Earth Systems
Response & Restoration

April 27, 2026

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

RE: **Boomslang 14 CTB 1 - Closure Request Report Addendum**
Incident Number: nAPP2511542418
GPS: 32.22419°, -103.54053°
Lea County, New Mexico
ESRR Project No. VP-342

To Whom It May Concern:

Earth Systems Response & Restoration (ESRR), on behalf of Devon Energy (Devon), presents the following Closure Request Report Addendum (CRRA) to document No Further Action (NFA) is warranted for the inadvertent release of produced water at the Boomslang 14 CTB 1 (Site). Based on the recent soil sampling and previously completed remedial actions documented in the previously submitted Closure Request Report (CRR), Devon is requesting NFA at the Site until plugging and abandonment (P&A) or major facility reconstruction, whichever comes first.

This CRRA presents the additional data following the rejection of the previously submitted CRR for Incident Number nAPP2511542418. The CRR, submitted on November 20, 2025, was rejected by the New Mexico Oil Conservation Division (NMOCD) on January 28, 2026, for the following reason:

- *"Reasons for rejection: 1.Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC for samples collected on 05/12/2025. Failure to provide proper sampling notice is a compliance issue and the OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC. 2. Operator has not address fully delineating the integrity loss at the center of the lined containment. 3. Devon Energy has 90-days (April 28, 2026) to submit to OCD its appropriate or final remediation closure report."*

On October 13, 2025, Devon submitted a 48-hour business day Notification of Sampling (Form C-141N) for a sampling date of February 3, 2026, to address the NMOCD's reason No. 1 for rejection.

On February 3, 2026, ESRR conducted additional soil sampling activities to address the NMOCD's reason No. 2 for rejection. Eight delineation soil borings (HA-1 through HA-6, HA-11, and HA-12) were advanced via hand auger directly near the previously collected delineation soil sample locations in the previously submitted CRR with the addition of a delineation borehole at the "*center of the lined containment*". Delineation soil borings were advanced until refusal with the hand auger. Delineation activities were driven by field screening soil for chloride utilizing QuanTab® test strips and for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID). A minimum of one soil sample was collected from each delineation borehole, representing the highest observed field screening concentration and/or the greatest depth. Delineation soil samples were placed directly into lab-provided pre-cleaned jars, packed with minimal void space, labeled, and placed on ice. The delineation soil samples were transported under strict chain-of-custody procedures, to Eurofins in Carlsbad, New Mexico, for analysis of the COCs.

Laboratory analytical results for soil samples (HA-3, HA-5 through HA-7, HA-10 through HA-12) were compliant with the Site Closure Criteria and the reclamation standard, assisting with defining the horizontal periphery of the AOC.

Laboratory analytical results for delineation soil samples (HA-1 through HA-4, HA-8 and HA-9), collected within and around the AOC, indicated chloride was below the Closure Criteria but above the Site Closure the reclamation standard within the top 2 feet below ground surface (bgs). Elevated chloride is characterized by concentrations ranging from 719 to 4,380 mg/kg. Laboratory results are summarized in **Table 1**, included in the attachments. The locations of all delineation soil samples are shown in **Figure 2**. **Photographic Documentation** of all activities are attached.

Based on the recent laboratory analytical results in addition to the completed remedial actions and laboratory analytical results documented in the previously submitted CRR, Devon believes these actions meet the requirements set forth in NMAC 19.15.29.13 regulations in order to be protective of human health, the environment, and groundwater. Due to the active status of the well pad, the top 4 feet of the AOC is not ready to undergo complete reclamation in which the primary purpose is to reestablish vegetation. With depth to groundwater estimated to be greater than 100 feet bgs, and no sensitive receptors within the established buffers in NMAC 19.15.29.12, Devon believes residual chloride concentrations within the AOC, exceeding the reclamation standard but below the Site Closure Criteria, meet the requirements set forth in NMAC 19.15.29.13 regulations and is equally protective of human health, the environment, and groundwater.

Devon will reassess the Site during Plugging and Abandonment (P&A) activities and/or major facility deconstruction, whichever comes first, and address soil concentrations above the reclamation requirements of 100 mg/kg for TPH and 600 mg/kg for chloride (**Figure 4**). The final remediation will be confirmed via final confirmation sampling and is subject to change. As such, NFA appears warranted at this time, and Devon respectfully requests Closure of this CRR associated with Incident Number nAPP2511542418.

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

Sincerely,

EARTH SYSTEMS RESPONSE & RESTORATION

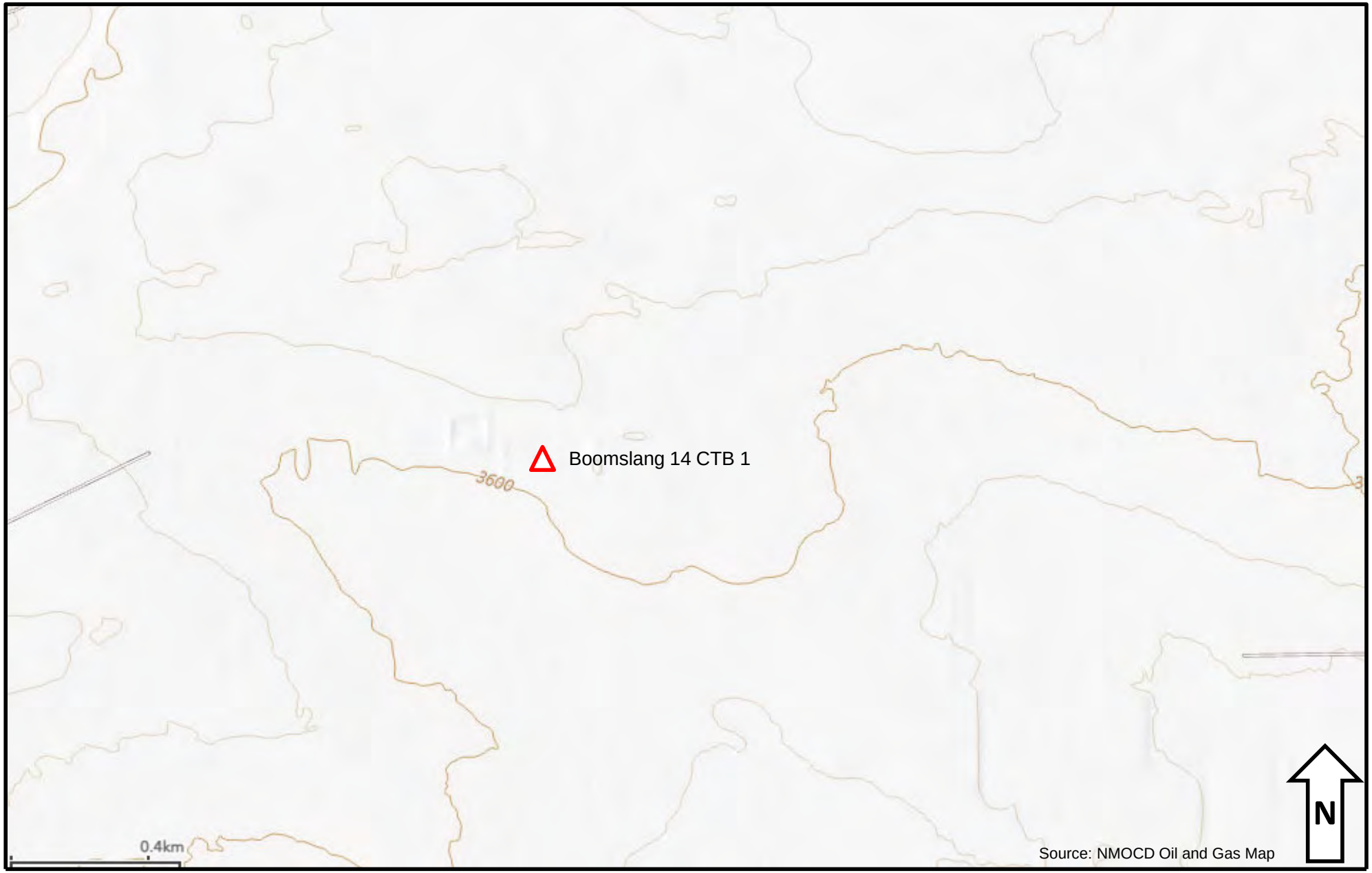
Gilbert Moreno
Carlsbad Operations Manager/ Project Geologist

Kris Williams, CHMM, REM
Principal

cc: Jim Raley, Devon Energy
Bureau of Land Management

Attachments:

- Figure 1 - Site Map
- Figure 2 - Release Extent
- Figure 3 - Groundwater
- Figure 4 - Karst Potential
- Figure 5 - Delineation Soil Sample Locations
- Figure 6 - Future Restoration Area
- Referenced Well Records
- Photographic Documentation
- Table 1 - Soil Sample Analytical Results
- NMOCD Email Documentation & Correspondance
- Executed Chain-of-Custody Forms and Laboratory Analytical Reports
- Archived Report



