDG Number: Lea County NM

Login Number: 9190
List Number: 2
Creator: Vasquez, Julisa

List Source: Eurofins Midland
List Creation: 12/09/25 09:01 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	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Dimitry Nikanorov
McNabb Partners
5014 W Carlsbad Hwy
Hobbs, New Mexico 88240

Generated 12/10/2025 12:50:06 PM

JOB DESCRIPTION

MorningStar Casa State 001
Lea County NM

JOB NUMBER

890-9192-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 5/6/2026 10:32:00 AM

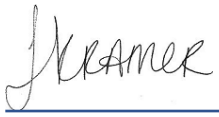
Eurofins Carlsbad

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
12/10/2025 12:50:06 PM

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

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Laboratory Job ID: 890-9192-1
SDG: Lea County NM

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Definitions/Glossary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9192-1
SDG: Lea County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*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.

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
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: McNabb Partners
Project: MorningStar Casa State 001

Job ID: 890-9192-1

Job ID: 890-9192-1 Eurofins Carlsbad

Job Narrative
890-9192-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 12/8/2025 10:21 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.0°C.

GC VOA
Method 8021B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-126042 and analytical batch 880-126034 recovered outside control limits for the following analytes: Benzene.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BS-11 (890-9192-1), BS-17 (890-9192-7) and BS-20 (890-9192-10). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-126042/1-A) and (890-9191-A-1-D MSD). Evidence of matrix interferences is not obvious.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-126042 and analytical batch 880-126034 was outside the upper control 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: Surrogate recovery for the following samples were outside control limits: BS-11 (890-9192-1), BS-12 (890-9192-2), BS-14 (890-9192-4), BS-16 (890-9192-6), BS-17 (890-9192-7), BS-19 (890-9192-9), BS-20 (890-9192-10), (MB 880-126028/1-A) and (890-9191-A-4-B). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: BS-15 (890-9192-5). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-126028/2-A) and (LCSD 880-126028/3-A). Evidence of matrix interferences is not obvious.

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 for preparation batch 880-125962 and analytical batch 880-126080 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.

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9192-1
SDG: Lea County NM

Client Sample ID: BS-11

Lab Sample ID: 890-9192-1
Matrix: Solid
Date Collected: 12/02/25 08:50
Date Received: 12/08/25 10:21
Sample Depth: 5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *1	0.00199		mg/Kg		12/09/25 09:07	12/10/25 04:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 09:07	12/10/25 04:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/25 09:07	12/10/25 04:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 09:07	12/10/25 04:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/25 09:07	12/10/25 04:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 09:07	12/10/25 04:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*161*	*S1+*	*70 - 130*	*12/09/25 09:07*	*12/10/25 04:34*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*12/09/25 09:07*	*12/10/25 04:34*	*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			12/10/25 04:34	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			12/09/25 20:57	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	<49.6	U	49.6		mg/Kg		12/08/25 20:13	12/09/25 20:57	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		12/08/25 20:13	12/09/25 20:57	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		12/08/25 20:13	12/09/25 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*12/08/25 20:13*	*12/09/25 20:57*	*1*
o-Terphenyl	*152*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/09/25 20:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**129**		9.96		mg/Kg			12/10/25 04:31	1

Client Sample ID: BS-12

Lab Sample ID: 890-9192-2
Matrix: Solid
Date Collected: 12/02/25 08:55
Date Received: 12/08/25 10:21
Sample Depth: 5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *1	0.00198		mg/Kg		12/09/25 09:07	12/10/25 04:55	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/09/25 09:07	12/10/25 04:55	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/09/25 09:07	12/10/25 04:55	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/09/25 09:07	12/10/25 04:55	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/09/25 09:07	12/10/25 04:55	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/09/25 09:07	12/10/25 04:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*12/09/25 09:07*	*12/10/25 04:55*	*1*

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9192-1
SDG: Lea County NM

Client Sample ID: BS-12

Lab Sample ID: 890-9192-2
Matrix: Solid
Date Collected: 12/02/25 08:55
Date Received: 12/08/25 10:21
Sample Depth: 5'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*12/09/25 09:07*	*12/10/25 04:55*	*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			12/10/25 04:55	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			12/09/25 21:12	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		12/08/25 20:13	12/09/25 21:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/08/25 20:13	12/09/25 21:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/08/25 20:13	12/09/25 21:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*12/08/25 20:13*	*12/09/25 21:12*	*1*
o-Terphenyl	*134*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/09/25 21:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**343**		9.90		mg/Kg			12/10/25 04:48	1

Client Sample ID: BS-13

Lab Sample ID: 890-9192-3
Matrix: Solid
Date Collected: 12/02/25 09:00
Date Received: 12/08/25 10:21
Sample Depth: 5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *1	0.00200		mg/Kg		12/09/25 09:07	12/10/25 05:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:07	12/10/25 05:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:07	12/10/25 05:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 09:07	12/10/25 05:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:07	12/10/25 05:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 09:07	12/10/25 05:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*12/09/25 09:07*	*12/10/25 05:15*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*12/09/25 09:07*	*12/10/25 05:15*	*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			12/10/25 05:15	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			12/09/25 21:27	1

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9192-1
SDG: Lea County NM

Client Sample ID: BS-13

Lab Sample ID: 890-9192-3
Matrix: Solid
Date Collected: 12/02/25 09:00
Date Received: 12/08/25 10:21
Sample Depth: 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	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/09/25 21:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/09/25 21:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/09/25 21:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*12/08/25 20:13*	*12/09/25 21:27*	*1*
o-Terphenyl	*123*		*70 - 130*	*12/08/25 20:13*	*12/09/25 21:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**127**		9.92		mg/Kg			12/10/25 04:54	1

Client Sample ID: BS-14

Lab Sample ID: 890-9192-4
Matrix: Solid
Date Collected: 12/02/25 09:05
Date Received: 12/08/25 10:21
Sample Depth: 5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *1	0.00201		mg/Kg		12/09/25 09:07	12/10/25 05:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 09:07	12/10/25 05:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 09:07	12/10/25 05:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 09:07	12/10/25 05:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/25 09:07	12/10/25 05:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 09:07	12/10/25 05:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*70 - 130*	*12/09/25 09:07*	*12/10/25 05:36*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*12/09/25 09:07*	*12/10/25 05:36*	*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			12/10/25 05:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/25 21:58	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	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/09/25 21:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/09/25 21:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/09/25 21:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*12/08/25 20:13*	*12/09/25 21:58*	*1*
o-Terphenyl	*150*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/09/25 21:58*	*1*

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9192-1
SDG: Lea County NM

Client Sample ID: BS-14

Lab Sample ID: 890-9192-4
Matrix: Solid
Date Collected: 12/02/25 09:05
Date Received: 12/08/25 10:21
Sample Depth: 5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/10/25 04:59	1

Client Sample ID: BS-15

Lab Sample ID: 890-9192-5
Matrix: Solid
Date Collected: 12/02/25 09:10
Date Received: 12/08/25 10:21
Sample Depth: 5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *1	0.00199		mg/Kg		12/09/25 09:07	12/10/25 05:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 09:07	12/10/25 05:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/25 09:07	12/10/25 05:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 09:07	12/10/25 05:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/25 09:07	12/10/25 05:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 09:07	12/10/25 05:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*12/09/25 09:07*	*12/10/25 05:56*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/09/25 09:07*	*12/10/25 05:56*	*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			12/10/25 05:56	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			12/09/25 22:13	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		12/08/25 20:13	12/09/25 22:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 22:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 22:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/09/25 22:13*	*1*
o-Terphenyl	*158*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/09/25 22:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**124**		9.94		mg/Kg			12/10/25 05:05	1

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9192-1
SDG: Lea County NM

Client Sample ID: BS-16

Lab Sample ID: 890-9192-6
Matrix: Solid
Date Collected: 12/02/25 09:15
Date Received: 12/08/25 10:21
Sample Depth: 5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *1	0.00200		mg/Kg		12/09/25 09:07	12/10/25 06:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:07	12/10/25 06:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:07	12/10/25 06:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 09:07	12/10/25 06:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:07	12/10/25 06:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 09:07	12/10/25 06:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*12/09/25 09:07*	*12/10/25 06:17*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*12/09/25 09:07*	*12/10/25 06:17*	*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			12/10/25 06:17	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			12/09/25 22:29	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		12/08/25 20:13	12/09/25 22:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/08/25 20:13	12/09/25 22:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/08/25 20:13	12/09/25 22:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*12/08/25 20:13*	*12/09/25 22:29*	*1*
o-Terphenyl	*159*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/09/25 22:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**203**		9.96		mg/Kg			12/10/25 05:11	1

Client Sample ID: BS-17

Lab Sample ID: 890-9192-7
Matrix: Solid
Date Collected: 12/02/25 09:20
Date Received: 12/08/25 10:21
Sample Depth: 5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *1	0.00201		mg/Kg		12/09/25 09:07	12/10/25 06:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 09:07	12/10/25 06:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 09:07	12/10/25 06:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 09:07	12/10/25 06:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/25 09:07	12/10/25 06:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 09:07	12/10/25 06:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*159*	*S1+*	*70 - 130*	*12/09/25 09:07*	*12/10/25 06:37*	*1*

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9192-1
SDG: Lea County NM

Client Sample ID: BS-17

Lab Sample ID: 890-9192-7
Matrix: Solid
Date Collected: 12/02/25 09:20
Date Received: 12/08/25 10:21
Sample Depth: 5'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*176*	*S1+*	*70 - 130*	*12/09/25 09:07*	*12/10/25 06:37*	*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			12/10/25 06:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/09/25 22:43	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		12/08/25 20:13	12/09/25 22:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/08/25 20:13	12/09/25 22:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/08/25 20:13	12/09/25 22:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*12/08/25 20:13*	*12/09/25 22:43*	*1*
o-Terphenyl	*149*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/09/25 22:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**53.8**	**F1**	9.98		mg/Kg			12/10/25 05:16	1

Client Sample ID: BS-18

Lab Sample ID: 890-9192-8
Matrix: Solid
Date Collected: 12/02/25 09:25
Date Received: 12/08/25 10:21
Sample Depth: 5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *1	0.00202		mg/Kg		12/09/25 09:07	12/10/25 06:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/09/25 09:07	12/10/25 06:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/09/25 09:07	12/10/25 06:57	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/09/25 09:07	12/10/25 06:57	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/09/25 09:07	12/10/25 06:57	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/09/25 09:07	12/10/25 06:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*12/09/25 09:07*	*12/10/25 06:57*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*12/09/25 09:07*	*12/10/25 06:57*	*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			12/10/25 06:57	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			12/09/25 22:59	1

Eurofins Carlsbad

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9192-1
SDG: Lea County NM

Client Sample ID: BS-18

Lab Sample ID: 890-9192-8
Matrix: Solid
Date Collected: 12/02/25 09:25
Date Received: 12/08/25 10:21
Sample Depth: 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	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/09/25 22:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/09/25 22:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 20:13	12/09/25 22:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*12/08/25 20:13*	*12/09/25 22:59*	*1*
o-Terphenyl	*125*		*70 - 130*	*12/08/25 20:13*	*12/09/25 22:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**99.7**		9.92		mg/Kg			12/10/25 05:33	1

Client Sample ID: BS-19

Lab Sample ID: 890-9192-9
Matrix: Solid
Date Collected: 12/02/25 09:30
Date Received: 12/08/25 10:21
Sample Depth: 5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *1	0.00199		mg/Kg		12/09/25 09:07	12/10/25 07:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 09:07	12/10/25 07:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/25 09:07	12/10/25 07:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 09:07	12/10/25 07:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/25 09:07	12/10/25 07:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 09:07	12/10/25 07:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*12/09/25 09:07*	*12/10/25 07:18*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*12/09/25 09:07*	*12/10/25 07:18*	*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			12/10/25 07:18	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			12/09/25 23:14	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	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 23:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 23:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 23:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*12/08/25 20:13*	*12/09/25 23:14*	*1*
o-Terphenyl	*131*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/09/25 23:14*	*1*

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9192-1
SDG: Lea County NM

Client Sample ID: BS-19

Lab Sample ID: 890-9192-9
Matrix: Solid
Date Collected: 12/02/25 09:30
Date Received: 12/08/25 10:21
Sample Depth: 5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.2		10.0		mg/Kg			12/10/25 05:39	1

Client Sample ID: BS-20

Lab Sample ID: 890-9192-10
Matrix: Solid
Date Collected: 12/02/25 09:35
Date Received: 12/08/25 10:21
Sample Depth: 5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *1	0.00199		mg/Kg		12/09/25 09:07	12/10/25 07:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 09:07	12/10/25 07:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/25 09:07	12/10/25 07:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 09:07	12/10/25 07:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/25 09:07	12/10/25 07:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 09:07	12/10/25 07:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*162*	*S1+*	*70 - 130*	*12/09/25 09:07*	*12/10/25 07:38*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*12/09/25 09:07*	*12/10/25 07:38*	*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			12/10/25 07:38	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			12/09/25 23:29	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		12/08/25 20:13	12/09/25 23:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/08/25 20:13	12/09/25 23:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/08/25 20:13	12/09/25 23:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*12/08/25 20:13*	*12/09/25 23:29*	*1*
o-Terphenyl	*164*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/09/25 23:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.2		10.1		mg/Kg			12/10/25 05:56	1

Surrogate Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9192-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

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

Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-9192-1	BS-11	161 S1+	107
890-9192-2	BS-12	80	89
890-9192-3	BS-13	75	82
890-9192-4	BS-14	71	81
890-9192-5	BS-15	91	99
890-9192-6	BS-16	80	84
890-9192-7	BS-17	159 S1+	176 S1+
890-9192-8	BS-18	79	85
890-9192-9	BS-19	97	107
890-9192-10	BS-20	162 S1+	103
LCS 880-126042/1-A	Lab Control Sample	110	160 S1+
LCSD 880-126042/2-A	Lab Control Sample Dup	104	71
MB 880-126032/5-A	Method Blank	113	81
MB 880-126042/5-A	Method Blank	147 S1+	100