Earth Systems
Response & Restoration

Figure 1 – Site Map

Devon Energy – Boomslang 14 CTB 1
GPS: 32.22419,-103.54053
Lea County, New Mexico

devon
WPXENERGY

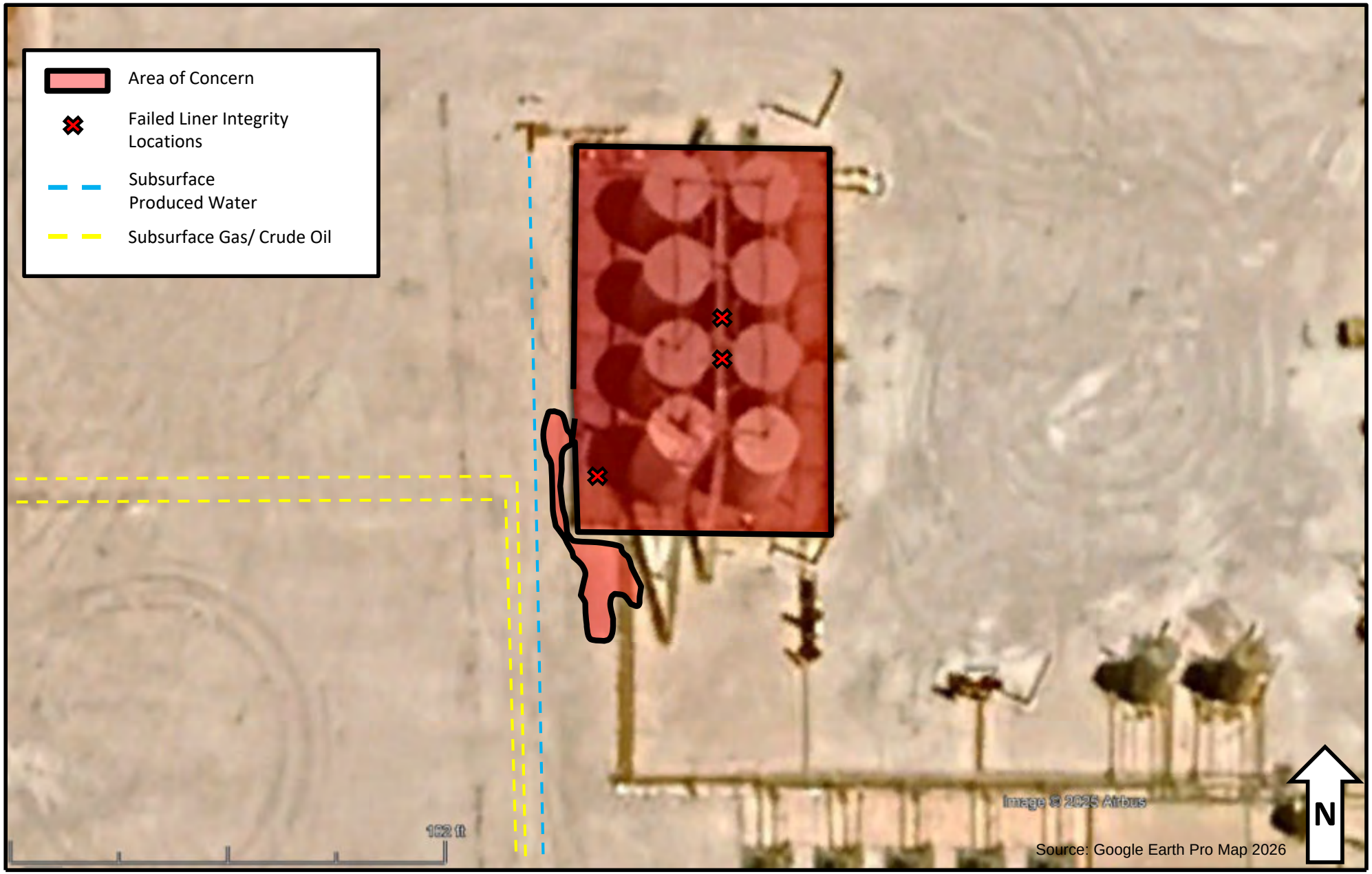
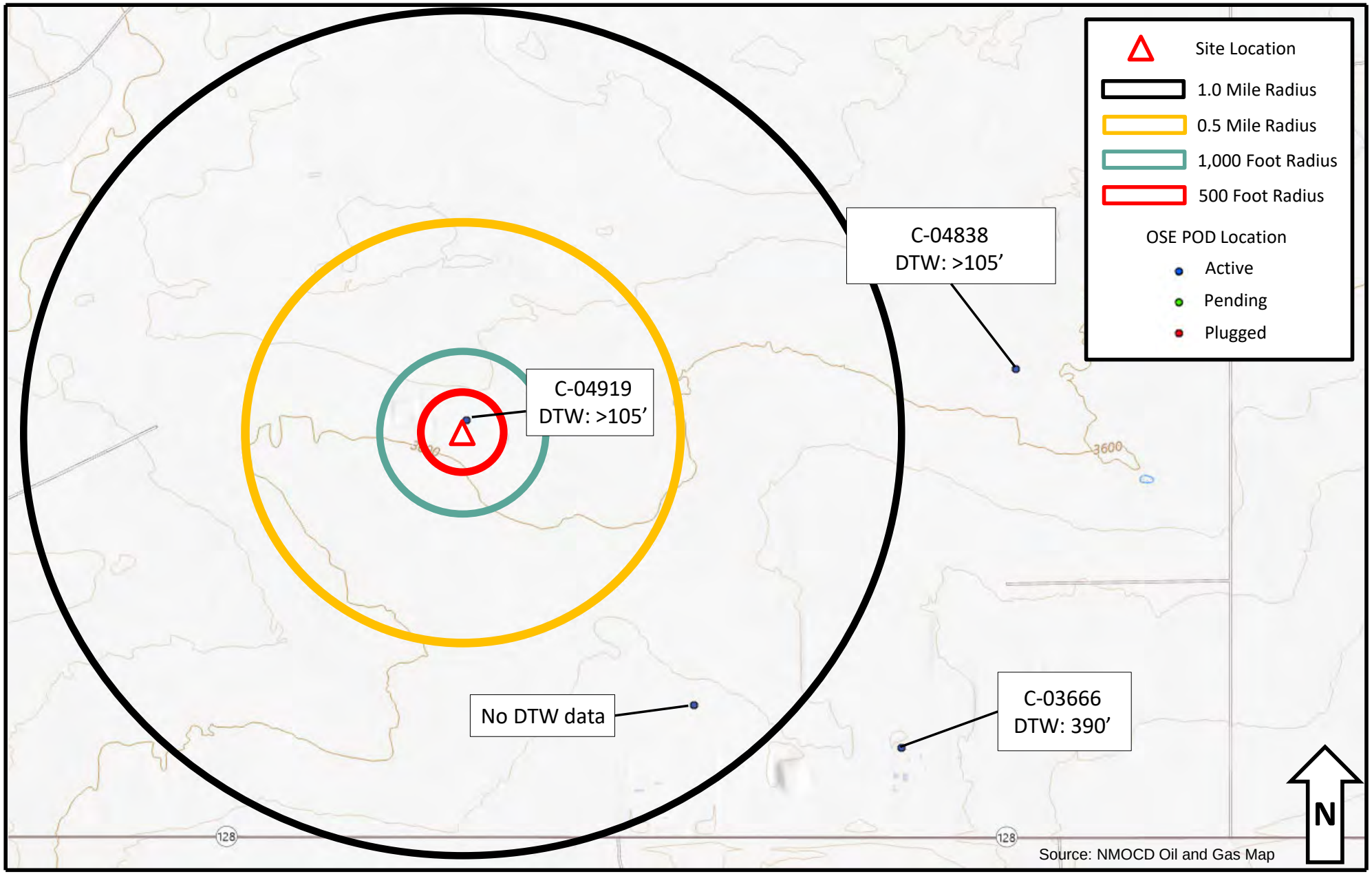


Figure 2 – Release Extent

Devon Energy – Boomslang 14 CTB 1
GPS: 32.22419,-103.54053
Lea County, New Mexico

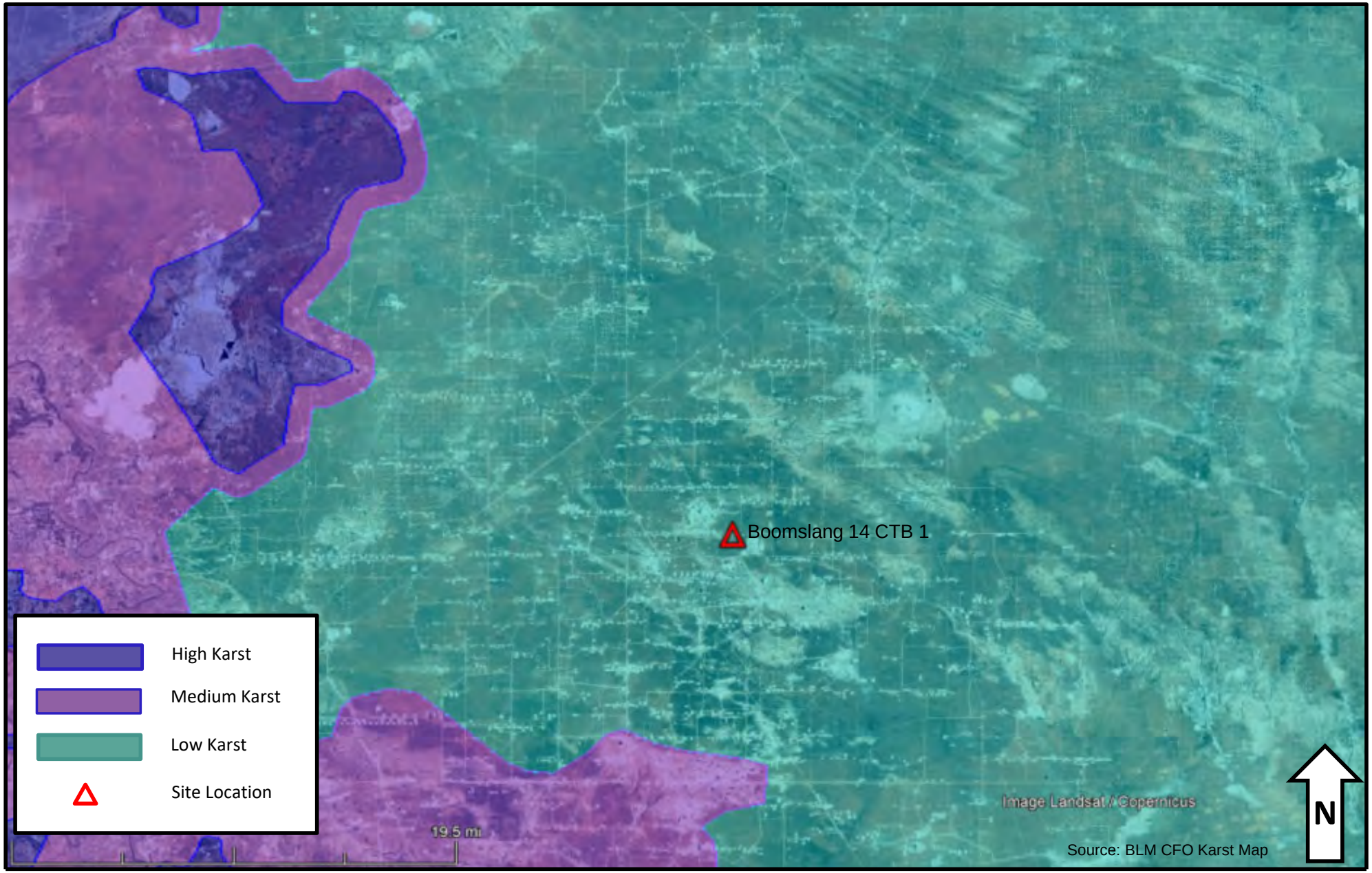


Earth Systems
Response & Restoration

Figure 3 – Groundwater

Devon Energy – Boomslang 14 CTB 1
GPS: 32.22419,-103.54053
Lea County, New Mexico

devon
WPXENERGY



Earth Systems
Response & Restoration

Figure 4 – Karst Potential

Devon Energy – Boomslang 14 CTB 1
GPS: 32.22419,-103.54053
Lea County, New Mexico

devon
WPXENERGY

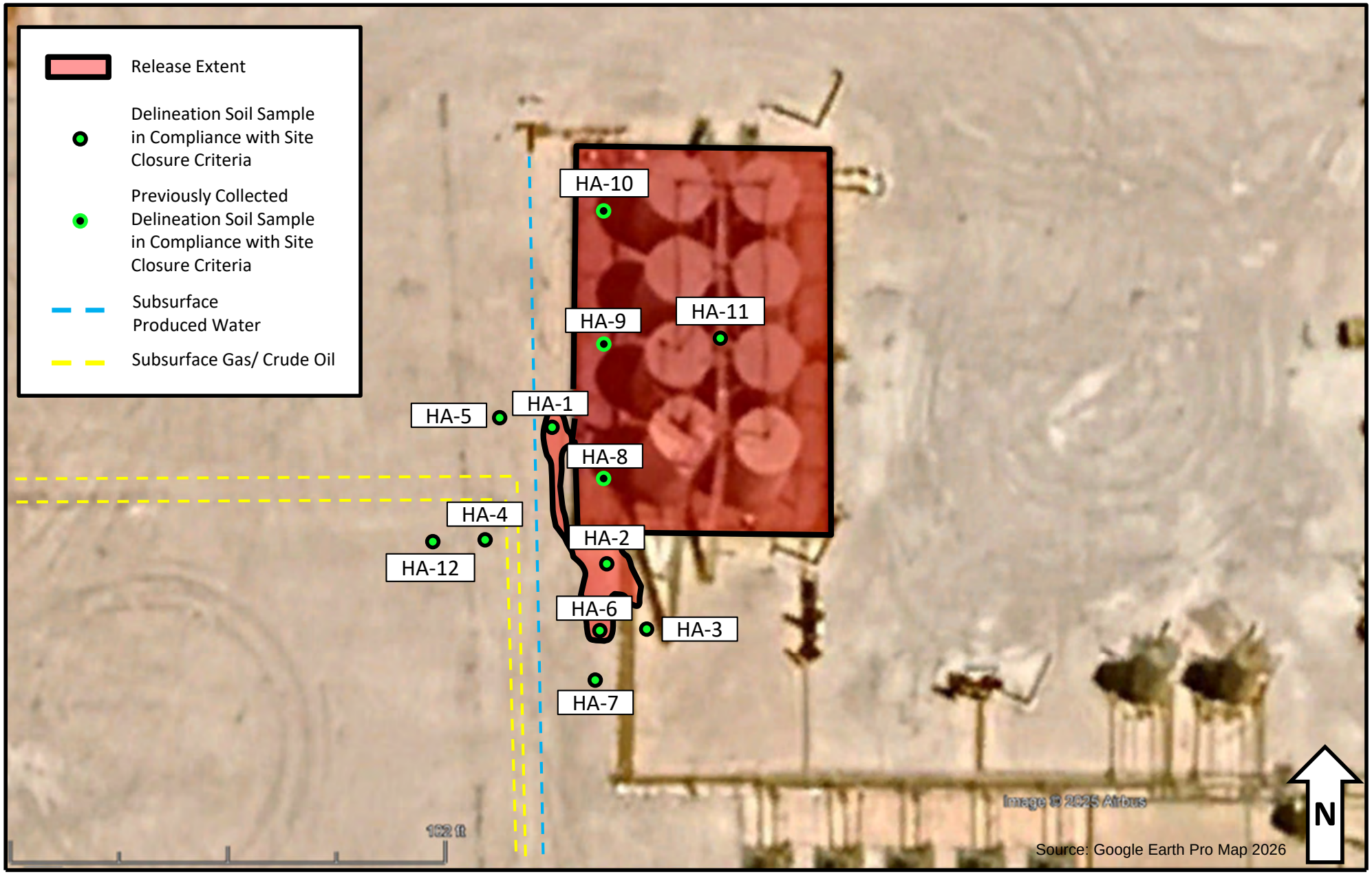


Figure 5 – Delineation Soil Sample Locations

Devon Energy – Boomslang 14 CTB 1
GPS: 32.22419,-103.54053
Lea County, New Mexico

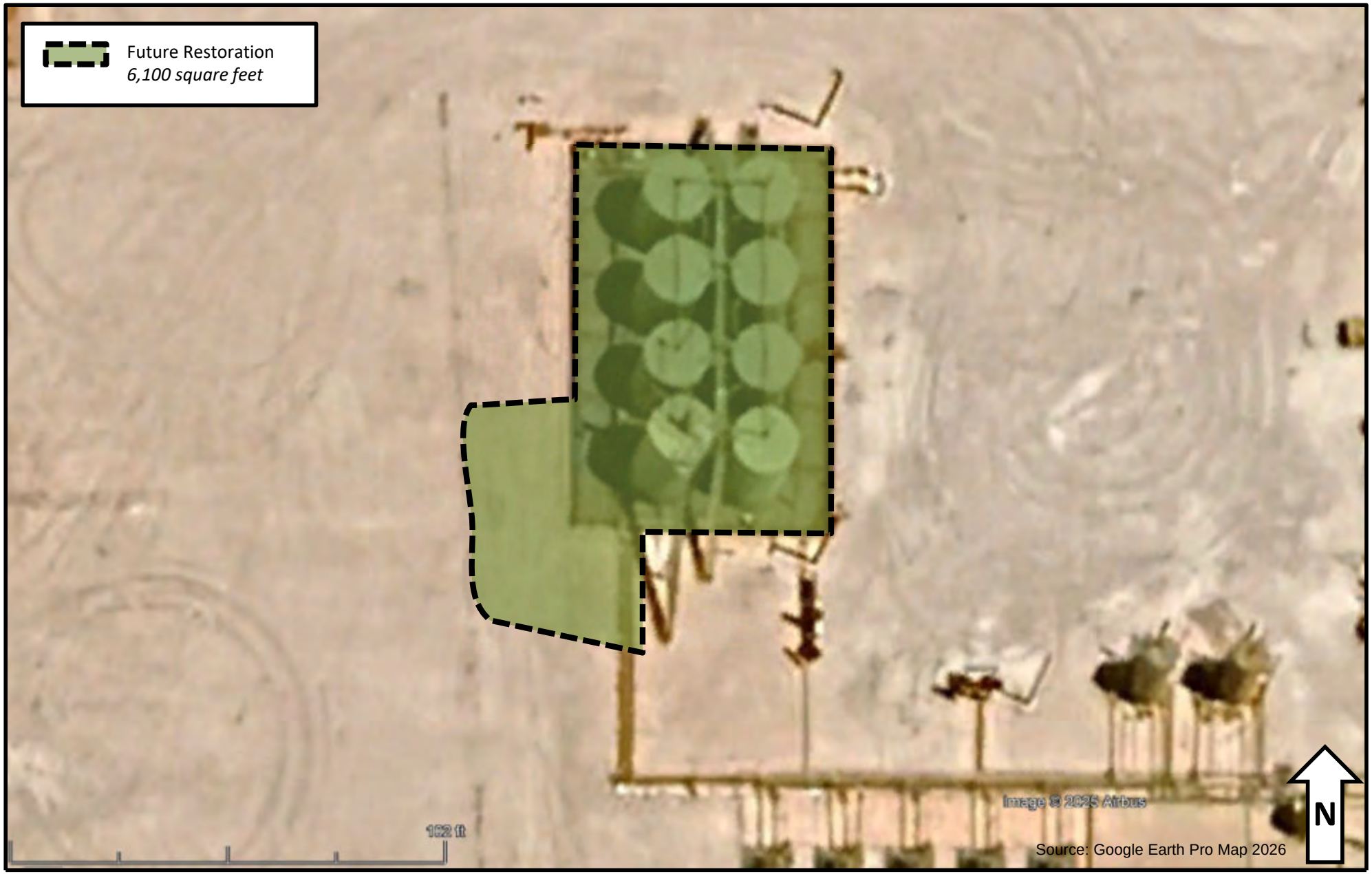


Figure 6 – Future Restoration Area

Devon Energy – Boomslang 14 CTB 1
GPS: 32.22419,-103.54053
Lea County, New Mexico