Percent Surrogate Recovery (Acceptance Limits)

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	1CO1 (70-130)	OTPH1 (70-130)
890-9192-1	BS-11	130	152 S1+
890-9192-2	BS-12	117	134 S1+
890-9192-3	BS-13	118	123
890-9192-4	BS-14	124	150 S1+
890-9192-5	BS-15	134 S1+	158 S1+
890-9192-6	BS-16	124	159 S1+
890-9192-7	BS-17	128	149 S1+
890-9192-8	BS-18	117	125
890-9192-9	BS-19	113	131 S1+
890-9192-10	BS-20	123	164 S1+
LCS 880-126028/2-A	Lab Control Sample	110	135 S1+
LCSD 880-126028/3-A	Lab Control Sample Dup	114	165 S1+
MB 880-126028/1-A	Method Blank	122	167 S1+

Percent Surrogate Recovery (Acceptance Limits)

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9192-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-126032/5-A
Matrix: Solid
Analysis Batch: 126034

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126032

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 11:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 11:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 11:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 08:13	12/09/25 11:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:13	12/09/25 11:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 08:13	12/09/25 11:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*12/09/25 08:13*	*12/09/25 11:28*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*12/09/25 08:13*	*12/09/25 11:28*	*1*

Lab Sample ID: MB 880-126042/5-A
Matrix: Solid
Analysis Batch: 126034

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126042

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:07	12/09/25 23:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:07	12/09/25 23:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:07	12/09/25 23:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 09:07	12/09/25 23:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 09:07	12/09/25 23:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 09:07	12/09/25 23:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*147*	*S1+*	*70 - 130*	*12/09/25 09:07*	*12/09/25 23:34*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*12/09/25 09:07*	*12/09/25 23:34*	*1*

Lab Sample ID: LCS 880-126042/1-A
Matrix: Solid
Analysis Batch: 126034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126042

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07824		mg/Kg		78	70 - 130
Toluene	0.100	0.07809		mg/Kg		78	70 - 130
Ethylbenzene	0.100	0.07867		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	0.200	0.1628		mg/Kg		81	70 - 130
o-Xylene	0.100	0.08310		mg/Kg		83	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*160*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-126042/2-A
Matrix: Solid
Analysis Batch: 126034

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126042

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1218	*1	mg/Kg		122	70 - 130	44	35

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9192-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-126042/2-A
Matrix: Solid
Analysis Batch: 126034

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126042

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.08742		mg/Kg		87	70 - 130	11	35
Ethylbenzene			0.100	0.08835		mg/Kg		88	70 - 130	12	35
m-Xylene & p-Xylene			0.200	0.1647		mg/Kg		82	70 - 130	1	35
o-Xylene			0.100	0.08753		mg/Kg		88	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*

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

Lab Sample ID: MB 880-126028/1-A
Matrix: Solid
Analysis Batch: 126063

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126028

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		12/08/25 20:13	12/09/25 17:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 17:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 20:13	12/09/25 17:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*12/08/25 20:13*	*12/09/25 17:41*	*1*
o-Terphenyl	*167*	*S1+*	*70 - 130*	*12/08/25 20:13*	*12/09/25 17:41*	*1*

Lab Sample ID: LCS 880-126028/2-A
Matrix: Solid
Analysis Batch: 126063

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126028

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	944.4		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)			1000	1038		mg/Kg		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*135*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-126028/3-A
Matrix: Solid
Analysis Batch: 126063

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126028

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	954.9		mg/Kg		95	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1193		mg/Kg		119	70 - 130	14	20

Eurofins Carlsbad

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9192-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-126028/3-A
Matrix: Solid
Analysis Batch: 126063

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126028

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	165	S1+	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-125962/1-A
Matrix: Solid
Analysis Batch: 126080

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			12/10/25 03:41	1

Lab Sample ID: LCS 880-125962/2-A
Matrix: Solid
Analysis Batch: 126080

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	271.5		mg/Kg		109	90 - 110		

Lab Sample ID: LCSD 880-125962/3-A
Matrix: Solid
Analysis Batch: 126080

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	273.7		mg/Kg		109	90 - 110	1	20

Lab Sample ID: 890-9192-7 MS
Matrix: Solid
Analysis Batch: 126080

Client Sample ID: BS-17
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	53.8	F1	250	330.6	F1	mg/Kg		111	90 - 110		

Lab Sample ID: 890-9192-7 MSD
Matrix: Solid
Analysis Batch: 126080

Client Sample ID: BS-17
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	53.8	F1	250	331.7	F1	mg/Kg		111	90 - 110	0	20

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9192-1
SDG: Lea County NM

GC VOA

Prep Batch: 126032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-126032/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 126034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9192-1	BS-11	Total/NA	Solid	8021B	126042
890-9192-2	BS-12	Total/NA	Solid	8021B	126042
890-9192-3	BS-13	Total/NA	Solid	8021B	126042
890-9192-4	BS-14	Total/NA	Solid	8021B	126042
890-9192-5	BS-15	Total/NA	Solid	8021B	126042
890-9192-6	BS-16	Total/NA	Solid	8021B	126042
890-9192-7	BS-17	Total/NA	Solid	8021B	126042
890-9192-8	BS-18	Total/NA	Solid	8021B	126042
890-9192-9	BS-19	Total/NA	Solid	8021B	126042
890-9192-10	BS-20	Total/NA	Solid	8021B	126042
MB 880-126032/5-A	Method Blank	Total/NA	Solid	8021B	126032
MB 880-126042/5-A	Method Blank	Total/NA	Solid	8021B	126042
LCS 880-126042/1-A	Lab Control Sample	Total/NA	Solid	8021B	126042
LCSD 880-126042/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126042

Prep Batch: 126042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9192-1	BS-11	Total/NA	Solid	5035	
890-9192-2	BS-12	Total/NA	Solid	5035	
890-9192-3	BS-13	Total/NA	Solid	5035	
890-9192-4	BS-14	Total/NA	Solid	5035	
890-9192-5	BS-15	Total/NA	Solid	5035	
890-9192-6	BS-16	Total/NA	Solid	5035	
890-9192-7	BS-17	Total/NA	Solid	5035	
890-9192-8	BS-18	Total/NA	Solid	5035	
890-9192-9	BS-19	Total/NA	Solid	5035	
890-9192-10	BS-20	Total/NA	Solid	5035	
MB 880-126042/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126042/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-126042/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 126202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9192-1	BS-11	Total/NA	Solid	Total BTEX	
890-9192-2	BS-12	Total/NA	Solid	Total BTEX	
890-9192-3	BS-13	Total/NA	Solid	Total BTEX	
890-9192-4	BS-14	Total/NA	Solid	Total BTEX	
890-9192-5	BS-15	Total/NA	Solid	Total BTEX	
890-9192-6	BS-16	Total/NA	Solid	Total BTEX	
890-9192-7	BS-17	Total/NA	Solid	Total BTEX	
890-9192-8	BS-18	Total/NA	Solid	Total BTEX	
890-9192-9	BS-19	Total/NA	Solid	Total BTEX	
890-9192-10	BS-20	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9192-1
SDG: Lea County NM

GC Semi VOA

Prep Batch: 126028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9192-1	BS-11	Total/NA	Solid	8015NM Prep	
890-9192-2	BS-12	Total/NA	Solid	8015NM Prep	
890-9192-3	BS-13	Total/NA	Solid	8015NM Prep	
890-9192-4	BS-14	Total/NA	Solid	8015NM Prep	
890-9192-5	BS-15	Total/NA	Solid	8015NM Prep	
890-9192-6	BS-16	Total/NA	Solid	8015NM Prep	
890-9192-7	BS-17	Total/NA	Solid	8015NM Prep	
890-9192-8	BS-18	Total/NA	Solid	8015NM Prep	
890-9192-9	BS-19	Total/NA	Solid	8015NM Prep	
890-9192-10	BS-20	Total/NA	Solid	8015NM Prep	
MB 880-126028/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126028/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126028/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 126063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9192-1	BS-11	Total/NA	Solid	8015B NM	126028
890-9192-2	BS-12	Total/NA	Solid	8015B NM	126028
890-9192-3	BS-13	Total/NA	Solid	8015B NM	126028
890-9192-4	BS-14	Total/NA	Solid	8015B NM	126028
890-9192-5	BS-15	Total/NA	Solid	8015B NM	126028
890-9192-6	BS-16	Total/NA	Solid	8015B NM	126028
890-9192-7	BS-17	Total/NA	Solid	8015B NM	126028
890-9192-8	BS-18	Total/NA	Solid	8015B NM	126028
890-9192-9	BS-19	Total/NA	Solid	8015B NM	126028
890-9192-10	BS-20	Total/NA	Solid	8015B NM	126028
MB 880-126028/1-A	Method Blank	Total/NA	Solid	8015B NM	126028
LCS 880-126028/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126028
LCSD 880-126028/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126028

Analysis Batch: 126246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9192-1	BS-11	Total/NA	Solid	8015 NM	
890-9192-2	BS-12	Total/NA	Solid	8015 NM	
890-9192-3	BS-13	Total/NA	Solid	8015 NM	
890-9192-4	BS-14	Total/NA	Solid	8015 NM	
890-9192-5	BS-15	Total/NA	Solid	8015 NM	
890-9192-6	BS-16	Total/NA	Solid	8015 NM	
890-9192-7	BS-17	Total/NA	Solid	8015 NM	
890-9192-8	BS-18	Total/NA	Solid	8015 NM	
890-9192-9	BS-19	Total/NA	Solid	8015 NM	
890-9192-10	BS-20	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 125962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9192-1	BS-11	Soluble	Solid	DI Leach	
890-9192-2	BS-12	Soluble	Solid	DI Leach	
890-9192-3	BS-13	Soluble	Solid	DI Leach	
890-9192-4	BS-14	Soluble	Solid	DI Leach	

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9192-1
SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 125962 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9192-5	BS-15	Soluble	Solid	DI Leach	
890-9192-6	BS-16	Soluble	Solid	DI Leach	
890-9192-7	BS-17	Soluble	Solid	DI Leach	
890-9192-8	BS-18	Soluble	Solid	DI Leach	
890-9192-9	BS-19	Soluble	Solid	DI Leach	
890-9192-10	BS-20	Soluble	Solid	DI Leach	
MB 880-125962/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-125962/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-125962/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9192-7 MS	BS-17	Soluble	Solid	DI Leach	
890-9192-7 MSD	BS-17	Soluble	Solid	DI Leach	

Analysis Batch: 126080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9192-1	BS-11	Soluble	Solid	300.0	125962
890-9192-2	BS-12	Soluble	Solid	300.0	125962
890-9192-3	BS-13	Soluble	Solid	300.0	125962
890-9192-4	BS-14	Soluble	Solid	300.0	125962
890-9192-5	BS-15	Soluble	Solid	300.0	125962
890-9192-6	BS-16	Soluble	Solid	300.0	125962
890-9192-7	BS-17	Soluble	Solid	300.0	125962
890-9192-8	BS-18	Soluble	Solid	300.0	125962
890-9192-9	BS-19	Soluble	Solid	300.0	125962
890-9192-10	BS-20	Soluble	Solid	300.0	125962
MB 880-125962/1-A	Method Blank	Soluble	Solid	300.0	125962
LCS 880-125962/2-A	Lab Control Sample	Soluble	Solid	300.0	125962
LCSD 880-125962/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	125962
890-9192-7 MS	BS-17	Soluble	Solid	300.0	125962
890-9192-7 MSD	BS-17	Soluble	Solid	300.0	125962

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9192-1
SDG: Lea County NM

Client Sample ID: BS-11
Date Collected: 12/02/25 08:50
Date Received: 12/08/25 10:21

Lab Sample ID: 890-9192-1
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			5.03 g	5 mL	126042	12/09/25 09:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/10/25 04:34	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126202	12/10/25 04:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			126246	12/09/25 20:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10.00 mL	126028	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126063	12/09/25 20:57	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	125962	12/08/25 14:45	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126080	12/10/25 04:31	CS	EET MID

Client Sample ID: BS-12
Date Collected: 12/02/25 08:55
Date Received: 12/08/25 10:21

Lab Sample ID: 890-9192-2
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			5.05 g	5 mL	126042	12/09/25 09:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/10/25 04:55	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126202	12/10/25 04:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			126246	12/09/25 21:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126028	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126063	12/09/25 21:12	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	125962	12/08/25 14:45	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126080	12/10/25 04:48	CS	EET MID

Client Sample ID: BS-13
Date Collected: 12/02/25 09:00
Date Received: 12/08/25 10:21

Lab Sample ID: 890-9192-3
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			5.01 g	5 mL	126042	12/09/25 09:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/10/25 05:15	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126202	12/10/25 05:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			126246	12/09/25 21:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126028	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126063	12/09/25 21:27	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125962	12/08/25 14:45	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126080	12/10/25 04:54	CS	EET MID

Client Sample ID: BS-14
Date Collected: 12/02/25 09:05
Date Received: 12/08/25 10:21

Lab Sample ID: 890-9192-4
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			4.98 g	5 mL	126042	12/09/25 09:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/10/25 05:36	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126202	12/10/25 05:36	SA	EET MID

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9192-1
SDG: Lea County NM

Client Sample ID: BS-14
Date Collected: 12/02/25 09:05
Date Received: 12/08/25 10:21

Lab Sample ID: 890-9192-4
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			126246	12/09/25 21:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126028	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126063	12/09/25 21:58	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	125962	12/08/25 14:45	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126080	12/10/25 04:59	CS	EET MID

Client Sample ID: BS-15
Date Collected: 12/02/25 09:10
Date Received: 12/08/25 10:21

Lab Sample ID: 890-9192-5
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			5.03 g	5 mL	126042	12/09/25 09:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/10/25 05:56	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126202	12/10/25 05:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			126246	12/09/25 22:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126028	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126063	12/09/25 22:13	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	125962	12/08/25 14:45	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126080	12/10/25 05:05	CS	EET MID