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

OSE DII ROSWELL
21 JAN 25 AM 8:38

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.): Pod 1	WELL TAG ID NO.	OSE FILE NO(S.): C-04919
WELL OWNER NAME(S): Devon Energy Production		PHONE (OPTIONAL)
WELL OWNER MAILING ADDRESS: 6488 Seven Rivers HWY		CITY: Artesia STATE: NM ZIP: 88210

WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	
LATITUDE	32	13	29.0856	N
LONGITUDE	103	32	25.7382	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHJIP, RANGE) WHERE AVAILABLE: S4 T24s R33e

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1862	James Hawley	H&R Enterprises, LLC

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
12-16-24	12-16-24	105'	105'	N/A

COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): N/A

DATE STATIC MEASURED: 12-23-24

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0'	105'	6'	No casing left in hole				

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			N/A		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. C-04919	POD NO. 1	TRN NO. 773441	
LOCATION 24S.33E.14.212		WELL TAG ID NO. —	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0'	15'	15'	Sandy Caliche	Y ✓ N	
15'	20'	5'	Sand with Gravel	Y ✓ N	
20'	60'	40"	Sand	Y ✓ N	
60'	105'	45'	Sandy Clay	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☑ OTHER – SPECIFY: DTGW Bore

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Depth to groundwater bore was gauged for water on 12-23-24. DTGW bore was dry. Temporary well casing was removed, bore hole was backfilled with drill cutting to 10' BGS. Hydrated bentonite hole plug was poured from 10' BGS to surface.

OSE DII ROSWELL NM
21 JAN '25 AM 8:36

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Nathan Smelcer

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

James Hawley — 1-13-25

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. C-04919	POD NO. 1	TRN NO. 773441
LOCATION 24S.33E.14.212	WELL TAG ID NO. —	PAGE 2 OF 2

Elizabeth K. Anderson, P.E.
State Engineer

Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 773441
File Nbr: C 04919
Well File Nbr: C 04919 POD1

Feb. 12, 2025

DALE WOODALL
DEVON ENERGY PRODUCTION
6488 SEVEN RIVERS HWY
ARTESIA, NM 88210

Greetings:

The above numbered permit was issued in your name on 12/11/2024.

The Well Record was received in this office on 01/21/2025, stating that it had been completed on 12/16/2024, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 12/11/2025.

If you have any questions, please feel free to contact us.

Sincerely,

Rodolfo Chavez

Rodolfo Chavez
(575)622-6521

drywell

Boomslang 14 CTB 1 - Closure Request Report Addendum
Incident Number: nAPP2511542418
GPS: 32.22419°, -103.54053°

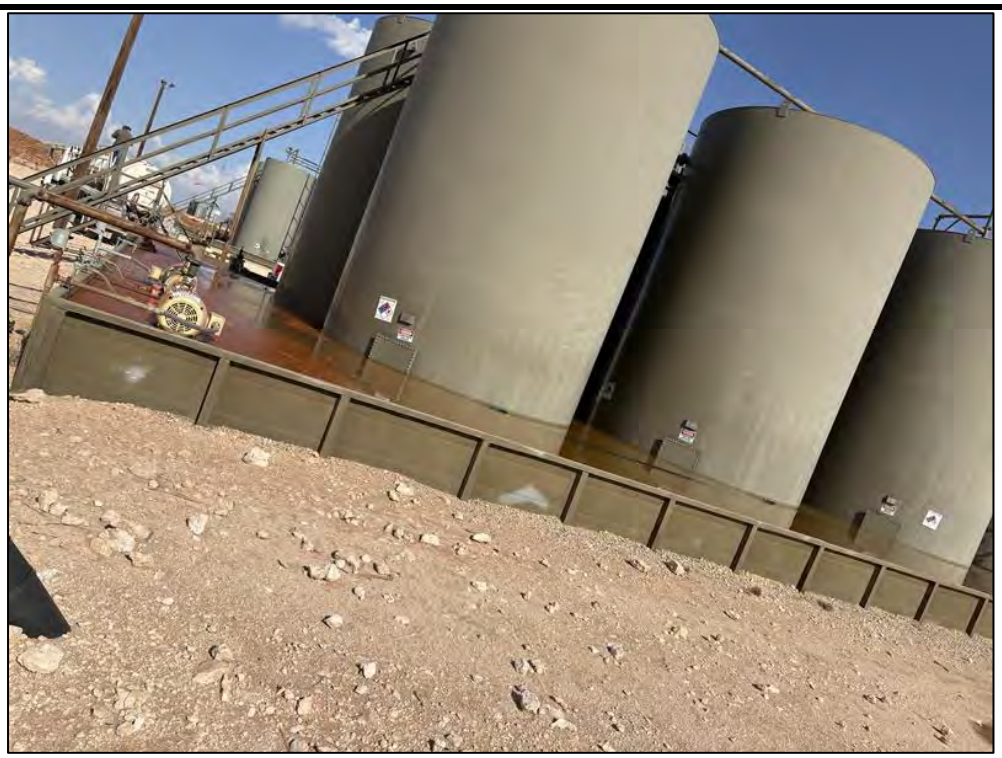


PHOTO 1: Eastern view during initial site assessment by Devon. 4/25/2025

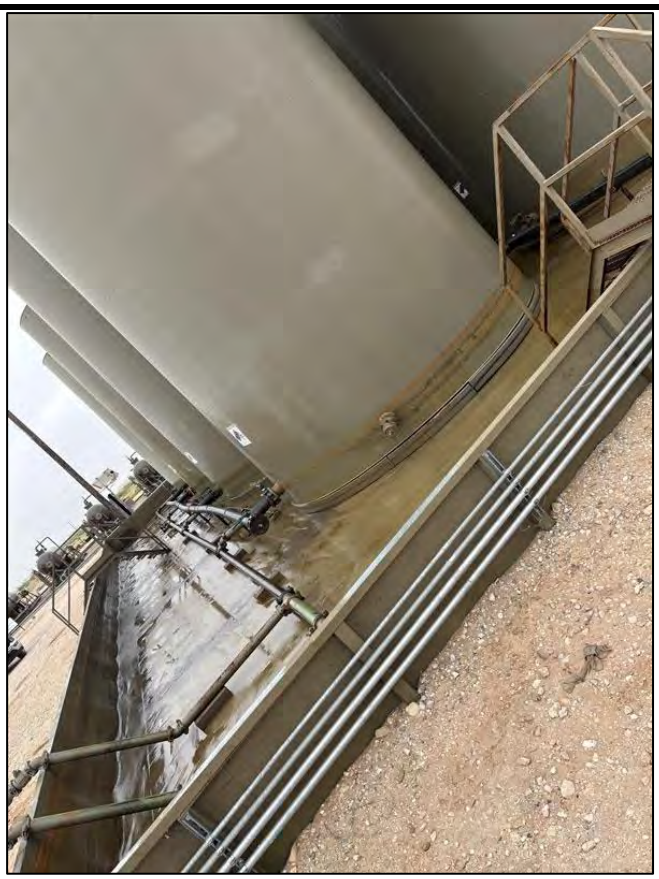


PHOTO 2: Southern view during initial site assessment by Devon. 4/25/2025

PHOTO 3: Northern view during delineation activities. 2/3/2026

PHOTO 4: Northern view during delineation activities. 2/3/2026

PHOTO 5: Northern view during delineation activities. 2/3/2026

PHOTO 6: Northern view during delineation activities. 2/3/2026

PHOTO 7: Northern view during delineation activities. 2/3/2026

PHOTO 8: Southern view during initial delineation activities. 2/3/2026

Earth Systems
Response & Restoration

devon
WPXENERGY

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Boomslang 14 CTB 1
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO + GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples - nAPP2511542418										
HA - 1	02/03/26	0.5	<0.00200	<0.00399	<50.2	<50.2	<50.2	<50.2	<50.2	3,250
HA - 1	02/03/26	1	<0.00201	<0.00402	<50.1	<50.1	<50.1	<50.1	<50.1	4,280
HA - 1	02/03/26	2	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	4,380
HA - 2	02/03/26	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	719
HA - 2	02/03/26	1	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	1,260
HA - 2	02/03/26	2	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	2,090
HA - 3	02/03/26	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	23.9
HA - 3	02/03/26	1	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	11.1
HA - 4	02/03/26	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	603
HA - 4	02/03/26	1	<0.00200	<0.00400	<50.4	<50.4	<50.4	<50.4	<50.4	511
HA - 4	02/03/26	2	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	883
HA - 5	02/03/26	0.5	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	30.2
HA - 5	02/03/26	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	47.8
HA - 6	02/03/26	0.5	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	36.5
HA - 6	02/03/26	1	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	70.7
HA - 7	11/04/25	0.5	<0.00200	<0.00399	<49.6	53.1	<49.6	53.1	53.1	124
HA - 8	11/04/25	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	882
HA - 8	11/04/25	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	1,150
HA - 9	11/04/25	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	1,520
HA - 9	11/04/25	1	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	467
HA - 9	11/04/25	2	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	452
HA - 10	11/04/25	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	131
HA - 10	11/04/25	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	131
HA - 11	02/03/26	0.5	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	548
HA - 11	02/03/26	1	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	320
HA - 11	02/03/26	2	<0.00202	<0.00404	<50.1	<50.1	<50.1	<50.1	<50.1	227

Earth Systems
Response & Restoration

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Boomslang 14 CTB 1
Lea County, New Mexico

devon WPXENERGY

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO + GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples - nAPP2511542418										
HA - 12	02/03/26	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	16.8
HA - 12	02/03/26	1	<0.00200	<0.00399	<50.2	<50.2	<50.2	<50.2	<50.2	14.0
HA - 12	02/03/26	2	<0.00201	<0.00402	<50.1	<50.1	<50.1	<50.1	<50.1	21.4

Notes:
bgs: below ground surface
mg/kg: milligrams per kilogram
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code
Text in "grey" represents excavated soil samples
Concentrations in **bold and highlighted** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard‡ for Soils Impacted by a Release
‡The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 521145

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 521145
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2511542418**
Incident Name	**NAPP2511542418 BOOMSLANG 14 CTB 1 @ FAPP2123645228**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Facility	**[fAPP2123645228] BOOMSLANG 14 CTB 1**

Location of Release Source	
Site Name	**BOOMSLANG 14 CTB 1**
Date Release Discovered	**04/25/2025**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	3,000
What is the estimated number of samples that will be gathered	10
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/04/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Gilbert Moreno (832) 541-7719
Please provide any information necessary for navigation to sampling site	32.224474°,-103.540095°

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 521145

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 521145
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	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.	10/29/2025
jraley	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.	10/29/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 548119

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 548119
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2511542418**
Incident Name	**NAPP2511542418 BOOMSLANG 14 CTB 1 @ FAPP2123645228**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Facility	**[fAPP2123645228] BOOMSLANG 14 CTB 1**

Location of Release Source	
Site Name	**BOOMSLANG 14 CTB 1**
Date Release Discovered	**04/25/2025**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	200
What is the estimated number of samples that will be gathered	5
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/03/2026
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Gilbert Moreno (832) 541-7719
Please provide any information necessary for navigation to sampling site	32.224474°,-103.540095°

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 548119

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 548119
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/29/2026
jraley	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.	1/29/2026

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/11/2026 1:02:57 PM

JOB DESCRIPTION

Boomslang 14 CTB 1
Lea County, NM

JOB NUMBER

890-9449-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

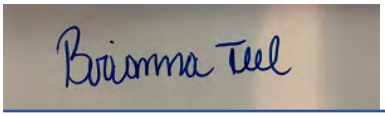
Eurofins Carlsbad

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
2/11/2026 1:02:57 PM

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

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Laboratory Job ID: 890-9449-1
SDG: Lea County, NM

Table of Contents

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
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: Earth Systems Response and Restoration Job ID: 890-9449-1
Project: Boomslang 14 CTB 1

Job ID: 890-9449-1 Eurofins Carlsbad

Job Narrative
890-9449-1

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 2/4/2026 2:50 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 -10.4°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: HA-1 (890-9449-1), HA-1 (890-9449-2), HA-1 (890-9449-3), HA-2 (890-9449-4), HA-2 (890-9449-5), HA-2 (890-9449-6), HA-3 (890-9449-7), HA-3 (890-9449-8), HA-12 (890-9449-9), HA-12 (890-9449-10), HA-12 (890-9449-11), HA-5 (890-9449-12), HA-5 (890-9449-13), HA-6 (890-9449-14), HA-6 (890-9449-15), HA-11 (890-9449-16), HA-11 (890-9449-17), HA-11 (890-9449-18), HA-4 (890-9449-19), HA-4 (890-9449-20) and HA-4 (890-9449-21).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-130685 and 880-130947 and analytical batch 880-131028 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: HA-3 (890-9449-8). 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 8015B NM: Surrogate recovery for the following samples were outside control limits: HA-4 (890-9449-20) and (MB 880-130877/1-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-130877/2-A), (LCSD 880-130877/3-A), (890-9449-A-19-B MS) and (890-9449-A-19-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: HA-4 (890-9449-19) and HA-4 (890-9449-21). 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: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

Client Sample ID: HA-1

Lab Sample ID: 890-9449-1
Matrix: Solid
Date Collected: 02/03/26 10:50
Date Received: 02/04/26 14:50
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		02/05/26 12:53	02/07/26 00:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:53	02/07/26 00:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:53	02/07/26 00:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/05/26 12:53	02/07/26 00:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:53	02/07/26 00:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/05/26 12:53	02/07/26 00:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*02/05/26 12:53*	*02/07/26 00:16*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/05/26 12:53*	*02/07/26 00:16*	*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			02/07/26 00:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			02/10/26 16:51	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	<50.2	U	50.2		mg/Kg		02/05/26 08:30	02/10/26 16:51	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		02/05/26 08:30	02/10/26 16:51	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		02/05/26 08:30	02/10/26 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*02/05/26 08:30*	*02/10/26 16:51*	*1*
o-Terphenyl	*115*		*70 - 130*	*02/05/26 08:30*	*02/10/26 16:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3250**		50.5		mg/Kg			02/05/26 19:01	5

Client Sample ID: HA-1

Lab Sample ID: 890-9449-2
Matrix: Solid
Date Collected: 02/03/26 10:55
Date Received: 02/04/26 14:50
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/05/26 12:53	02/07/26 00:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/05/26 12:53	02/07/26 00:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/05/26 12:53	02/07/26 00:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/05/26 12:53	02/07/26 00:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/05/26 12:53	02/07/26 00:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/05/26 12:53	02/07/26 00:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*02/05/26 12:53*	*02/07/26 00:36*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

Client Sample ID: HA-1

Lab Sample ID: 890-9449-2
Matrix: Solid
Date Collected: 02/03/26 10:55
Date Received: 02/04/26 14:50
Sample Depth: 1

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*02/05/26 12:53*	*02/07/26 00:36*	*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			02/07/26 00:36	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			02/10/26 17:06	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	<50.1	U	50.1		mg/Kg		02/05/26 08:30	02/10/26 17:06	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/05/26 08:30	02/10/26 17:06	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/05/26 08:30	02/10/26 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*02/05/26 08:30*	*02/10/26 17:06*	*1*
o-Terphenyl	*125*		*70 - 130*	*02/05/26 08:30*	*02/10/26 17:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4280**		50.3		mg/Kg			02/05/26 19:07	5

Client Sample ID: HA-1

Lab Sample ID: 890-9449-3
Matrix: Solid
Date Collected: 02/03/26 11:00
Date Received: 02/04/26 14:50
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/05/26 12:53	02/07/26 00:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/05/26 12:53	02/07/26 00:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/05/26 12:53	02/07/26 00:57	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/05/26 12:53	02/07/26 00:57	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/05/26 12:53	02/07/26 00:57	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/05/26 12:53	02/07/26 00:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*02/05/26 12:53*	*02/07/26 00:57*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*02/05/26 12:53*	*02/07/26 00:57*	*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			02/07/26 00:57	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			02/10/26 17:19	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

Client Sample ID: HA-1

Lab Sample ID: 890-9449-3
Matrix: Solid
Date Collected: 02/03/26 11:00
Date Received: 02/04/26 14:50
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		02/05/26 08:30	02/10/26 17:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/05/26 08:30	02/10/26 17:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/05/26 08:30	02/10/26 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*02/05/26 08:30*	*02/10/26 17:19*	*1*
o-Terphenyl	*118*		*70 - 130*	*02/05/26 08:30*	*02/10/26 17:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4380**		49.9		mg/Kg			02/05/26 19:14	5

Client Sample ID: HA-2

Lab Sample ID: 890-9449-4
Matrix: Solid
Date Collected: 02/03/26 11:05
Date Received: 02/04/26 14:50
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		02/05/26 12:53	02/07/26 01:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/05/26 12:53	02/07/26 01:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/05/26 12:53	02/07/26 01:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/05/26 12:53	02/07/26 01:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/05/26 12:53	02/07/26 01:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/05/26 12:53	02/07/26 01:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*02/05/26 12:53*	*02/07/26 01:17*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*02/05/26 12:53*	*02/07/26 01:17*	*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			02/07/26 01:17	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			02/10/26 17:34	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	<50.0	U	50.0		mg/Kg		02/05/26 08:30	02/10/26 17:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/05/26 08:30	02/10/26 17:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/05/26 08:30	02/10/26 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*02/05/26 08:30*	*02/10/26 17:34*	*1*
o-Terphenyl	*117*		*70 - 130*	*02/05/26 08:30*	*02/10/26 17:34*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

Client Sample ID: HA-2

Lab Sample ID: 890-9449-4
Matrix: Solid
Date Collected: 02/03/26 11:05
Date Received: 02/04/26 14:50
Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	719		10.0		mg/Kg			02/05/26 19:21	1

Client Sample ID: HA-2

Lab Sample ID: 890-9449-5
Matrix: Solid
Date Collected: 02/03/26 11:10
Date Received: 02/04/26 14:50
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/05/26 12:53	02/07/26 01:38	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/05/26 12:53	02/07/26 01:38	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/05/26 12:53	02/07/26 01:38	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/05/26 12:53	02/07/26 01:38	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/05/26 12:53	02/07/26 01:38	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/05/26 12:53	02/07/26 01:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*02/05/26 12:53*	*02/07/26 01:38*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*02/05/26 12:53*	*02/07/26 01:38*	*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			02/07/26 01:38	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			02/10/26 17:48	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	<49.9	U	49.9		mg/Kg		02/05/26 08:30	02/10/26 17:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/05/26 08:30	02/10/26 17:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/05/26 08:30	02/10/26 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*02/05/26 08:30*	*02/10/26 17:48*	*1*
o-Terphenyl	*114*		*70 - 130*	*02/05/26 08:30*	*02/10/26 17:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1260		10.1		mg/Kg			02/05/26 19:27	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