Client Sample ID: BS-16
Date Collected: 12/02/25 09:15
Date Received: 12/08/25 10:21

Lab Sample ID: 890-9192-6
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			5.01 g	5 mL	126042	12/09/25 09:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/10/25 06:17	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126202	12/10/25 06:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			126246	12/09/25 22:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	126028	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126063	12/09/25 22:29	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	125962	12/08/25 14:45	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126080	12/10/25 05:11	CS	EET MID

Client Sample ID: BS-17
Date Collected: 12/02/25 09:20
Date Received: 12/08/25 10:21

Lab Sample ID: 890-9192-7
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			4.98 g	5 mL	126042	12/09/25 09:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/10/25 06:37	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126202	12/10/25 06:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			126246	12/09/25 22:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	126028	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126063	12/09/25 22:43	FC	EET MID

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Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9192-1
SDG: Lea County NM

Client Sample ID: BS-17
Date Collected: 12/02/25 09:20
Date Received: 12/08/25 10:21

Lab Sample ID: 890-9192-7
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			5.01 g	50 mL	125962	12/08/25 14:45	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126080	12/10/25 05:16	CS	EET MID

Client Sample ID: BS-18
Date Collected: 12/02/25 09:25
Date Received: 12/08/25 10:21

Lab Sample ID: 890-9192-8
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			4.95 g	5 mL	126042	12/09/25 09:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/10/25 06:57	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126202	12/10/25 06:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			126246	12/09/25 22:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126028	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126063	12/09/25 22:59	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125962	12/08/25 14:45	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126080	12/10/25 05:33	CS	EET MID

Client Sample ID: BS-19
Date Collected: 12/02/25 09:30
Date Received: 12/08/25 10:21

Lab Sample ID: 890-9192-9
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			5.03 g	5 mL	126042	12/09/25 09:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/10/25 07:18	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126202	12/10/25 07:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			126246	12/09/25 23:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126028	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126063	12/09/25 23:14	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	125962	12/08/25 14:45	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126080	12/10/25 05:39	CS	EET MID

Client Sample ID: BS-20
Date Collected: 12/02/25 09:35
Date Received: 12/08/25 10:21

Lab Sample ID: 890-9192-10
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			5.02 g	5 mL	126042	12/09/25 09:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126034	12/10/25 07:38	SA	EET MID
Total/NA	Analysis	Total BTEX		1			126202	12/10/25 07:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			126246	12/09/25 23:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126028	12/08/25 20:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126063	12/09/25 23:29	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	125962	12/08/25 14:45	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126080	12/10/25 05:56	CS	EET MID

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9192-1
SDG: Lea County NM

Laboratory References:

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

Accreditation/Certification Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9192-1
SDG: Lea 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	06-30-26

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: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9192-1
SDG: Lea 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: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9192-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9192-1	BS-11	Solid	12/02/25 08:50	12/08/25 10:21	5'
890-9192-2	BS-12	Solid	12/02/25 08:55	12/08/25 10:21	5'
890-9192-3	BS-13	Solid	12/02/25 09:00	12/08/25 10:21	5'
890-9192-4	BS-14	Solid	12/02/25 09:05	12/08/25 10:21	5'
890-9192-5	BS-15	Solid	12/02/25 09:10	12/08/25 10:21	5'
890-9192-6	BS-16	Solid	12/02/25 09:15	12/08/25 10:21	5'
890-9192-7	BS-17	Solid	12/02/25 09:20	12/08/25 10:21	5'
890-9192-8	BS-18	Solid	12/02/25 09:25	12/08/25 10:21	5'
890-9192-9	BS-19	Solid	12/02/25 09:30	12/08/25 10:21	5'
890-9192-10	BS-20	Solid	12/02/25 09:35	12/08/25 10:21	5'

Released to Imaging: 5/6/2026 10:32:00 AM
Received by OCD: 4/9/2026 12:41:38 PM

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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

890-9192 Chain of Custody

www.xenco.com Page 1 of 1

Project Manager:	Dimitry Nikanorov	Bill to: (if different)	
Company Name:	McNabb Partners	Company Name:	
Address:	5014 W Carlsbad Hwy	Address:	
City, State ZIP:	Hobbs, NM 882240	City, State ZIP:	
Phone:	Dimitry Nikanorov	Email:	

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:	MorningStar Casa State 001	Turn Around	
Project Number:		☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	48 hrs
Sampler's Name:	Dimitry Nikanorov	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TNMCC
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-2.2
Total Containers:		Corrected Temperature:	-2.0

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX (8021B)	TPH (8015M GRO+DRO+ORO)	Chloride (EPA 300.0)	Sample Comments
BS-11	5'	12/2/2025	8:50	X		Comp	1	X	X	X	
BS-12	5'	12/2/2025	8:55	X		Comp	1	X	X	X	
BS-13	5'	12/2/2025	9:00	X		Comp	1	X	X	X	
BS-14	5'	12/2/2025	9:05	X		Comp	1	X	X	X	
BS-15	5'	12/2/2025	9:10	X		Comp	1	X	X	X	
BS-16	5'	12/2/2025	9:15	X		Comp	1	X	X	X	
BS-17	5'	12/2/2025	9:20	X		Comp	1	X	X	X	
BS-18	5'	12/2/2025	9:25	X		Comp	1	X	X	X	
BS-19	5'	12/2/2025	9:30	X		Comp	1	X	X	X	
BS-20	5'	12/2/2025	9:35	X		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 SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 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
1 DN		12-8 906	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: McNabb Partners

Job Number: 890-9192-1
SDG Number: Lea County NM

Login Number: 9192
List Number: 1
Creator: Lopez, Abraham

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: McNabb Partners

Job Number: 890-9192-1
SDG Number: Lea County NM

Login Number: 9192
List Number: 2
Creator: Vasquez, Julisa

List Source: Eurofins Midland
List Creation: 12/09/25 09:01 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	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Dimitry Nikanorov
McNabb Partners
5014 W Carlsbad Hwy
Hobbs, New Mexico 88240
Generated 12/15/2025 2:53:24 PM

JOB DESCRIPTION

MorningStar Casa State 001
Lea County NM

JOB NUMBER

890-9221-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 5/6/2026 10:32:00 AM

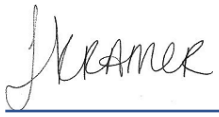
Eurofins Carlsbad

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
12/15/2025 2:53:24 PM

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

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Laboratory Job ID: 890-9221-1
SDG: Lea County NM

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Definitions/Glossary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9221-1
SDG: Lea County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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: McNabb Partners
Project: MorningStar Casa State 001

Job ID: 890-9221-1

Job ID: 890-9221-1 Eurofins Carlsbad

Job Narrative
890-9221-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 12/11/2025 4:42 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 5.4°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: BS-01 (890-9221-1), BS-02 (890-9221-2), BS-03 (890-9221-3), BS-04 (890-9221-4), BS-05 (890-9221-5), BS-06 (890-9221-6), BS-07 (890-9221-7), BS-08 (890-9221-8), BS-09 (890-9221-9) and BS-10 (890-9221-10).

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-126616 and analytical batch 880-126594 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.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-126616 and analytical batch 880-126594 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BS-03 (890-9221-3), BS-07 (890-9221-7), BS-08 (890-9221-8), BS-09 (890-9221-9), BS-10 (890-9221-10), (890-9221-A-1-G MS) and (890-9221-A-1-H MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: BS-06 (890-9221-6). 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: Surrogate recovery for the following samples were outside control limits: (890-9221-A-1-B MS) and (890-9221-A-1-C 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.

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

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9221-1
SDG: Lea County NM

Client Sample ID: BS-01

Lab Sample ID: 890-9221-1
Matrix: Solid
Date Collected: 12/02/25 08:00
Date Received: 12/11/25 16:42

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		12/13/25 08:31	12/14/25 14:37	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		12/13/25 08:31	12/14/25 14:37	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		12/13/25 08:31	12/14/25 14:37	1
m-Xylene & p-Xylene	<0.00399	U F1	0.00399		mg/Kg		12/13/25 08:31	12/14/25 14:37	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		12/13/25 08:31	12/14/25 14:37	1
Xylenes, Total	<0.00399	U F1	0.00399		mg/Kg		12/13/25 08:31	12/14/25 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*12/13/25 08:31*	*12/14/25 14:37*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*12/13/25 08:31*	*12/14/25 14:37*	*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			12/14/25 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/14/25 20:53	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		12/12/25 16:27	12/14/25 20:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/25 16:27	12/14/25 20:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/25 16:27	12/14/25 20:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*12/12/25 16:27*	*12/14/25 20:53*	*1*
o-Terphenyl	*118*		*70 - 130*	*12/12/25 16:27*	*12/14/25 20:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**114**		10.0		mg/Kg			12/15/25 09:11	1

Client Sample ID: BS-02

Lab Sample ID: 890-9221-2
Matrix: Solid
Date Collected: 12/02/25 08:05
Date Received: 12/11/25 16:42

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		12/13/25 08:31	12/14/25 14:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:31	12/14/25 14:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:31	12/14/25 14:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/13/25 08:31	12/14/25 14:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:31	12/14/25 14:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/13/25 08:31	12/14/25 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*12/13/25 08:31*	*12/14/25 14:57*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*12/13/25 08:31*	*12/14/25 14:57*	*1*

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9221-1
SDG: Lea County NM

Client Sample ID: BS-02

Lab Sample ID: 890-9221-2
Date Collected: 12/02/25 08:05
Matrix: Solid
Date Received: 12/11/25 16:42

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			12/14/25 14:57	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			12/14/25 21:35	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		12/12/25 16:27	12/14/25 21:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/25 16:27	12/14/25 21:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/25 16:27	12/14/25 21:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*12/12/25 16:27*	*12/14/25 21:35*	*1*
o-Terphenyl	*122*		*70 - 130*	*12/12/25 16:27*	*12/14/25 21:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**197**		9.96		mg/Kg			12/15/25 09:39	1

Client Sample ID: BS-03

Lab Sample ID: 890-9221-3
Date Collected: 12/02/25 08:10
Matrix: Solid
Date Received: 12/11/25 16:42

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		12/13/25 08:31	12/14/25 15:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:31	12/14/25 15:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:31	12/14/25 15:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/13/25 08:31	12/14/25 15:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:31	12/14/25 15:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/13/25 08:31	12/14/25 15:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*12/13/25 08:31*	*12/14/25 15:18*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*12/13/25 08:31*	*12/14/25 15:18*	*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			12/14/25 15:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/14/25 21:50	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		12/12/25 16:27	12/14/25 21:50	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/12/25 16:27	12/14/25 21:50	1

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9221-1
SDG: Lea County NM

Client Sample ID: BS-03

Lab Sample ID: 890-9221-3
Matrix: Solid
Date Collected: 12/02/25 08:10
Date Received: 12/11/25 16:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/12/25 16:27	12/14/25 21:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*12/12/25 16:27*	*12/14/25 21:50*	*1*
o-Terphenyl	*122*		*70 - 130*	*12/12/25 16:27*	*12/14/25 21:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**74.9**		10.1		mg/Kg			12/15/25 09:46	1

Client Sample ID: BS-04

Lab Sample ID: 890-9221-4
Matrix: Solid
Date Collected: 12/02/25 08:15
Date Received: 12/11/25 16:42

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		12/13/25 08:31	12/14/25 15:38	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/13/25 08:31	12/14/25 15:38	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/13/25 08:31	12/14/25 15:38	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/13/25 08:31	12/14/25 15:38	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/13/25 08:31	12/14/25 15:38	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/13/25 08:31	12/14/25 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*12/13/25 08:31*	*12/14/25 15:38*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*12/13/25 08:31*	*12/14/25 15:38*	*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			12/14/25 15:38	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			12/14/25 22:04	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		12/12/25 16:27	12/14/25 22:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/12/25 16:27	12/14/25 22:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/12/25 16:27	12/14/25 22:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*12/12/25 16:27*	*12/14/25 22:04*	*1*
o-Terphenyl	*126*		*70 - 130*	*12/12/25 16:27*	*12/14/25 22:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**101**		10.1		mg/Kg			12/15/25 09:53	1

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9221-1
SDG: Lea County NM

Client Sample ID: BS-05

Lab Sample ID: 890-9221-5
Matrix: Solid
Date Collected: 12/02/25 08:20
Date Received: 12/11/25 16:42

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		12/13/25 08:31	12/14/25 15:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:31	12/14/25 15:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:31	12/14/25 15:59	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/13/25 08:31	12/14/25 15:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:31	12/14/25 15:59	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/13/25 08:31	12/14/25 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*12/13/25 08:31*	*12/14/25 15:59*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*12/13/25 08:31*	*12/14/25 15:59*	*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			12/14/25 15:59	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			12/14/25 22:17	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		12/12/25 16:27	12/14/25 22:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/25 16:27	12/14/25 22:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/25 16:27	12/14/25 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*12/12/25 16:27*	*12/14/25 22:17*	*1*
o-Terphenyl	*87*		*70 - 130*	*12/12/25 16:27*	*12/14/25 22:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**88.7**		9.90		mg/Kg			12/15/25 09:59	1

Client Sample ID: BS-06

Lab Sample ID: 890-9221-6
Matrix: Solid
Date Collected: 12/02/25 08:25
Date Received: 12/11/25 16:42

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		12/13/25 08:31	12/14/25 16:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:31	12/14/25 16:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:31	12/14/25 16:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/13/25 08:31	12/14/25 16:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:31	12/14/25 16:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/13/25 08:31	12/14/25 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*	*12/13/25 08:31*	*12/14/25 16:19*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*12/13/25 08:31*	*12/14/25 16:19*	*1*

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9221-1
SDG: Lea County NM

Client Sample ID: BS-06

Lab Sample ID: 890-9221-6
Matrix: Solid
Date Collected: 12/02/25 08:25
Date Received: 12/11/25 16:42

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			12/14/25 16:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/14/25 22:32	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		12/12/25 16:27	12/14/25 22:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/12/25 16:27	12/14/25 22:32	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/12/25 16:27	12/14/25 22:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*12/12/25 16:27*	*12/14/25 22:32*	*1*
o-Terphenyl	*121*		*70 - 130*	*12/12/25 16:27*	*12/14/25 22:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**64.9**		10.1		mg/Kg			12/15/25 10:20	1

Client Sample ID: BS-07

Lab Sample ID: 890-9221-7
Matrix: Solid
Date Collected: 12/02/25 08:30
Date Received: 12/11/25 16:42

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		12/13/25 08:31	12/14/25 16:40	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/13/25 08:31	12/14/25 16:40	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/13/25 08:31	12/14/25 16:40	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/13/25 08:31	12/14/25 16:40	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/13/25 08:31	12/14/25 16:40	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/13/25 08:31	12/14/25 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*12/13/25 08:31*	*12/14/25 16:40*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*12/13/25 08:31*	*12/14/25 16:40*	*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			12/14/25 16:40	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			12/14/25 22:45	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		12/12/25 16:27	12/14/25 22:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/12/25 16:27	12/14/25 22:45	1

Eurofins Carlsbad

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9221-1
SDG: Lea County NM

Client Sample ID: BS-07

Lab Sample ID: 890-9221-7
Matrix: Solid
Date Collected: 12/02/25 08:30
Date Received: 12/11/25 16:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/12/25 16:27	12/14/25 22:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*12/12/25 16:27*	*12/14/25 22:45*	*1*
o-Terphenyl	*126*		*70 - 130*	*12/12/25 16:27*	*12/14/25 22:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**134**		10.1		mg/Kg			12/15/25 10:28	1

Client Sample ID: BS-08

Lab Sample ID: 890-9221-8
Matrix: Solid
Date Collected: 12/02/25 08:35
Date Received: 12/11/25 16:42

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		12/13/25 08:31	12/14/25 17:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:31	12/14/25 17:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:31	12/14/25 17:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/13/25 08:31	12/14/25 17:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:31	12/14/25 17:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/13/25 08:31	12/14/25 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*141*	*S1+*	*70 - 130*	*12/13/25 08:31*	*12/14/25 17:00*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*12/13/25 08:31*	*12/14/25 17:00*	*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			12/14/25 17:00	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			12/14/25 23:00	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	<50.0	U	50.0		mg/Kg		12/12/25 16:27	12/14/25 23:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/25 16:27	12/14/25 23:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/25 16:27	12/14/25 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*12/12/25 16:27*	*12/14/25 23:00*	*1*
o-Terphenyl	*126*		*70 - 130*	*12/12/25 16:27*	*12/14/25 23:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**64.6**		10.0		mg/Kg			12/15/25 10:43	1

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9221-1
SDG: Lea County NM

Client Sample ID: BS-09

Lab Sample ID: 890-9221-9
Matrix: Solid
Date Collected: 12/02/25 08:40
Date Received: 12/11/25 16:42

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		12/13/25 08:31	12/14/25 17:21	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/13/25 08:31	12/14/25 17:21	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/13/25 08:31	12/14/25 17:21	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/13/25 08:31	12/14/25 17:21	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/13/25 08:31	12/14/25 17:21	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/13/25 08:31	12/14/25 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*153*	*S1+*	*70 - 130*	*12/13/25 08:31*	*12/14/25 17:21*	*1*
1,4-Difluorobenzene (Surr)	*126*		*70 - 130*	*12/13/25 08:31*	*12/14/25 17:21*	*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			12/14/25 17:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/14/25 23:14	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	<49.9	U	49.9		mg/Kg		12/12/25 16:27	12/14/25 23:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/12/25 16:27	12/14/25 23:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/12/25 16:27	12/14/25 23:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*12/12/25 16:27*	*12/14/25 23:14*	*1*
o-Terphenyl	*122*		*70 - 130*	*12/12/25 16:27*	*12/14/25 23:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**137**		10.1		mg/Kg			12/15/25 10:36	1

Client Sample ID: BS-10

Lab Sample ID: 890-9221-10
Matrix: Solid
Date Collected: 12/02/25 08:45
Date Received: 12/11/25 16:42

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		12/13/25 08:31	12/14/25 17:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:31	12/14/25 17:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:31	12/14/25 17:41	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/13/25 08:31	12/14/25 17:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:31	12/14/25 17:41	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/13/25 08:31	12/14/25 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*12/13/25 08:31*	*12/14/25 17:41*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*12/13/25 08:31*	*12/14/25 17:41*	*1*

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9221-1
SDG: Lea County NM

Client Sample ID: BS-10

Date Collected: 12/02/25 08:45
Date Received: 12/11/25 16:42

Lab Sample ID: 890-9221-10

Matrix: Solid

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			12/14/25 17:41	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			12/14/25 23:28	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	<50.1	U	50.1		mg/Kg		12/12/25 16:27	12/14/25 23:28	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/12/25 16:27	12/14/25 23:28	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/12/25 16:27	12/14/25 23:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*12/12/25 16:27*	*12/14/25 23:28*	*1*
o-Terphenyl	*119*		*70 - 130*	*12/12/25 16:27*	*12/14/25 23:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**61.9**		9.96		mg/Kg			12/15/25 10:50	1

Surrogate Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9221-1
SDG: Lea 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)										
890-9221-1	BS-01	104	114										
890-9221-1 MS	BS-01	116	99										
890-9221-1 MSD	BS-01	122	106										
890-9221-2	BS-02	124	115										
890-9221-3	BS-03	135 S1+	114										
890-9221-4	BS-04	126	111										
890-9221-5	BS-05	128	103										
890-9221-6	BS-06	144 S1+	114										
890-9221-7	BS-07	140 S1+	117										
890-9221-8	BS-08	141 S1+	116										
890-9221-9	BS-09	153 S1+	126										
890-9221-10	BS-10	139 S1+	111										
LCS 880-126616/1-A	Lab Control Sample	106	96										
LCSD 880-126616/2-A	Lab Control Sample Dup	105	98										
MB 880-126611/5-A	Method Blank	186 S1+	110										
MB 880-126616/5-A	Method Blank	195 S1+	119										

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)										
890-9221-1	BS-01	107	118										
890-9221-1 MS	BS-01	134 S1+	120										
890-9221-1 MSD	BS-01	133 S1+	119										
890-9221-2	BS-02	110	122										
890-9221-3	BS-03	108	122										
890-9221-4	BS-04	114	126										
890-9221-5	BS-05	79	87										
890-9221-6	BS-06	111	121										
890-9221-7	BS-07	114	126										
890-9221-8	BS-08	113	126										
890-9221-9	BS-09	113	122										
890-9221-10	BS-10	112	119										
LCS 880-126579/2-A	Lab Control Sample	130	117										
LCSD 880-126579/3-A	Lab Control Sample Dup	128	119										
MB 880-126579/1-A	Method Blank	110	114										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9221-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-126611/5-A
Matrix: Solid
Analysis Batch: 126594

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126611

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:26	12/14/25 02:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:26	12/14/25 02:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:26	12/14/25 02:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/13/25 08:26	12/14/25 02:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:26	12/14/25 02:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/13/25 08:26	12/14/25 02:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*186*	*S1+*	*70 - 130*	*12/13/25 08:26*	*12/14/25 02:31*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*12/13/25 08:26*	*12/14/25 02:31*	*1*

Lab Sample ID: MB 880-126616/5-A
Matrix: Solid
Analysis Batch: 126594

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126616

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:31	12/14/25 14:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:31	12/14/25 14:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:31	12/14/25 14:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/13/25 08:31	12/14/25 14:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:31	12/14/25 14:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/13/25 08:31	12/14/25 14:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*195*	*S1+*	*70 - 130*	*12/13/25 08:31*	*12/14/25 14:08*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*12/13/25 08:31*	*12/14/25 14:08*	*1*

Lab Sample ID: LCS 880-126616/1-A
Matrix: Solid
Analysis Batch: 126594

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126616

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09697		mg/Kg		97	70 - 130
Toluene	0.100	0.09339		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09731		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.1863		mg/Kg		93	70 - 130
o-Xylene	0.100	0.1019		mg/Kg		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-126616/2-A
Matrix: Solid
Analysis Batch: 126594

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126616

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09363		mg/Kg		94	70 - 130	4	35

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9221-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-126616/2-A
Matrix: Solid
Analysis Batch: 126594

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126616

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09668		mg/Kg		97	70 - 130	3	35
Ethylbenzene			0.100	0.09101		mg/Kg		91	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.1732		mg/Kg		87	70 - 130	7	35
o-Xylene			0.100	0.09460		mg/Kg		95	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 890-9221-1 MS
Matrix: Solid
Analysis Batch: 126594

Client Sample ID: BS-01
Prep Type: Total/NA
Prep Batch: 126616

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.100	0.03210	F1	mg/Kg		32	70 - 130
Toluene	<0.00200	U F1	0.100	0.03088	F1	mg/Kg		31	70 - 130
Ethylbenzene	<0.00200	U F1	0.100	0.03195	F1	mg/Kg		31	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.07371	F1	mg/Kg		37	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.04581	F1	mg/Kg		46	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 890-9221-1 MSD
Matrix: Solid
Analysis Batch: 126594

Client Sample ID: BS-01
Prep Type: Total/NA
Prep Batch: 126616

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	0.03215	F1	mg/Kg		32	70 - 130	0	35
Toluene	<0.00200	U F1	0.100	0.03174	F1	mg/Kg		32	70 - 130	3	35
Ethylbenzene	<0.00200	U F1	0.100	0.03391	F1	mg/Kg		33	70 - 130	6	35
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.08456	F1	mg/Kg		42	70 - 130	14	35
o-Xylene	<0.00200	U F1	0.100	0.04806	F1	mg/Kg		48	70 - 130	5	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

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

Lab Sample ID: MB 880-126579/1-A
Matrix: Solid
Analysis Batch: 126598

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126579

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		12/12/25 16:26	12/14/25 19:16	1

Eurofins Carlsbad

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9221-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-126579/1-A
Matrix: Solid
Analysis Batch: 126598

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126579

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		12/12/25 16:26	12/14/25 19:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/25 16:26	12/14/25 19:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*12/12/25 16:26*	*12/14/25 19:16*	*1*
o-Terphenyl	*114*		*70 - 130*	*12/12/25 16:26*	*12/14/25 19:16*	*1*

Lab Sample ID: LCS 880-126579/2-A
Matrix: Solid
Analysis Batch: 126598

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126579

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	896.3		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1070		mg/Kg		107	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*130*		*70 - 130*
o-Terphenyl	*117*		*70 - 130*

Lab Sample ID: LCSD 880-126579/3-A
Matrix: Solid
Analysis Batch: 126598

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126579

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	872.2		mg/Kg		87	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1068		mg/Kg		107	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*128*		*70 - 130*
o-Terphenyl	*119*		*70 - 130*

Lab Sample ID: 890-9221-1 MS
Matrix: Solid
Analysis Batch: 126598

Client Sample ID: BS-01
Prep Type: Total/NA
Prep Batch: 126579

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	1000	810.2		mg/Kg		79	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	966.1		mg/Kg		97	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*134*	*S1+*	*70 - 130*
o-Terphenyl	*120*		*70 - 130*

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9221-1
SDG: Lea County NM

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

Lab Sample ID: 890-9221-1 MSD
Matrix: Solid
Analysis Batch: 126598

Client Sample ID: BS-01
Prep Type: Total/NA
Prep Batch: 126579

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	1000	795.3		mg/Kg		78	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	950.7		mg/Kg		95	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*133*	*S1+*	*70 - 130*
o-Terphenyl	*119*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-126589/1-A
Matrix: Solid
Analysis Batch: 126649

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			12/15/25 09:18	1

Lab Sample ID: LCS 880-126589/2-A
Matrix: Solid
Analysis Batch: 126649

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	267.2		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-126589/3-A
Matrix: Solid
Analysis Batch: 126649

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	262.5		mg/Kg		105	90 - 110	2	20

Lab Sample ID: 890-9221-1 MS
Matrix: Solid
Analysis Batch: 126649

Client Sample ID: BS-01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	114		251	353.8		mg/Kg		96	90 - 110

Lab Sample ID: 890-9221-1 MSD
Matrix: Solid
Analysis Batch: 126649

Client Sample ID: BS-01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	114		251	352.9		mg/Kg		95	90 - 110	0	20

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9221-1
SDG: Lea County NM

GC VOA

Analysis Batch: 126594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9221-1	BS-01	Total/NA	Solid	8021B	126616
890-9221-2	BS-02	Total/NA	Solid	8021B	126616
890-9221-3	BS-03	Total/NA	Solid	8021B	126616
890-9221-4	BS-04	Total/NA	Solid	8021B	126616
890-9221-5	BS-05	Total/NA	Solid	8021B	126616
890-9221-6	BS-06	Total/NA	Solid	8021B	126616
890-9221-7	BS-07	Total/NA	Solid	8021B	126616
890-9221-8	BS-08	Total/NA	Solid	8021B	126616
890-9221-9	BS-09	Total/NA	Solid	8021B	126616
890-9221-10	BS-10	Total/NA	Solid	8021B	126616
MB 880-126611/5-A	Method Blank	Total/NA	Solid	8021B	126611
MB 880-126616/5-A	Method Blank	Total/NA	Solid	8021B	126616
LCS 880-126616/1-A	Lab Control Sample	Total/NA	Solid	8021B	126616
LCSD 880-126616/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126616
890-9221-1 MS	BS-01	Total/NA	Solid	8021B	126616
890-9221-1 MSD	BS-01	Total/NA	Solid	8021B	126616