Client Sample ID: HA-2

Lab Sample ID: 890-9449-6
Matrix: Solid
Date Collected: 02/03/26 11:15
Date Received: 02/04/26 14:50
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		02/05/26 12:53	02/07/26 01:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:53	02/07/26 01:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:53	02/07/26 01:58	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/05/26 12:53	02/07/26 01:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:53	02/07/26 01:58	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/05/26 12:53	02/07/26 01:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*02/05/26 12:53*	*02/07/26 01:58*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/05/26 12:53*	*02/07/26 01:58*	*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			02/07/26 01:58	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			02/10/26 18:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/05/26 08:30	02/10/26 18:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/05/26 08:30	02/10/26 18:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/05/26 08:30	02/10/26 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*02/05/26 08:30*	*02/10/26 18:02*	*1*
o-Terphenyl	*112*		*70 - 130*	*02/05/26 08:30*	*02/10/26 18:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2090**		50.3		mg/Kg			02/05/26 19:34	5

Client Sample ID: HA-3

Lab Sample ID: 890-9449-7
Matrix: Solid
Date Collected: 02/03/26 11:20
Date Received: 02/04/26 14:50
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		02/05/26 12:53	02/07/26 02:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/05/26 12:53	02/07/26 02:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/05/26 12:53	02/07/26 02:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/05/26 12:53	02/07/26 02:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/05/26 12:53	02/07/26 02:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/05/26 12:53	02/07/26 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*02/05/26 12:53*	*02/07/26 02:19*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

Client Sample ID: HA-3

Lab Sample ID: 890-9449-7
Matrix: Solid
Date Collected: 02/03/26 11:20
Date Received: 02/04/26 14:50
Sample Depth: 0.5

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*02/05/26 12:53*	*02/07/26 02:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/07/26 02:19	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			02/10/26 18:16	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		02/05/26 08:30	02/10/26 18:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/05/26 08:30	02/10/26 18:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/05/26 08:30	02/10/26 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*02/05/26 08:30*	*02/10/26 18:16*	*1*
o-Terphenyl	*119*		*70 - 130*	*02/05/26 08:30*	*02/10/26 18:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.9**		10.0		mg/Kg			02/05/26 19:54	1

Client Sample ID: HA-3

Lab Sample ID: 890-9449-8
Matrix: Solid
Date Collected: 02/03/26 11:25
Date Received: 02/04/26 14:50
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:53	02/07/26 02:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:53	02/07/26 02:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:53	02/07/26 02:39	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/05/26 12:53	02/07/26 02:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:53	02/07/26 02:39	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/05/26 12:53	02/07/26 02:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*152*	*S1+*	*70 - 130*	*02/05/26 12:53*	*02/07/26 02:39*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*02/05/26 12:53*	*02/07/26 02:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/07/26 02:39	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			02/10/26 18:32	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

Client Sample ID: HA-3

Lab Sample ID: 890-9449-8
Matrix: Solid
Date Collected: 02/03/26 11:25
Date Received: 02/04/26 14:50
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/05/26 08:30	02/10/26 18:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/05/26 08:30	02/10/26 18:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/05/26 08:30	02/10/26 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*02/05/26 08:30*	*02/10/26 18:32*	*1*
o-Terphenyl	*110*		*70 - 130*	*02/05/26 08:30*	*02/10/26 18:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.1**		10.1		mg/Kg			02/05/26 20:01	1

Client Sample ID: HA-12

Lab Sample ID: 890-9449-9
Matrix: Solid
Date Collected: 02/03/26 11:30
Date Received: 02/04/26 14:50
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		02/05/26 12:53	02/07/26 03:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/05/26 12:53	02/07/26 03:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/05/26 12:53	02/07/26 03:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/05/26 12:53	02/07/26 03:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/05/26 12:53	02/07/26 03:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/05/26 12:53	02/07/26 03:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*02/05/26 12:53*	*02/07/26 03:00*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*02/05/26 12:53*	*02/07/26 03:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/07/26 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	<50.0	U	50.0		mg/Kg			02/10/26 19:00	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		02/05/26 08:30	02/10/26 19:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/05/26 08:30	02/10/26 19:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/05/26 08:30	02/10/26 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*02/05/26 08:30*	*02/10/26 19:00*	*1*
o-Terphenyl	*117*		*70 - 130*	*02/05/26 08:30*	*02/10/26 19:00*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

Client Sample ID: HA-12

Lab Sample ID: 890-9449-9
Matrix: Solid
Date Collected: 02/03/26 11:30
Date Received: 02/04/26 14:50
Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.8		10.1		mg/Kg			02/05/26 20:21	1

Client Sample ID: HA-12

Lab Sample ID: 890-9449-10
Matrix: Solid
Date Collected: 02/03/26 11:35
Date Received: 02/04/26 14:50
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:53	02/07/26 03:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:53	02/07/26 03:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:53	02/07/26 03:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/05/26 12:53	02/07/26 03:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:53	02/07/26 03:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/05/26 12:53	02/07/26 03:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*02/05/26 12:53*	*02/07/26 03:20*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*02/05/26 12:53*	*02/07/26 03:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/07/26 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	<50.2	U	50.2		mg/Kg			02/10/26 19:13	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	<50.2	U	50.2		mg/Kg		02/05/26 08:30	02/10/26 19:13	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		02/05/26 08:30	02/10/26 19:13	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		02/05/26 08:30	02/10/26 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*02/05/26 08:30*	*02/10/26 19:13*	*1*
o-Terphenyl	*106*		*70 - 130*	*02/05/26 08:30*	*02/10/26 19:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.0		10.0		mg/Kg			02/05/26 20:28	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

Client Sample ID: HA-12

Lab Sample ID: 890-9449-11
Matrix: Solid
Date Collected: 02/03/26 11:40
Date Received: 02/04/26 14:50
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		02/05/26 12:53	02/07/26 05:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/05/26 12:53	02/07/26 05:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/05/26 12:53	02/07/26 05:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/05/26 12:53	02/07/26 05:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/05/26 12:53	02/07/26 05:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/05/26 12:53	02/07/26 05:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*294*	*S1+*	*70 - 130*	*02/05/26 12:53*	*02/07/26 05:11*	*1*
1,4-Difluorobenzene (Surr)	*150*	*S1+*	*70 - 130*	*02/05/26 12:53*	*02/07/26 05:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/07/26 05:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/10/26 19:29	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	<50.1	U	50.1		mg/Kg		02/05/26 08:30	02/10/26 19:29	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/05/26 08:30	02/10/26 19:29	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/05/26 08:30	02/10/26 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*02/05/26 08:30*	*02/10/26 19:29*	*1*
o-Terphenyl	*123*		*70 - 130*	*02/05/26 08:30*	*02/10/26 19:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.4**		9.96		mg/Kg			02/05/26 20:34	1

Client Sample ID: HA-5

Lab Sample ID: 890-9449-12
Matrix: Solid
Date Collected: 02/03/26 11:45
Date Received: 02/04/26 14:50
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		02/05/26 12:53	02/07/26 05:31	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/05/26 12:53	02/07/26 05:31	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/05/26 12:53	02/07/26 05:31	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/05/26 12:53	02/07/26 05:31	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/05/26 12:53	02/07/26 05:31	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/05/26 12:53	02/07/26 05:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*02/05/26 12:53*	*02/07/26 05:31*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

Client Sample ID: HA-5

Lab Sample ID: 890-9449-12
Matrix: Solid
Date Collected: 02/03/26 11:45
Date Received: 02/04/26 14:50
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*	*02/05/26 12:53*	*02/07/26 05:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/07/26 05:31	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			02/10/26 19:42	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	<50.0	U	50.0		mg/Kg		02/05/26 08:30	02/10/26 19:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/05/26 08:30	02/10/26 19:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/05/26 08:30	02/10/26 19:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*99*		*70 - 130*	*02/05/26 08:30*	*02/10/26 19:42*	*1*
o-Terphenyl	*112*		*70 - 130*	*02/05/26 08:30*	*02/10/26 19:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30.2**		9.94		mg/Kg			02/05/26 20:41	1

Client Sample ID: HA-5

Lab Sample ID: 890-9449-13
Matrix: Solid
Date Collected: 02/03/26 11:50
Date Received: 02/04/26 14:50
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/05/26 12:53	02/07/26 05:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/05/26 12:53	02/07/26 05:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/05/26 12:53	02/07/26 05:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/05/26 12:53	02/07/26 05:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/05/26 12:53	02/07/26 05:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/05/26 12:53	02/07/26 05:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*02/05/26 12:53*	*02/07/26 05:52*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*02/05/26 12:53*	*02/07/26 05:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/07/26 05:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/10/26 19:58	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

Client Sample ID: HA-5

Lab Sample ID: 890-9449-13
Matrix: Solid
Date Collected: 02/03/26 11:50
Date Received: 02/04/26 14:50
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/05/26 08:30	02/10/26 19:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/05/26 08:30	02/10/26 19:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/05/26 08:30	02/10/26 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*02/05/26 08:30*	*02/10/26 19:58*	*1*
o-Terphenyl	*116*		*70 - 130*	*02/05/26 08:30*	*02/10/26 19:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**47.8**		10.1		mg/Kg			02/05/26 20:48	1

Client Sample ID: HA-6

Lab Sample ID: 890-9449-14
Matrix: Solid
Date Collected: 02/03/26 11:55
Date Received: 02/04/26 14:50
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		02/05/26 12:53	02/07/26 06:12	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/05/26 12:53	02/07/26 06:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/05/26 12:53	02/07/26 06:12	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/05/26 12:53	02/07/26 06:12	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/05/26 12:53	02/07/26 06:12	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/05/26 12:53	02/07/26 06:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*02/05/26 12:53*	*02/07/26 06:12*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/05/26 12:53*	*02/07/26 06:12*	*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			02/07/26 06:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/10/26 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		02/05/26 08:30	02/10/26 20:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/05/26 08:30	02/10/26 20:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/05/26 08:30	02/10/26 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*02/05/26 08:30*	*02/10/26 20:11*	*1*
o-Terphenyl	*113*		*70 - 130*	*02/05/26 08:30*	*02/10/26 20:11*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