Prep Batch: 126611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-126611/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 126616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9221-1	BS-01	Total/NA	Solid	5035	
890-9221-2	BS-02	Total/NA	Solid	5035	
890-9221-3	BS-03	Total/NA	Solid	5035	
890-9221-4	BS-04	Total/NA	Solid	5035	
890-9221-5	BS-05	Total/NA	Solid	5035	
890-9221-6	BS-06	Total/NA	Solid	5035	
890-9221-7	BS-07	Total/NA	Solid	5035	
890-9221-8	BS-08	Total/NA	Solid	5035	
890-9221-9	BS-09	Total/NA	Solid	5035	
890-9221-10	BS-10	Total/NA	Solid	5035	
MB 880-126616/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126616/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-126616/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9221-1 MS	BS-01	Total/NA	Solid	5035	
890-9221-1 MSD	BS-01	Total/NA	Solid	5035	

Analysis Batch: 126690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9221-1	BS-01	Total/NA	Solid	Total BTEX	
890-9221-2	BS-02	Total/NA	Solid	Total BTEX	
890-9221-3	BS-03	Total/NA	Solid	Total BTEX	
890-9221-4	BS-04	Total/NA	Solid	Total BTEX	
890-9221-5	BS-05	Total/NA	Solid	Total BTEX	
890-9221-6	BS-06	Total/NA	Solid	Total BTEX	
890-9221-7	BS-07	Total/NA	Solid	Total BTEX	
890-9221-8	BS-08	Total/NA	Solid	Total BTEX	
890-9221-9	BS-09	Total/NA	Solid	Total BTEX	
890-9221-10	BS-10	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9221-1
SDG: Lea County NM

GC Semi VOA

Prep Batch: 126579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9221-1	BS-01	Total/NA	Solid	8015NM Prep	
890-9221-2	BS-02	Total/NA	Solid	8015NM Prep	
890-9221-3	BS-03	Total/NA	Solid	8015NM Prep	
890-9221-4	BS-04	Total/NA	Solid	8015NM Prep	
890-9221-5	BS-05	Total/NA	Solid	8015NM Prep	
890-9221-6	BS-06	Total/NA	Solid	8015NM Prep	
890-9221-7	BS-07	Total/NA	Solid	8015NM Prep	
890-9221-8	BS-08	Total/NA	Solid	8015NM Prep	
890-9221-9	BS-09	Total/NA	Solid	8015NM Prep	
890-9221-10	BS-10	Total/NA	Solid	8015NM Prep	
MB 880-126579/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126579/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126579/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9221-1 MS	BS-01	Total/NA	Solid	8015NM Prep	
890-9221-1 MSD	BS-01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 126598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9221-1	BS-01	Total/NA	Solid	8015B NM	126579
890-9221-2	BS-02	Total/NA	Solid	8015B NM	126579
890-9221-3	BS-03	Total/NA	Solid	8015B NM	126579
890-9221-4	BS-04	Total/NA	Solid	8015B NM	126579
890-9221-5	BS-05	Total/NA	Solid	8015B NM	126579
890-9221-6	BS-06	Total/NA	Solid	8015B NM	126579
890-9221-7	BS-07	Total/NA	Solid	8015B NM	126579
890-9221-8	BS-08	Total/NA	Solid	8015B NM	126579
890-9221-9	BS-09	Total/NA	Solid	8015B NM	126579
890-9221-10	BS-10	Total/NA	Solid	8015B NM	126579
MB 880-126579/1-A	Method Blank	Total/NA	Solid	8015B NM	126579
LCS 880-126579/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126579
LCSD 880-126579/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126579
890-9221-1 MS	BS-01	Total/NA	Solid	8015B NM	126579
890-9221-1 MSD	BS-01	Total/NA	Solid	8015B NM	126579

Analysis Batch: 126668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9221-1	BS-01	Total/NA	Solid	8015 NM	
890-9221-2	BS-02	Total/NA	Solid	8015 NM	
890-9221-3	BS-03	Total/NA	Solid	8015 NM	
890-9221-4	BS-04	Total/NA	Solid	8015 NM	
890-9221-5	BS-05	Total/NA	Solid	8015 NM	
890-9221-6	BS-06	Total/NA	Solid	8015 NM	
890-9221-7	BS-07	Total/NA	Solid	8015 NM	
890-9221-8	BS-08	Total/NA	Solid	8015 NM	
890-9221-9	BS-09	Total/NA	Solid	8015 NM	
890-9221-10	BS-10	Total/NA	Solid	8015 NM	

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9221-1
SDG: Lea County NM

HPLC/IC

Leach Batch: 126589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9221-1	BS-01	Soluble	Solid	DI Leach	
890-9221-2	BS-02	Soluble	Solid	DI Leach	
890-9221-3	BS-03	Soluble	Solid	DI Leach	
890-9221-4	BS-04	Soluble	Solid	DI Leach	
890-9221-5	BS-05	Soluble	Solid	DI Leach	
890-9221-6	BS-06	Soluble	Solid	DI Leach	
890-9221-7	BS-07	Soluble	Solid	DI Leach	
890-9221-8	BS-08	Soluble	Solid	DI Leach	
890-9221-9	BS-09	Soluble	Solid	DI Leach	
890-9221-10	BS-10	Soluble	Solid	DI Leach	
MB 880-126589/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-126589/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-126589/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9221-1 MS	BS-01	Soluble	Solid	DI Leach	
890-9221-1 MSD	BS-01	Soluble	Solid	DI Leach	

Analysis Batch: 126649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9221-1	BS-01	Soluble	Solid	300.0	126589
890-9221-2	BS-02	Soluble	Solid	300.0	126589
890-9221-3	BS-03	Soluble	Solid	300.0	126589
890-9221-4	BS-04	Soluble	Solid	300.0	126589
890-9221-5	BS-05	Soluble	Solid	300.0	126589
890-9221-6	BS-06	Soluble	Solid	300.0	126589
890-9221-7	BS-07	Soluble	Solid	300.0	126589
890-9221-8	BS-08	Soluble	Solid	300.0	126589
890-9221-9	BS-09	Soluble	Solid	300.0	126589
890-9221-10	BS-10	Soluble	Solid	300.0	126589
MB 880-126589/1-A	Method Blank	Soluble	Solid	300.0	126589
LCS 880-126589/2-A	Lab Control Sample	Soluble	Solid	300.0	126589
LCSD 880-126589/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	126589
890-9221-1 MS	BS-01	Soluble	Solid	300.0	126589
890-9221-1 MSD	BS-01	Soluble	Solid	300.0	126589

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9221-1
SDG: Lea County NM

Client Sample ID: BS-01
Date Collected: 12/02/25 08:00
Date Received: 12/11/25 16:42

Lab Sample ID: 890-9221-1
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			5.01 g	5 mL	126616	12/13/25 08:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 14:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126690	12/14/25 14:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			126668	12/14/25 20:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126579	12/12/25 16:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126598	12/14/25 20:53	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	126589	12/12/25 17:21	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126649	12/15/25 09:11	CS	EET MID

Client Sample ID: BS-02
Date Collected: 12/02/25 08:05
Date Received: 12/11/25 16:42

Lab Sample ID: 890-9221-2
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			4.98 g	5 mL	126616	12/13/25 08:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 14:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126690	12/14/25 14:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			126668	12/14/25 21:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126579	12/12/25 16:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126598	12/14/25 21:35	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	126589	12/12/25 17:21	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126649	12/15/25 09:39	CS	EET MID

Client Sample ID: BS-03
Date Collected: 12/02/25 08:10
Date Received: 12/11/25 16:42

Lab Sample ID: 890-9221-3
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			5.03 g	5 mL	126616	12/13/25 08:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 15:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126690	12/14/25 15:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			126668	12/14/25 21:50	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	126579	12/12/25 16:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126598	12/14/25 21:50	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	126589	12/12/25 17:21	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126649	12/15/25 09:46	CS	EET MID

Client Sample ID: BS-04
Date Collected: 12/02/25 08:15
Date Received: 12/11/25 16:42

Lab Sample ID: 890-9221-4
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			5.05 g	5 mL	126616	12/13/25 08:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 15:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126690	12/14/25 15:38	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9221-1
SDG: Lea County NM

Client Sample ID: BS-04
Date Collected: 12/02/25 08:15
Date Received: 12/11/25 16:42

Lab Sample ID: 890-9221-4
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			126668	12/14/25 22:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126579	12/12/25 16:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126598	12/14/25 22:04	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	126589	12/12/25 17:21	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126649	12/15/25 09:53	CS	EET MID

Client Sample ID: BS-05
Date Collected: 12/02/25 08:20
Date Received: 12/11/25 16:42

Lab Sample ID: 890-9221-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	126616	12/13/25 08:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 15:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126690	12/14/25 15:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			126668	12/14/25 22:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126579	12/12/25 16:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126598	12/14/25 22:17	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	126589	12/12/25 17:21	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126649	12/15/25 09:59	CS	EET MID

Client Sample ID: BS-06
Date Collected: 12/02/25 08:25
Date Received: 12/11/25 16:42

Lab Sample ID: 890-9221-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	126616	12/13/25 08:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 16:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126690	12/14/25 16:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			126668	12/14/25 22:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126579	12/12/25 16:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126598	12/14/25 22:32	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	126589	12/12/25 17:21	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126649	12/15/25 10:20	CS	EET MID

Client Sample ID: BS-07
Date Collected: 12/02/25 08:30
Date Received: 12/11/25 16:42

Lab Sample ID: 890-9221-7
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			4.95 g	5 mL	126616	12/13/25 08:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 16:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126690	12/14/25 16:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			126668	12/14/25 22:45	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126579	12/12/25 16:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126598	12/14/25 22:45	FC	EET MID

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9221-1
SDG: Lea County NM

Client Sample ID: BS-07
Date Collected: 12/02/25 08:30
Date Received: 12/11/25 16:42

Lab Sample ID: 890-9221-7
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			4.97 g	50 mL	126589	12/12/25 17:21	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126649	12/15/25 10:28	CS	EET MID

Client Sample ID: BS-08
Date Collected: 12/02/25 08:35
Date Received: 12/11/25 16:42

Lab Sample ID: 890-9221-8
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			5.03 g	5 mL	126616	12/13/25 08:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 17:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126690	12/14/25 17:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			126668	12/14/25 23:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126579	12/12/25 16:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126598	12/14/25 23:00	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	126589	12/12/25 17:21	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126649	12/15/25 10:43	CS	EET MID

Client Sample ID: BS-09
Date Collected: 12/02/25 08:40
Date Received: 12/11/25 16:42

Lab Sample ID: 890-9221-9
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			5.05 g	5 mL	126616	12/13/25 08:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 17:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126690	12/14/25 17:21	SA	EET MID
Total/NA	Analysis	8015 NM		1			126668	12/14/25 23:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126579	12/12/25 16:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126598	12/14/25 23:14	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	126589	12/12/25 17:21	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126649	12/15/25 10:36	CS	EET MID

Client Sample ID: BS-10
Date Collected: 12/02/25 08:45
Date Received: 12/11/25 16:42

Lab Sample ID: 890-9221-10
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			5.01 g	5 mL	126616	12/13/25 08:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 17:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126690	12/14/25 17:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			126668	12/14/25 23:28	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	126579	12/12/25 16:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126598	12/14/25 23:28	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	126589	12/12/25 17:21	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126649	12/15/25 10:50	CS	EET MID

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9221-1
SDG: Lea County NM

Laboratory References:

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

Accreditation/Certification Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9221-1
SDG: Lea 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	06-30-26

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: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9221-1
SDG: Lea 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: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9221-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
890-9221-1	BS-01	Solid	12/02/25 08:00	12/11/25 16:42	New Mexico
890-9221-2	BS-02	Solid	12/02/25 08:05	12/11/25 16:42	New Mexico
890-9221-3	BS-03	Solid	12/02/25 08:10	12/11/25 16:42	New Mexico
890-9221-4	BS-04	Solid	12/02/25 08:15	12/11/25 16:42	New Mexico
890-9221-5	BS-05	Solid	12/02/25 08:20	12/11/25 16:42	New Mexico
890-9221-6	BS-06	Solid	12/02/25 08:25	12/11/25 16:42	New Mexico
890-9221-7	BS-07	Solid	12/02/25 08:30	12/11/25 16:42	New Mexico
890-9221-8	BS-08	Solid	12/02/25 08:35	12/11/25 16:42	New Mexico
890-9221-9	BS-09	Solid	12/02/25 08:40	12/11/25 16:42	New Mexico
890-9221-10	BS-10	Solid	12/02/25 08:45	12/11/25 16:42	New Mexico

Released to Imaging: 5/6/2026 10:32:00 AM
Received by OCD: 4/9/2026 12:41:38 PM

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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

V 890-9221 Chain of Custody

www.xenco.com Page 1 of 1

Project Manager:	Dimitry Nikanorov	Bill to: (if different)	
Company Name:	McNabb Partners	Company Name:	
Address:	5014 W Carlsbad Hwy	Address:	
City, State ZIP:	Hobbs, NM 882240	City, State ZIP:	
Phone:	Dimitry Nikanorov	Email:	

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:	MorningStar Casa State 001	Turn Around	☐ Routine ☑ Rush
Project Number:		Due Date:	~~24 48 hr~~ 4 H
Project Location:	Lea County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Dimitry Nikanorov		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TMMC7
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.6
Total Containers:		Corrected Temperature:	5.4

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX (8021B)	TPH (8015M GRO+DRO+ORO)	Chloride (EPA 300.0)	Sample Comments
BS-01	5'	12/2/2025	8:00	X		Comp	1		X	X	X	
BS-02	5'	12/2/2025	8:05	X		Comp	1		X	X	X	
BS-03	5'	12/2/2025	8:10	X		Comp	1		X	X	X	
BS-04	5'	12/2/2025	8:15	X		Comp	1		X	X	X	
BS-05	5'	12/2/2025	8:20	X		Comp	1		X	X	X	
BS-06	5'	12/2/2025	8:25	X		Comp	1		X	X	X	
BS-07	5'	12/2/2025	8:30	X		Comp	1		X	X	X	
BS-08	5'	12/2/2025	8:35	X		Comp	1		X	X	X	
BS-09	5'	12/2/2025	8:40	X		Comp	1		X	X	X	
BS-10	5'	12/2/2025	8:45	X		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 SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 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
1		12-11 16:48	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: McNabb Partners

Job Number: 890-9221-1
SDG Number: Lea County NM

Login Number: 9221
List Number: 1
Creator: Lopez, Abraham

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: McNabb Partners

Job Number: 890-9221-1
SDG Number: Lea County NM

Login Number: 9221
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 12/15/25 08:34 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	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Dimitry Nikanorov
McNabb Partners
5014 W Carlsbad Hwy
Hobbs, New Mexico 88240
Generated 12/15/2025 2:53:48 PM

JOB DESCRIPTION

MorningStar Casa State 001
Lea County NM

JOB NUMBER

890-9222-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 5/6/2026 10:32:00 AM

my EOL

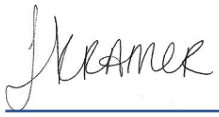
Eurofins Carlsbad

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



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12/15/2025 2:53:48 PM

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

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Laboratory Job ID: 890-9222-1
SDG: Lea County NM

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Definitions/Glossary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9222-1
SDG: Lea 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: McNabb Partners
Project: MorningStar Casa State 001

Job ID: 890-9222-1

Job ID: 890-9222-1 Eurofins Carlsbad

Job Narrative
890-9222-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 12/11/2025 4:42 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 5.4°C.