Client Sample ID: HA-6
Lab Sample ID: 890-9449-14
Date Collected: 02/03/26 11:55
Matrix: Solid
Date Received: 02/04/26 14:50
Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.5		10.1		mg/Kg			02/05/26 20:54	1

Client Sample ID: HA-6
Lab Sample ID: 890-9449-15
Date Collected: 02/03/26 12:00
Matrix: Solid
Date Received: 02/04/26 14:50
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:53	02/07/26 06:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:53	02/07/26 06:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:53	02/07/26 06:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/05/26 12:53	02/07/26 06:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:53	02/07/26 06:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/05/26 12:53	02/07/26 06:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*02/05/26 12:53*	*02/07/26 06:33*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*02/05/26 12:53*	*02/07/26 06:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/07/26 06:33	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			02/10/26 20:26	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		02/05/26 08:30	02/10/26 20:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/05/26 08:30	02/10/26 20:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/05/26 08:30	02/10/26 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*02/05/26 08:30*	*02/10/26 20:26*	*1*
o-Terphenyl	*110*		*70 - 130*	*02/05/26 08:30*	*02/10/26 20:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.7		9.94		mg/Kg			02/05/26 21:01	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

Client Sample ID: HA-11

Lab Sample ID: 890-9449-16
Matrix: Solid
Date Collected: 02/03/26 12:05
Date Received: 02/04/26 14:50
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		02/05/26 12:53	02/07/26 06:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:53	02/07/26 06:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:53	02/07/26 06:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/05/26 12:53	02/07/26 06:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:53	02/07/26 06:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/05/26 12:53	02/07/26 06:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*02/05/26 12:53*	*02/07/26 06:53*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*02/05/26 12:53*	*02/07/26 06:53*	*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			02/07/26 06:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/10/26 20:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/05/26 08:30	02/10/26 20:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/05/26 08:30	02/10/26 20:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/05/26 08:30	02/10/26 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*02/05/26 08:30*	*02/10/26 20:39*	*1*
o-Terphenyl	*112*		*70 - 130*	*02/05/26 08:30*	*02/10/26 20:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**548**		10.1		mg/Kg			02/05/26 18:20	1

Client Sample ID: HA-11

Lab Sample ID: 890-9449-17
Matrix: Solid
Date Collected: 02/03/26 12:10
Date Received: 02/04/26 14:50
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/05/26 12:53	02/07/26 07:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/05/26 12:53	02/07/26 07:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/05/26 12:53	02/07/26 07:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/05/26 12:53	02/07/26 07:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/05/26 12:53	02/07/26 07:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/05/26 12:53	02/07/26 07:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*02/05/26 12:53*	*02/07/26 07:14*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

Client Sample ID: HA-11

Lab Sample ID: 890-9449-17
Matrix: Solid
Date Collected: 02/03/26 12:10
Date Received: 02/04/26 14:50
Sample Depth: 1

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*02/05/26 12:53*	*02/07/26 07:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/07/26 07:14	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			02/10/26 20:54	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		02/05/26 08:30	02/10/26 20:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/05/26 08:30	02/10/26 20:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/05/26 08:30	02/10/26 20:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*02/05/26 08:30*	*02/10/26 20:54*	*1*
o-Terphenyl	*105*		*70 - 130*	*02/05/26 08:30*	*02/10/26 20:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**320**		9.90		mg/Kg			02/05/26 18:41	1

Client Sample ID: HA-11

Lab Sample ID: 890-9449-18
Matrix: Solid
Date Collected: 02/03/26 12:15
Date Received: 02/04/26 14:50
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/05/26 12:53	02/07/26 07:34	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/05/26 12:53	02/07/26 07:34	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/05/26 12:53	02/07/26 07:34	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/05/26 12:53	02/07/26 07:34	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/05/26 12:53	02/07/26 07:34	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/05/26 12:53	02/07/26 07:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*02/05/26 12:53*	*02/07/26 07:34*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*02/05/26 12:53*	*02/07/26 07:34*	*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			02/07/26 07:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/10/26 21:07	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

Client Sample ID: HA-11

Lab Sample ID: 890-9449-18
Matrix: Solid
Date Collected: 02/03/26 12:15
Date Received: 02/04/26 14:50
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	<50.1	U	50.1		mg/Kg		02/05/26 08:30	02/10/26 21:07	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/05/26 08:30	02/10/26 21:07	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/05/26 08:30	02/10/26 21:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*02/05/26 08:30*	*02/10/26 21:07*	*1*
o-Terphenyl	*108*		*70 - 130*	*02/05/26 08:30*	*02/10/26 21:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**227**		10.1		mg/Kg			02/05/26 18:48	1

Client Sample ID: HA-4

Lab Sample ID: 890-9449-19
Matrix: Solid
Date Collected: 02/03/26 12:20
Date Received: 02/04/26 14:50
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		02/05/26 12:53	02/07/26 07:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/05/26 12:53	02/07/26 07:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/05/26 12:53	02/07/26 07:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/05/26 12:53	02/07/26 07:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/05/26 12:53	02/07/26 07:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/05/26 12:53	02/07/26 07:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*02/05/26 12:53*	*02/07/26 07:55*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*02/05/26 12:53*	*02/07/26 07:55*	*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			02/07/26 07:55	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			02/10/26 17:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/05/26 08:34	02/10/26 17:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/05/26 08:34	02/10/26 17:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/05/26 08:34	02/10/26 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*02/05/26 08:34*	*02/10/26 17:19*	*1*
o-Terphenyl	*135*	*S1+*	*70 - 130*	*02/05/26 08:34*	*02/10/26 17:19*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

Client Sample ID: HA-4
Lab Sample ID: 890-9449-19
Date Collected: 02/03/26 12:20
Matrix: Solid
Date Received: 02/04/26 14:50
Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**603**		10.1		mg/Kg			02/05/26 18:55	1

Client Sample ID: HA-4
Lab Sample ID: 890-9449-20
Date Collected: 02/03/26 12:25
Matrix: Solid
Date Received: 02/04/26 14:50
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:53	02/07/26 08:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:53	02/07/26 08:15	1
Ethylbenzene	**0.00370**		0.00200		mg/Kg		02/05/26 12:53	02/07/26 08:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/05/26 12:53	02/07/26 08:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:53	02/07/26 08:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/05/26 12:53	02/07/26 08:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*02/05/26 12:53*	*02/07/26 08:15*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*02/05/26 12:53*	*02/07/26 08:15*	*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			02/07/26 08:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			02/10/26 18:03	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	<50.4	U	50.4		mg/Kg		02/05/26 08:34	02/10/26 18:03	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		02/05/26 08:34	02/10/26 18:03	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		02/05/26 08:34	02/10/26 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*02/05/26 08:34*	*02/10/26 18:03*	*1*
o-Terphenyl	*144*	*S1+*	*70 - 130*	*02/05/26 08:34*	*02/10/26 18:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**511**		10.1		mg/Kg			02/05/26 19:02	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

Client Sample ID: HA-4

Date Collected: 02/03/26 12:30
Date Received: 02/04/26 14:50
Sample Depth: 2

Lab Sample ID: 890-9449-21

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		02/07/26 16:49	02/08/26 22:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/07/26 16:49	02/08/26 22:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/07/26 16:49	02/08/26 22:33	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/07/26 16:49	02/08/26 22:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/07/26 16:49	02/08/26 22:33	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/07/26 16:49	02/08/26 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*02/07/26 16:49*	*02/08/26 22:33*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*02/07/26 16:49*	*02/08/26 22:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/08/26 22:33	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			02/10/26 18:18	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		02/05/26 08:34	02/10/26 18:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/05/26 08:34	02/10/26 18:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/05/26 08:34	02/10/26 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*02/05/26 08:34*	*02/10/26 18:18*	*1*
o-Terphenyl	*140*	*S1+*	*70 - 130*	*02/05/26 08:34*	*02/10/26 18:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**883**		9.96		mg/Kg			02/05/26 19:22	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
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)										
890-9449-1	HA-1	93	101										
890-9449-1 MS	HA-1	107	92										
890-9449-1 MSD	HA-1	93	87										
890-9449-2	HA-1	103	107										
890-9449-3	HA-1	113	104										
890-9449-4	HA-2	114	111										
890-9449-5	HA-2	117	107										
890-9449-6	HA-2	129	101										
890-9449-7	HA-3	126	115										
890-9449-8	HA-3	152 S1+	80										
890-9449-9	HA-12	125	112										
890-9449-10	HA-12	120	120										
890-9449-11	HA-12	294 S1+	150 S1+										
890-9449-12	HA-5	101	101										
890-9449-13	HA-5	118	110										
890-9449-14	HA-6	113	103										
890-9449-15	HA-6	117	107										
890-9449-16	HA-11	111	97										
890-9449-17	HA-11	116	108										
890-9449-18	HA-11	111	99										
890-9449-19	HA-4	121	110										
890-9449-20	HA-4	118	100										
890-9449-21	HA-4	117	86										
LCS 880-130947/1-A	Lab Control Sample	98	86										
LCS 880-131151/1-A	Lab Control Sample	105	100										
LCSD 880-130947/2-A	Lab Control Sample Dup	101	95										
LCSD 880-131151/2-A	Lab Control Sample Dup	100	97										
MB 880-130685/5-A	Method Blank	157 S1+	90										
MB 880-130947/5-A	Method Blank	138 S1+	91										
MB 880-131151/5-A	Method Blank	102	98										