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-126456, 880-126611 and 880-126616 and analytical batch 880-126594 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: WS-06 (890-9222-2), WS-08 (890-9222-4), WS-09 (890-9222-5), WS-11 (890-9222-7), WS-12 (890-9222-8), WS-13 (890-9222-9), (890-9221-A-1-G MS) and (890-9221-A-1-H 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: Surrogate recovery for the following sample was outside control limits: WS-12 (890-9222-8). Evidence of matrix interferences is not obvious.

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

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

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9222-1
SDG: Lea County NM

Client Sample ID: WS-05

Lab Sample ID: 890-9222-1
Matrix: Solid
Date Collected: 12/02/25 15:30
Date Received: 12/11/25 16:42

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		12/13/25 08:31	12/14/25 19:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:31	12/14/25 19:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:31	12/14/25 19:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/13/25 08:31	12/14/25 19:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:31	12/14/25 19:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/13/25 08:31	12/14/25 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*12/13/25 08:31*	*12/14/25 19:31*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*12/13/25 08:31*	*12/14/25 19:31*	*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			12/14/25 19:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/14/25 23:56	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	<49.9	U	49.9		mg/Kg		12/12/25 16:27	12/14/25 23:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/12/25 16:27	12/14/25 23:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/12/25 16:27	12/14/25 23:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*12/12/25 16:27*	*12/14/25 23:56*	*1*
o-Terphenyl	*120*		*70 - 130*	*12/12/25 16:27*	*12/14/25 23:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**130**		9.94		mg/Kg			12/15/25 10:57	1

Client Sample ID: WS-06

Lab Sample ID: 890-9222-2
Matrix: Solid
Date Collected: 12/02/25 15:35
Date Received: 12/11/25 16:42

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		12/13/25 08:31	12/14/25 19:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:31	12/14/25 19:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:31	12/14/25 19:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/13/25 08:31	12/14/25 19:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:31	12/14/25 19:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/13/25 08:31	12/14/25 19:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*12/13/25 08:31*	*12/14/25 19:52*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*12/13/25 08:31*	*12/14/25 19:52*	*1*

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9222-1
SDG: Lea County NM

Client Sample ID: WS-06

Lab Sample ID: 890-9222-2
Matrix: Solid
Date Collected: 12/02/25 15:35
Date Received: 12/11/25 16:42

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			12/14/25 19:52	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			12/15/25 00:10	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	<50.0	U	50.0		mg/Kg		12/12/25 16:27	12/15/25 00:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/25 16:27	12/15/25 00:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/25 16:27	12/15/25 00:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*12/12/25 16:27*	*12/15/25 00:10*	*1*
o-Terphenyl	*128*		*70 - 130*	*12/12/25 16:27*	*12/15/25 00:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**123**		10.1		mg/Kg			12/15/25 11:18	1

Client Sample ID: WS-07

Lab Sample ID: 890-9222-3
Matrix: Solid
Date Collected: 12/02/25 15:40
Date Received: 12/11/25 16:42

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		12/13/25 08:31	12/14/25 20:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:31	12/14/25 20:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:31	12/14/25 20:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/13/25 08:31	12/14/25 20:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:31	12/14/25 20:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/13/25 08:31	12/14/25 20:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*12/13/25 08:31*	*12/14/25 20:12*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*12/13/25 08:31*	*12/14/25 20:12*	*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			12/14/25 20:12	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			12/15/25 00:24	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	<49.8	U	49.8		mg/Kg		12/12/25 16:27	12/15/25 00:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/12/25 16:27	12/15/25 00:24	1

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9222-1
SDG: Lea County NM

Client Sample ID: WS-07

Lab Sample ID: 890-9222-3
Matrix: Solid
Date Collected: 12/02/25 15:40
Date Received: 12/11/25 16:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/12/25 16:27	12/15/25 00:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*12/12/25 16:27*	*12/15/25 00:24*	*1*
o-Terphenyl	*120*		*70 - 130*	*12/12/25 16:27*	*12/15/25 00:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**122**		10.1		mg/Kg			12/15/25 11:25	1

Client Sample ID: WS-08

Lab Sample ID: 890-9222-4
Matrix: Solid
Date Collected: 12/02/25 15:45
Date Received: 12/11/25 16:42

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		12/13/25 08:31	12/14/25 20:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/13/25 08:31	12/14/25 20:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/13/25 08:31	12/14/25 20:33	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/13/25 08:31	12/14/25 20:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/13/25 08:31	12/14/25 20:33	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/13/25 08:31	12/14/25 20:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*12/13/25 08:31*	*12/14/25 20:33*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*12/13/25 08:31*	*12/14/25 20:33*	*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			12/14/25 20:33	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			12/15/25 00:38	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	<49.9	U	49.9		mg/Kg		12/12/25 16:27	12/15/25 00:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/12/25 16:27	12/15/25 00:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/12/25 16:27	12/15/25 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*12/12/25 16:27*	*12/15/25 00:38*	*1*
o-Terphenyl	*125*		*70 - 130*	*12/12/25 16:27*	*12/15/25 00:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**60.9**		10.1		mg/Kg			12/15/25 11:46	1

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9222-1
SDG: Lea County NM

Client Sample ID: WS-09

Lab Sample ID: 890-9222-5
Matrix: Solid
Date Collected: 12/02/25 15:50
Date Received: 12/11/25 16:42

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		12/13/25 08:31	12/14/25 20:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:31	12/14/25 20:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:31	12/14/25 20:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/13/25 08:31	12/14/25 20:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:31	12/14/25 20:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/13/25 08:31	12/14/25 20:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*151*	*S1+*	*70 - 130*	*12/13/25 08:31*	*12/14/25 20:53*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*12/13/25 08:31*	*12/14/25 20:53*	*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			12/14/25 20:53	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			12/15/25 00:52	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		12/12/25 16:27	12/15/25 00:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/25 16:27	12/15/25 00:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/25 16:27	12/15/25 00:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*12/12/25 16:27*	*12/15/25 00:52*	*1*
o-Terphenyl	*117*		*70 - 130*	*12/12/25 16:27*	*12/15/25 00:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**194**		9.96		mg/Kg			12/15/25 11:53	1

Client Sample ID: WS-10

Lab Sample ID: 890-9222-6
Matrix: Solid
Date Collected: 12/02/25 15:55
Date Received: 12/11/25 16:42

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		12/13/25 08:31	12/14/25 21:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:31	12/14/25 21:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:31	12/14/25 21:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/13/25 08:31	12/14/25 21:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:31	12/14/25 21:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/13/25 08:31	12/14/25 21:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*12/13/25 08:31*	*12/14/25 21:14*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*12/13/25 08:31*	*12/14/25 21:14*	*1*

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9222-1
SDG: Lea County NM

Client Sample ID: WS-10

Lab Sample ID: 890-9222-6
Matrix: Solid
Date Collected: 12/02/25 15:55
Date Received: 12/11/25 16:42

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			12/14/25 21:14	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			12/15/25 01:06	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		12/12/25 16:27	12/15/25 01:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/12/25 16:27	12/15/25 01:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/12/25 16:27	12/15/25 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*12/12/25 16:27*	*12/15/25 01:06*	*1*
o-Terphenyl	*130*		*70 - 130*	*12/12/25 16:27*	*12/15/25 01:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**146**		10.1		mg/Kg			12/15/25 12:00	1

Client Sample ID: WS-11

Lab Sample ID: 890-9222-7
Matrix: Solid
Date Collected: 12/02/25 16:00
Date Received: 12/11/25 16:42

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		12/13/25 08:31	12/14/25 21:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:31	12/14/25 21:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:31	12/14/25 21:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/13/25 08:31	12/14/25 21:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:31	12/14/25 21:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/13/25 08:31	12/14/25 21:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*145*	*S1+*	*70 - 130*	*12/13/25 08:31*	*12/14/25 21:34*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*12/13/25 08:31*	*12/14/25 21:34*	*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			12/14/25 21:34	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			12/15/25 01:21	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		12/12/25 16:27	12/15/25 01:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/25 16:27	12/15/25 01:21	1

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9222-1
SDG: Lea County NM

Client Sample ID: WS-11

Lab Sample ID: 890-9222-7
Matrix: Solid
Date Collected: 12/02/25 16:00
Date Received: 12/11/25 16:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/25 16:27	12/15/25 01:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*12/12/25 16:27*	*12/15/25 01:21*	*1*
o-Terphenyl	*122*		*70 - 130*	*12/12/25 16:27*	*12/15/25 01:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**108**		10.1		mg/Kg			12/15/25 12:07	1

Client Sample ID: WS-12

Lab Sample ID: 890-9222-8
Matrix: Solid
Date Collected: 12/02/25 16:05
Date Received: 12/11/25 16:42

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		12/13/25 08:31	12/14/25 21:55	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:31	12/14/25 21:55	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:31	12/14/25 21:55	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/13/25 08:31	12/14/25 21:55	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:31	12/14/25 21:55	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/13/25 08:31	12/14/25 21:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*	*12/13/25 08:31*	*12/14/25 21:55*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*12/13/25 08:31*	*12/14/25 21:55*	*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			12/14/25 21:55	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			12/15/25 01:35	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		12/12/25 16:27	12/15/25 01:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/12/25 16:27	12/15/25 01:35	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/12/25 16:27	12/15/25 01:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*12/12/25 16:27*	*12/15/25 01:35*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*12/12/25 16:27*	*12/15/25 01:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**165**		10.0		mg/Kg			12/15/25 12:14	1

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9222-1
SDG: Lea County NM

Client Sample ID: WS-13

Lab Sample ID: 890-9222-9
Matrix: Solid
Date Collected: 12/02/25 16:10
Date Received: 12/11/25 16:42

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		12/13/25 08:31	12/14/25 22:15	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/13/25 08:31	12/14/25 22:15	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/13/25 08:31	12/14/25 22:15	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/13/25 08:31	12/14/25 22:15	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/13/25 08:31	12/14/25 22:15	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/13/25 08:31	12/14/25 22:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*12/13/25 08:31*	*12/14/25 22:15*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*12/13/25 08:31*	*12/14/25 22:15*	*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			12/14/25 22:15	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			12/15/25 01:48	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		12/12/25 16:27	12/15/25 01:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/25 16:27	12/15/25 01:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/25 16:27	12/15/25 01:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*12/12/25 16:27*	*12/15/25 01:48*	*1*
o-Terphenyl	*124*		*70 - 130*	*12/12/25 16:27*	*12/15/25 01:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**78.2**		10.0		mg/Kg			12/15/25 12:21	1

Client Sample ID: WS-14

Lab Sample ID: 890-9222-10
Matrix: Solid
Date Collected: 12/02/25 16:15
Date Received: 12/11/25 16:42

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		12/13/25 08:31	12/14/25 22:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:31	12/14/25 22:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:31	12/14/25 22:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/13/25 08:31	12/14/25 22:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:31	12/14/25 22:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/13/25 08:31	12/14/25 22:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*12/13/25 08:31*	*12/14/25 22:36*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*12/13/25 08:31*	*12/14/25 22:36*	*1*

Client Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9222-1
SDG: Lea County NM

Client Sample ID: WS-14

Date Collected: 12/02/25 16:15
Date Received: 12/11/25 16:42

Lab Sample ID: 890-9222-10

Matrix: Solid

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			12/14/25 22:36	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			12/15/25 02:03	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	<50.1	U	50.1		mg/Kg		12/12/25 16:27	12/15/25 02:03	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/12/25 16:27	12/15/25 02:03	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/12/25 16:27	12/15/25 02:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*12/12/25 16:27*	*12/15/25 02:03*	*1*
o-Terphenyl	*124*		*70 - 130*	*12/12/25 16:27*	*12/15/25 02:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**122**		9.90		mg/Kg			12/15/25 12:28	1

Surrogate Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9222-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-9222-1	WS-05	110	104
890-9222-2	WS-06	134 S1+	117
890-9222-3	WS-07	126	112
890-9222-4	WS-08	140 S1+	115
890-9222-5	WS-09	151 S1+	120
890-9222-6	WS-10	130	112
890-9222-7	WS-11	145 S1+	117
890-9222-8	WS-12	143 S1+	115
890-9222-9	WS-13	139 S1+	120
890-9222-10	WS-14	130	113
LCS 880-126616/1-A	Lab Control Sample	106	96
LCSD 880-126616/2-A	Lab Control Sample Dup	105	98
MB 880-126611/5-A	Method Blank	186 S1+	110
MB 880-126616/5-A	Method Blank	195 S1+	119

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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-9222-1	WS-05	108	120
890-9222-2	WS-06	115	128
890-9222-3	WS-07	109	120
890-9222-4	WS-08	118	125
890-9222-5	WS-09	107	117
890-9222-6	WS-10	115	130
890-9222-7	WS-11	114	122
890-9222-8	WS-12	124	133 S1+
890-9222-9	WS-13	114	124
890-9222-10	WS-14	115	124
LCS 880-126579/2-A	Lab Control Sample	130	117
LCSD 880-126579/3-A	Lab Control Sample Dup	128	119
MB 880-126579/1-A	Method Blank	110	114

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9222-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-126611/5-A
Matrix: Solid
Analysis Batch: 126594

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126611

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:26	12/14/25 02:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:26	12/14/25 02:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:26	12/14/25 02:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/13/25 08:26	12/14/25 02:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:26	12/14/25 02:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/13/25 08:26	12/14/25 02:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*186*	*S1+*	*70 - 130*	*12/13/25 08:26*	*12/14/25 02:31*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*12/13/25 08:26*	*12/14/25 02:31*	*1*

Lab Sample ID: MB 880-126616/5-A
Matrix: Solid
Analysis Batch: 126594

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126616

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:31	12/14/25 14:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:31	12/14/25 14:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:31	12/14/25 14:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/13/25 08:31	12/14/25 14:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:31	12/14/25 14:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/13/25 08:31	12/14/25 14:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*195*	*S1+*	*70 - 130*	*12/13/25 08:31*	*12/14/25 14:08*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*12/13/25 08:31*	*12/14/25 14:08*	*1*

Lab Sample ID: LCS 880-126616/1-A
Matrix: Solid
Analysis Batch: 126594

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126616

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09697		mg/Kg		97	70 - 130
Toluene	0.100	0.09339		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09731		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.1863		mg/Kg		93	70 - 130
o-Xylene	0.100	0.1019		mg/Kg		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-126616/2-A
Matrix: Solid
Analysis Batch: 126594

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126616

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09363		mg/Kg		94	70 - 130	4	35

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9222-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-126616/2-A
Matrix: Solid
Analysis Batch: 126594

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126616

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09668		mg/Kg		97	70 - 130	3	35
Ethylbenzene			0.100	0.09101		mg/Kg		91	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.1732		mg/Kg		87	70 - 130	7	35
o-Xylene			0.100	0.09460		mg/Kg		95	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

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

Lab Sample ID: MB 880-126579/1-A
Matrix: Solid
Analysis Batch: 126598

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126579

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		12/12/25 16:26	12/14/25 19:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/25 16:26	12/14/25 19:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/25 16:26	12/14/25 19:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*12/12/25 16:26*	*12/14/25 19:16*	*1*
o-Terphenyl	*114*		*70 - 130*	*12/12/25 16:26*	*12/14/25 19:16*	*1*

Lab Sample ID: LCS 880-126579/2-A
Matrix: Solid
Analysis Batch: 126598

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126579

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	896.3		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)			1000	1070		mg/Kg		107	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*130*		*70 - 130*
o-Terphenyl	*117*		*70 - 130*

Lab Sample ID: LCSD 880-126579/3-A
Matrix: Solid
Analysis Batch: 126598

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126579

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	872.2		mg/Kg		87	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1068		mg/Kg		107	70 - 130	0	20

Eurofins Carlsbad

QC Sample Results

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9222-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-126579/3-A
Matrix: Solid
Analysis Batch: 126598

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126579

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	128		70 - 130
o-Terphenyl	119		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-126589/1-A
Matrix: Solid
Analysis Batch: 126649

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			12/15/25 09:18	1

Lab Sample ID: LCS 880-126589/2-A
Matrix: Solid
Analysis Batch: 126649

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	267.2		mg/Kg		107	90 - 110		

Lab Sample ID: LCSD 880-126589/3-A
Matrix: Solid
Analysis Batch: 126649

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	262.5		mg/Kg		105	90 - 110	2	20

Lab Sample ID: 890-9222-1 MS
Matrix: Solid
Analysis Batch: 126649

Client Sample ID: WS-05
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	130		249	380.7		mg/Kg		101	90 - 110		

Lab Sample ID: 890-9222-1 MSD
Matrix: Solid
Analysis Batch: 126649

Client Sample ID: WS-05
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	130		249	389.7		mg/Kg		104	90 - 110	2	20

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9222-1
SDG: Lea County NM

GC VOA

Analysis Batch: 126594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9222-1	WS-05	Total/NA	Solid	8021B	126616
890-9222-2	WS-06	Total/NA	Solid	8021B	126616
890-9222-3	WS-07	Total/NA	Solid	8021B	126616
890-9222-4	WS-08	Total/NA	Solid	8021B	126616
890-9222-5	WS-09	Total/NA	Solid	8021B	126616
890-9222-6	WS-10	Total/NA	Solid	8021B	126616
890-9222-7	WS-11	Total/NA	Solid	8021B	126616
890-9222-8	WS-12	Total/NA	Solid	8021B	126616
890-9222-9	WS-13	Total/NA	Solid	8021B	126616
890-9222-10	WS-14	Total/NA	Solid	8021B	126616
MB 880-126611/5-A	Method Blank	Total/NA	Solid	8021B	126611
MB 880-126616/5-A	Method Blank	Total/NA	Solid	8021B	126616
LCS 880-126616/1-A	Lab Control Sample	Total/NA	Solid	8021B	126616
LCSD 880-126616/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126616

Prep Batch: 126611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-126611/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 126616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9222-1	WS-05	Total/NA	Solid	5035	
890-9222-2	WS-06	Total/NA	Solid	5035	
890-9222-3	WS-07	Total/NA	Solid	5035	
890-9222-4	WS-08	Total/NA	Solid	5035	
890-9222-5	WS-09	Total/NA	Solid	5035	
890-9222-6	WS-10	Total/NA	Solid	5035	
890-9222-7	WS-11	Total/NA	Solid	5035	
890-9222-8	WS-12	Total/NA	Solid	5035	
890-9222-9	WS-13	Total/NA	Solid	5035	
890-9222-10	WS-14	Total/NA	Solid	5035	
MB 880-126616/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126616/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-126616/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 126691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9222-1	WS-05	Total/NA	Solid	Total BTEX	
890-9222-2	WS-06	Total/NA	Solid	Total BTEX	
890-9222-3	WS-07	Total/NA	Solid	Total BTEX	
890-9222-4	WS-08	Total/NA	Solid	Total BTEX	
890-9222-5	WS-09	Total/NA	Solid	Total BTEX	
890-9222-6	WS-10	Total/NA	Solid	Total BTEX	
890-9222-7	WS-11	Total/NA	Solid	Total BTEX	
890-9222-8	WS-12	Total/NA	Solid	Total BTEX	
890-9222-9	WS-13	Total/NA	Solid	Total BTEX	
890-9222-10	WS-14	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9222-1
SDG: Lea County NM

GC Semi VOA

Prep Batch: 126579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9222-1	WS-05	Total/NA	Solid	8015NM Prep	
890-9222-2	WS-06	Total/NA	Solid	8015NM Prep	
890-9222-3	WS-07	Total/NA	Solid	8015NM Prep	
890-9222-4	WS-08	Total/NA	Solid	8015NM Prep	
890-9222-5	WS-09	Total/NA	Solid	8015NM Prep	
890-9222-6	WS-10	Total/NA	Solid	8015NM Prep	
890-9222-7	WS-11	Total/NA	Solid	8015NM Prep	
890-9222-8	WS-12	Total/NA	Solid	8015NM Prep	
890-9222-9	WS-13	Total/NA	Solid	8015NM Prep	
890-9222-10	WS-14	Total/NA	Solid	8015NM Prep	
MB 880-126579/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126579/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126579/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 126598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9222-1	WS-05	Total/NA	Solid	8015B NM	126579
890-9222-2	WS-06	Total/NA	Solid	8015B NM	126579
890-9222-3	WS-07	Total/NA	Solid	8015B NM	126579
890-9222-4	WS-08	Total/NA	Solid	8015B NM	126579
890-9222-5	WS-09	Total/NA	Solid	8015B NM	126579
890-9222-6	WS-10	Total/NA	Solid	8015B NM	126579
890-9222-7	WS-11	Total/NA	Solid	8015B NM	126579
890-9222-8	WS-12	Total/NA	Solid	8015B NM	126579
890-9222-9	WS-13	Total/NA	Solid	8015B NM	126579
890-9222-10	WS-14	Total/NA	Solid	8015B NM	126579
MB 880-126579/1-A	Method Blank	Total/NA	Solid	8015B NM	126579
LCS 880-126579/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126579
LCSD 880-126579/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126579

Analysis Batch: 126669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9222-1	WS-05	Total/NA	Solid	8015 NM	
890-9222-2	WS-06	Total/NA	Solid	8015 NM	
890-9222-3	WS-07	Total/NA	Solid	8015 NM	
890-9222-4	WS-08	Total/NA	Solid	8015 NM	
890-9222-5	WS-09	Total/NA	Solid	8015 NM	
890-9222-6	WS-10	Total/NA	Solid	8015 NM	
890-9222-7	WS-11	Total/NA	Solid	8015 NM	
890-9222-8	WS-12	Total/NA	Solid	8015 NM	
890-9222-9	WS-13	Total/NA	Solid	8015 NM	
890-9222-10	WS-14	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 126589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9222-1	WS-05	Soluble	Solid	DI Leach	
890-9222-2	WS-06	Soluble	Solid	DI Leach	
890-9222-3	WS-07	Soluble	Solid	DI Leach	
890-9222-4	WS-08	Soluble	Solid	DI Leach	

QC Association Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9222-1
SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 126589 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9222-5	WS-09	Soluble	Solid	DI Leach	
890-9222-6	WS-10	Soluble	Solid	DI Leach	
890-9222-7	WS-11	Soluble	Solid	DI Leach	
890-9222-8	WS-12	Soluble	Solid	DI Leach	
890-9222-9	WS-13	Soluble	Solid	DI Leach	
890-9222-10	WS-14	Soluble	Solid	DI Leach	
MB 880-126589/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-126589/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-126589/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9222-1 MS	WS-05	Soluble	Solid	DI Leach	
890-9222-1 MSD	WS-05	Soluble	Solid	DI Leach	

Analysis Batch: 126649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9222-1	WS-05	Soluble	Solid	300.0	126589
890-9222-2	WS-06	Soluble	Solid	300.0	126589
890-9222-3	WS-07	Soluble	Solid	300.0	126589
890-9222-4	WS-08	Soluble	Solid	300.0	126589
890-9222-5	WS-09	Soluble	Solid	300.0	126589
890-9222-6	WS-10	Soluble	Solid	300.0	126589
890-9222-7	WS-11	Soluble	Solid	300.0	126589
890-9222-8	WS-12	Soluble	Solid	300.0	126589
890-9222-9	WS-13	Soluble	Solid	300.0	126589
890-9222-10	WS-14	Soluble	Solid	300.0	126589
MB 880-126589/1-A	Method Blank	Soluble	Solid	300.0	126589
LCS 880-126589/2-A	Lab Control Sample	Soluble	Solid	300.0	126589
LCSD 880-126589/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	126589
890-9222-1 MS	WS-05	Soluble	Solid	300.0	126589
890-9222-1 MSD	WS-05	Soluble	Solid	300.0	126589

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9222-1
SDG: Lea County NM

Client Sample ID: WS-05

Date Collected: 12/02/25 15:30
Date Received: 12/11/25 16:42

Lab Sample ID: 890-9222-1

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	126616	12/13/25 08:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 19:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126691	12/14/25 19:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			126669	12/14/25 23:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126579	12/12/25 16:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126598	12/14/25 23:56	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	126589	12/12/25 17:21	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126649	12/15/25 10:57	CS	EET MID

Client Sample ID: WS-06

Date Collected: 12/02/25 15:35
Date Received: 12/11/25 16:42

Lab Sample ID: 890-9222-2

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			5.01 g	5 mL	126616	12/13/25 08:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 19:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126691	12/14/25 19:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			126669	12/15/25 00:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126579	12/12/25 16:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126598	12/15/25 00:10	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	126589	12/12/25 17:21	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126649	12/15/25 11:18	CS	EET MID

Client Sample ID: WS-07

Date Collected: 12/02/25 15:40
Date Received: 12/11/25 16:42

Lab Sample ID: 890-9222-3

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			4.98 g	5 mL	126616	12/13/25 08:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 20:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126691	12/14/25 20:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			126669	12/15/25 00:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126579	12/12/25 16:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126598	12/15/25 00:24	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	126589	12/12/25 17:21	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126649	12/15/25 11:25	CS	EET MID

Client Sample ID: WS-08

Date Collected: 12/02/25 15:45
Date Received: 12/11/25 16:42

Lab Sample ID: 890-9222-4

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			4.95 g	5 mL	126616	12/13/25 08:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 20:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126691	12/14/25 20:33	SA	EET MID

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9222-1
SDG: Lea County NM

Client Sample ID: WS-08
Date Collected: 12/02/25 15:45
Date Received: 12/11/25 16:42

Lab Sample ID: 890-9222-4
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			126669	12/15/25 00:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126579	12/12/25 16:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126598	12/15/25 00:38	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	126589	12/12/25 17:21	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126649	12/15/25 11:46	CS	EET MID

Client Sample ID: WS-09
Date Collected: 12/02/25 15:50
Date Received: 12/11/25 16:42

Lab Sample ID: 890-9222-5
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			5.03 g	5 mL	126616	12/13/25 08:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 20:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126691	12/14/25 20:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			126669	12/15/25 00:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126579	12/12/25 16:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126598	12/15/25 00:52	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	126589	12/12/25 17:21	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126649	12/15/25 11:53	CS	EET MID

Client Sample ID: WS-10
Date Collected: 12/02/25 15:55
Date Received: 12/11/25 16:42

Lab Sample ID: 890-9222-6
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			5.02 g	5 mL	126616	12/13/25 08:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 21:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126691	12/14/25 21:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			126669	12/15/25 01:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126579	12/12/25 16:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126598	12/15/25 01:06	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	126589	12/12/25 17:21	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126649	12/15/25 12:00	CS	EET MID

Client Sample ID: WS-11
Date Collected: 12/02/25 16:00
Date Received: 12/11/25 16:42

Lab Sample ID: 890-9222-7
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	126616	12/13/25 08:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 21:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126691	12/14/25 21:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			126669	12/15/25 01:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126579	12/12/25 16:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126598	12/15/25 01:21	FC	EET MID

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9222-1
SDG: Lea County NM

Client Sample ID: WS-11

Date Collected: 12/02/25 16:00
Date Received: 12/11/25 16:42

Lab Sample ID: 890-9222-7

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			4.97 g	50 mL	126589	12/12/25 17:21	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126649	12/15/25 12:07	CS	EET MID

Client Sample ID: WS-12

Date Collected: 12/02/25 16:05
Date Received: 12/11/25 16:42

Lab Sample ID: 890-9222-8

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			4.98 g	5 mL	126616	12/13/25 08:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 21:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126691	12/14/25 21:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			126669	12/15/25 01:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126579	12/12/25 16:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126598	12/15/25 01:35	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	126589	12/12/25 17:21	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126649	12/15/25 12:14	CS	EET MID

Client Sample ID: WS-13

Date Collected: 12/02/25 16:10
Date Received: 12/11/25 16:42

Lab Sample ID: 890-9222-9

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			4.96 g	5 mL	126616	12/13/25 08:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 22:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126691	12/14/25 22:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			126669	12/15/25 01:48	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126579	12/12/25 16:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126598	12/15/25 01:48	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	126589	12/12/25 17:21	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126649	12/15/25 12:21	CS	EET MID

Client Sample ID: WS-14

Date Collected: 12/02/25 16:15
Date Received: 12/11/25 16:42

Lab Sample ID: 890-9222-10

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			5.03 g	5 mL	126616	12/13/25 08:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 22:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126691	12/14/25 22:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			126669	12/15/25 02:03	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	126579	12/12/25 16:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126598	12/15/25 02:03	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	126589	12/12/25 17:21	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126649	12/15/25 12:28	CS	EET MID

Lab Chronicle

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9222-1
SDG: Lea County NM

Laboratory References:

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

Accreditation/Certification Summary

Client: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9222-1
SDG: Lea 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	06-30-26

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: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9222-1
SDG: Lea 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: McNabb Partners
Project/Site: MorningStar Casa State 001

Job ID: 890-9222-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
890-9222-1	WS-05	Solid	12/02/25 15:30	12/11/25 16:42	New Mexico
890-9222-2	WS-06	Solid	12/02/25 15:35	12/11/25 16:42	New Mexico
890-9222-3	WS-07	Solid	12/02/25 15:40	12/11/25 16:42	New Mexico
890-9222-4	WS-08	Solid	12/02/25 15:45	12/11/25 16:42	New Mexico
890-9222-5	WS-09	Solid	12/02/25 15:50	12/11/25 16:42	New Mexico
890-9222-6	WS-10	Solid	12/02/25 15:55	12/11/25 16:42	New Mexico
890-9222-7	WS-11	Solid	12/02/25 16:00	12/11/25 16:42	New Mexico
890-9222-8	WS-12	Solid	12/02/25 16:05	12/11/25 16:42	New Mexico
890-9222-9	WS-13	Solid	12/02/25 16:10	12/11/25 16:42	New Mexico
890-9222-10	WS-14	Solid	12/02/25 16:15	12/11/25 16:42	New Mexico

Released to Imaging: 5/6/2026 10:32:00 AM
Received by OCD: 4/9/2026 12:41:38 PM

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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

890-9222 Chain of Custody

Project Manager:	Dimitry Nikanorov	Bill to: (if different)	
Company Name:	McNabb Partners	Company Name:	
Address:	5014 W Carlsbad Hwy	Address:	
City, State ZIP:	Hobbs, NM 882240	City, State ZIP:	
Phone:	Dimitry Nikanorov	Email:	

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:	MorningStar Casa State 001	Turn Around	
Project Number:		☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date: ~~48 hrs~~ 24 hrs	
Sampler's Name:	Dimitry Nikanorov	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TM#6
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.6
Total Containers:		Corrected Temperature:	5.4

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX (8021B)	TPH (8015M GRO+DRO+ORO)	Chloride (EPA 300.0)	Sample Comments
WS-05	0-5'	12/2/2025	15:30	X		Comp	1		X	X	X	
WS-06	0-5'	12/2/2025	15:35	X		Comp	1		X	X	X	
WS-07	0-5'	12/2/2025	15:40	X		Comp	1		X	X	X	
WS-08	0-5'	12/2/2025	15:45	X		Comp	1		X	X	X	
WS-09	0-5'	12/2/2025	15:50	X		Comp	1		X	X	X	
WS-10	0-5'	12/2/2025	15:55	X		Comp	1		X	X	X	
WS-11	0-5'	12/2/2025	16:00	X		Comp	1		X	X	X	
WS-12	0-4'	12/2/2025	16:05	X		Comp	1		X	X	X	
WS-13	0-4'	12/2/2025	16:10	X		Comp	1		X	X	X	
WS-14	0-3'	12/2/2025	16:15	X		Comp	1		X	X	X	

Parameters

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 Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 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
1	DV	Brunt	12.11 1640			
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: McNabb Partners

Job Number: 890-9222-1
SDG Number: Lea County NM

Login Number: 9222
List Number: 1
Creator: Lopez, Abraham

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: McNabb Partners

Job Number: 890-9222-1
SDG Number: Lea County NM

Login Number: 9222
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 12/15/25 08:34 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	

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 26, 2025

DIMITRY NIKANOROV

MC NABB SERVICES

P. O. BOX 5753

HOBBS, NM 88240

RE: CASA STATE 1 & 2

Enclosed are the results of analyses for samples received by the laboratory on 08/20/25 14:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

MC NABB SERVICES
DIMITRY NIKANOROV
P. O. BOX 5753
HOBBS NM, 88240
Fax To: (575) 391-8484

Received:	08/20/2025	Sampling Date:	08/20/2025
Reported:	08/26/2025	Sampling Type:	Soil
Project Name:	CASA STATE 1 & 2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MORNING STAR - LEA CO NM		

Sample ID: TBG 0.5' (H255192-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2025	ND	1.70	85.1	2.00	8.51	
Toluene*	<0.050	0.050	08/21/2025	ND	1.84	91.9	2.00	6.92	
Ethylbenzene*	<0.050	0.050	08/21/2025	ND	1.88	93.9	2.00	6.06	
Total Xylenes*	<0.150	0.150	08/21/2025	ND	5.81	96.8	6.00	5.62	
Total BTEX	<0.300	0.300	08/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/21/2025	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2025	ND	191	95.4	200	3.56	
DRO >C10-C28*	<10.0	10.0	08/21/2025	ND	211	106	200	3.93	
EXT DRO >C28-C36	<10.0	10.0	08/21/2025	ND					

Surrogate: 1-Chlorooctane *85.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.7 %* *40.6-153*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

MC NABB SERVICES
DIMITRY NIKANOROV
P. O. BOX 5753
HOBBS NM, 88240
Fax To: (575) 391-8484

Received:	08/20/2025	Sampling Date:	08/20/2025
Reported:	08/26/2025	Sampling Type:	Soil
Project Name:	CASA STATE 1 & 2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MORNING STAR - LEA CO NM		

Sample ID: CBG 0.5' (H255192-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2025	ND	1.70	85.1	2.00	8.51	
Toluene*	<0.050	0.050	08/21/2025	ND	1.84	91.9	2.00	6.92	
Ethylbenzene*	<0.050	0.050	08/21/2025	ND	1.88	93.9	2.00	6.06	
Total Xylenes*	<0.150	0.150	08/21/2025	ND	5.81	96.8	6.00	5.62	
Total BTEX	<0.300	0.300	08/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/21/2025	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2025	ND	191	95.4	200	3.56	
DRO >C10-C28*	<10.0	10.0	08/21/2025	ND	211	106	200	3.93	
EXT DRO >C28-C36	<10.0	10.0	08/21/2025	ND					

Surrogate: 1-Chlorooctane *84.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *86.1 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	McNabb Partners	**BILL TO**	
Project Manager:	Dimitry Nikanorov	**P.O. #:**	
Address:	5014 W Carlsbad Hwy	**Company:**	Morning Star
City:	Hobbs **State:** NM **Zip:** 88240	**Attn:**	
Phone #:	**Fax #:**	**Address:**	
Project #:	**Project Owner:**	**City:**	
Project Name:	Casa State 1&2	**State:**	**Zip:**
Project Location:	Lea County, NM	**Phone #:**	
Sampler Name:	CT	**Fax #:**	

FOR LAB USE ONLY					MATRIX							PRESERV.			SAMPLING		ANALYSIS REQUEST											
Lab I.D.	**Sample I.D.**		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER *	ACID/BASE:	ICE / COOL	OTHER *	DATE	TIME	TPH	Chloride	BTEX										
H255140																												
1	TBG	0.5'	C	1			X					X		8/20/25	11:37	X	X	X										
2	CBG	0.5'	C	1			X					X		8/20/25	12:20	X	X	X										

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	**Date:** 8.20.2025 **Time:** 1425	**Received By:**	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
			All Results are emailed. Please provide Email address:
Relinquished By:	**Date:** **Time:**	**Received By:**	**REMARKS:**

Delivered By: (Circle One)	**Observed Temp. °C** 3.8	**Sample Condition** Cool: ☑ Yes ☐ No; Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)** AD	**Turnaround Time:** Standard ☒ Rush ☐
Sampler - UPS - Bus - Other:	**Corrected Temp. °C** 4.0			**Thermometer ID** #140 **Correction Factor** -0.6°C +0.3 AD

Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No; Intact: ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 4/9/2026 12:41:38 PM

Released to Imaging: 5/6/2026 10:32:00 AM

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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

Operator: MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	OGRID: 330132
	Action Number: 566969
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nPRS0522035374**
Incident Name	**NPRS0522035374 CASA STATE #001 @ 30-025-27944**
Incident Type	**Produced Water Release**
Incident Status	**Reclamation Report Received**
Incident Well	**[30-025-27944] CASA STATE #001**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	CASA STATE #001
Date Release Discovered	04/01/2005
Surface Owner	State

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: Equipment Failure | Water Tank | Produced Water | Released: 7 BBL | Recovered: 0 BBL | Lost: 7 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
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)	A historical incident on a location due for reclamation. A reclamation & excavation work plan has been approved by NMSLO- ECO.

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QUESTIONS (continued)

Operator: MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	OGRID: 330132
	Action Number: 566969
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
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.	

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: Samanntha Avarello Title: EHS Coordinator Email: savarello@txoenergy.com Date: 03/27/2026

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QUESTIONS (continued)

Operator: MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	OGRID: 330132
	Action Number: 566969
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization	
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.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (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 300 and 500 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 300 and 500 (ft.)
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 1 and 5 (mi.)
Any other fresh water well or spring	Between 500 and 1000 (ft.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 300 and 500 (ft.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
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.	
Requesting a remediation plan approval with this submission	Yes
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.	
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)	1600
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
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.	
On what estimated date will the remediation commence	09/08/2025
On what date will (or did) the final sampling or liner inspection occur	10/08/2025
On what date will (or was) the remediation complete(d)	11/08/2025
What is the estimated surface area (in square feet) that will be reclaimed	63000
What is the estimated volume (in cubic yards) that will be reclaimed	9333
What is the estimated surface area (in square feet) that will be remediated	16700
What is the estimated volume (in cubic yards) that will be remediated	2721
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.	
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.	

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QUESTIONS (continued)

Operator: MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	OGRID: 330132
	Action Number: 566969
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)	
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.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(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	fEEM0112342028 LEA LAND LANDFILL
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	No
OR is the **off-site** disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
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 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: Samanntha Avarello Title: EHS Coordinator Email: savarello@txoenergy.com Date: 03/27/2026
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.	

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QUESTIONS (continued)

Operator: MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	OGRID: 330132
	Action Number: 566969
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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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QUESTIONS (continued)

Operator: MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	OGRID: 330132
	Action Number: 566969
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**529334**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**12/02/2025**
What was the (estimated) number of samples that were to be gathered	**96**
What was the sampling surface area in square feet	**16700**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
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	15460
What was the total volume (cubic yards) remediated	3105
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	15460
What was the total volume (in cubic yards) reclaimed	3105
Summarize any additional remediation activities not included by answers (above)	the excavated area was backfilled with locally sourced caliche and topsoil material and then contoured to the original surrounding grade. Two composite soil samples were collected. Both samples met the most stringent closure criteria.

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 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: Samanntha Avarello Title: EHS Coordinator Email: savarello@txoenergy.com Date: 03/27/2026

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QUESTIONS (continued)

Operator: MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	OGRID: 330132
	Action Number: 566969
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	15460
What was the total volume of replacement material (in cubic yards) for this site	3105
Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	12/16/2025
Summarize any additional reclamation activities not included by answers (above)	Reclaimed area was seeded using a drill seeder with NMSLO-approved Coarse seed mixture
The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.	
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: Samanntha Avarello Title: EHS Coordinator Email: savarello@txoenergy.com Date: 04/02/2026

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QUESTIONS (continued)

Operator:	OGRID:
MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	330132
	Action Number: 566969
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.	
Requesting a restoration complete approval with this submission	No
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.	

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CONDITIONS

Operator: MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	OGRID: 330132
	Action Number: 566969
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your reclamation/remediation closure report for Incident #nPRS0522035374 CASA STATE #001, thank you. The reclamation/remediation closure report is approved.	5/6/2026