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)										
890-9449-1	HA-1	104	115										
890-9449-2	HA-1	111	125										
890-9449-3	HA-1	101	118										
890-9449-4	HA-2	103	117										
890-9449-5	HA-2	100	114										
890-9449-6	HA-2	97	112										
890-9449-7	HA-3	103	119										
890-9449-8	HA-3	97	110										
890-9449-9	HA-12	102	117										

Surrogate Summary

Client: Earth Systems Response and Restoration
Job ID: 890-9449-1
Project/Site: Boomslang 14 CTB 1
SDG: Lea County, NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
890-9449-10	HA-12	93	106								
890-9449-11	HA-12	110	123								
890-9449-12	HA-5	99	112								
890-9449-13	HA-5	102	116								
890-9449-14	HA-6	101	113								
890-9449-15	HA-6	99	110								
890-9449-16	HA-11	100	112								
890-9449-17	HA-11	94	105								
890-9449-18	HA-11	95	108								
890-9449-19	HA-4	125	135 S1+								
890-9449-19 MS	HA-4	123	139 S1+								
890-9449-19 MSD	HA-4	123	141 S1+								
890-9449-20	HA-4	134 S1+	144 S1+								
890-9449-21	HA-4	128	140 S1+								
LCS 880-130875/2-A	Lab Control Sample	115	111								
LCS 880-130877/2-A	Lab Control Sample	119	132 S1+								
LCSD 880-130875/3-A	Lab Control Sample Dup	122	114								
LCSD 880-130877/3-A	Lab Control Sample Dup	125	138 S1+								
MB 880-130875/1-A	Method Blank	103	121								
MB 880-130877/1-A	Method Blank	135 S1+	150 S1+								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-130685/5-A
Matrix: Solid
Analysis Batch: 131028

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 130685

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/03/26 13:50	02/06/26 12:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/03/26 13:50	02/06/26 12:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/03/26 13:50	02/06/26 12:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/03/26 13:50	02/06/26 12:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/03/26 13:50	02/06/26 12:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/03/26 13:50	02/06/26 12:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*157*	*S1+*	*70 - 130*	*02/03/26 13:50*	*02/06/26 12:09*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*02/03/26 13:50*	*02/06/26 12:09*	*1*

Lab Sample ID: MB 880-130947/5-A
Matrix: Solid
Analysis Batch: 131028

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 130947

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:53	02/06/26 23:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:53	02/06/26 23:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:53	02/06/26 23:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/05/26 12:53	02/06/26 23:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:53	02/06/26 23:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/05/26 12:53	02/06/26 23:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*02/05/26 12:53*	*02/06/26 23:47*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*02/05/26 12:53*	*02/06/26 23:47*	*1*

Lab Sample ID: LCS 880-130947/1-A
Matrix: Solid
Analysis Batch: 131028

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 130947

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09591		mg/Kg		96	70 - 130
Toluene	0.100	0.1033		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1108		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	0.200	0.2218		mg/Kg		111	70 - 130
o-Xylene	0.100	0.1028		mg/Kg		103	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*

Lab Sample ID: LCSD 880-130947/2-A
Matrix: Solid
Analysis Batch: 131028

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 130947

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1017		mg/Kg		102	70 - 130	6	35

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-130947/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 131028 — **Prep Batch: 130947**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1084		mg/Kg		108	70 - 130	5	35
Ethylbenzene			0.100	0.09961		mg/Kg		100	70 - 130	11	35
m-Xylene & p-Xylene			0.200	0.1952		mg/Kg		98	70 - 130	13	35
o-Xylene			0.100	0.1040		mg/Kg		104	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 890-9449-1 MS — **Client Sample ID: HA-1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 131028 — **Prep Batch: 130947**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09681		mg/Kg		97	70 - 130
Toluene	<0.00200	U	0.100	0.09376		mg/Kg		94	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1073		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1890		mg/Kg		95	70 - 130
o-Xylene	<0.00200	U	0.100	0.09211		mg/Kg		92	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 890-9449-1 MSD — **Client Sample ID: HA-1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 131028 — **Prep Batch: 130947**

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	0.09016		mg/Kg		90	70 - 130	7	35
Toluene	<0.00200	U	0.100	0.09111		mg/Kg		91	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.100	0.08252		mg/Kg		83	70 - 130	26	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1824		mg/Kg		91	70 - 130	4	35
o-Xylene	<0.00200	U	0.100	0.09376		mg/Kg		94	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: MB 880-131151/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 131152 — **Prep Batch: 131151**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/07/26 16:49	02/08/26 19:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/07/26 16:49	02/08/26 19:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/07/26 16:49	02/08/26 19:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/07/26 16:49	02/08/26 19:48	1

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-131151/5-A
Matrix: Solid
Analysis Batch: 131152

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 131151

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/07/26 16:49	02/08/26 19:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/07/26 16:49	02/08/26 19:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*02/07/26 16:49*	*02/08/26 19:48*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*02/07/26 16:49*	*02/08/26 19:48*	*1*

Lab Sample ID: LCS 880-131151/1-A
Matrix: Solid
Analysis Batch: 131152

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 131151

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1058		mg/Kg		106	70 - 130
Toluene	0.100	0.1112		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.09958		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.2044		mg/Kg		102	70 - 130
o-Xylene	0.100	0.09950		mg/Kg		100	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-131151/2-A
Matrix: Solid
Analysis Batch: 131152

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 131151

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1022		mg/Kg		102	70 - 130	3	35
Toluene	0.100	0.1081		mg/Kg		108	70 - 130	3	35
Ethylbenzene	0.100	0.09640		mg/Kg		96	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1992		mg/Kg		100	70 - 130	3	35
o-Xylene	0.100	0.09775		mg/Kg		98	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

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

Lab Sample ID: MB 880-130875/1-A
Matrix: Solid
Analysis Batch: 131350

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 130875

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		02/05/26 08:30	02/10/26 14:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/05/26 08:30	02/10/26 14:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/05/26 08:30	02/10/26 14:48	1

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	02/05/26 08:30	02/10/26 14:48	1
o-Terphenyl	121		70 - 130	02/05/26 08:30	02/10/26 14:48	1

Lab Sample ID: LCS 880-130875/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 131350 — **Prep Batch: 130875**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	881.6		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	776.7		mg/Kg		78	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	111		70 - 130

Lab Sample ID: LCSD 880-130875/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 131350 — **Prep Batch: 130875**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	929.4		mg/Kg		93	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	813.0		mg/Kg		81	70 - 130	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	122		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: MB 880-130877/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 131368 — **Prep Batch: 130877**

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		02/05/26 08:34	02/10/26 16:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/05/26 08:34	02/10/26 16:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/05/26 08:34	02/10/26 16:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130	02/05/26 08:34	02/10/26 16:12	1
o-Terphenyl	150	S1+	70 - 130	02/05/26 08:34	02/10/26 16:12	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-130877/2-A
Matrix: Solid
Analysis Batch: 131368

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 130877

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	968.8		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1044		mg/Kg		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*119*		*70 - 130*
o-Terphenyl	*132*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-130877/3-A
Matrix: Solid
Analysis Batch: 131368

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 130877

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1040		mg/Kg		104	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	1095		mg/Kg		109	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*125*		*70 - 130*
o-Terphenyl	*138*	*S1+*	*70 - 130*

Lab Sample ID: 890-9449-19 MS
Matrix: Solid
Analysis Batch: 131368

Client Sample ID: HA-4
Prep Type: Total/NA
Prep Batch: 130877

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	998	955.5		mg/Kg		96	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1027		mg/Kg		103	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*123*		*70 - 130*
o-Terphenyl	*139*	*S1+*	*70 - 130*

Lab Sample ID: 890-9449-19 MSD
Matrix: Solid
Analysis Batch: 131368

Client Sample ID: HA-4
Prep Type: Total/NA
Prep Batch: 130877

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	940.8		mg/Kg		94	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1026		mg/Kg		103	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*123*		*70 - 130*

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

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

Lab Sample ID: 890-9449-19 MSD
Matrix: Solid
Analysis Batch: 131368

Client Sample ID: HA-4
Prep Type: Total/NA
Prep Batch: 130877

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	141	S1+	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-130883/1-A
Matrix: Solid
Analysis Batch: 130927

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			02/05/26 17:40	1

Lab Sample ID: LCS 880-130883/2-A
Matrix: Solid
Analysis Batch: 130927

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	250.9		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-130883/3-A
Matrix: Solid
Analysis Batch: 130927

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	252.0		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 890-9449-6 MS
Matrix: Solid
Analysis Batch: 130927

Client Sample ID: HA-2
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2090		1260	3395		mg/Kg		104	90 - 110

Lab Sample ID: 890-9449-6 MSD
Matrix: Solid
Analysis Batch: 130927

Client Sample ID: HA-2
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2090		1260	3385		mg/Kg		103	90 - 110	0	20

Lab Sample ID: MB 880-130882/1-A
Matrix: Solid
Analysis Batch: 130935

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			02/05/26 18:00	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-130882/2-A
Matrix: Solid
Analysis Batch: 130935

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	245.9		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-130882/3-A
Matrix: Solid
Analysis Batch: 130935

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	246.1		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 890-9449-16 MS
Matrix: Solid
Analysis Batch: 130935

Client Sample ID: HA-11
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	548		252	777.6		mg/Kg		91	90 - 110		

Lab Sample ID: 890-9449-16 MSD
Matrix: Solid
Analysis Batch: 130935

Client Sample ID: HA-11
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	548		252	778.5		mg/Kg		91	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

GC VOA

Prep Batch: 130685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-130685/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 130947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9449-1	HA-1	Total/NA	Solid	5035	
890-9449-2	HA-1	Total/NA	Solid	5035	
890-9449-3	HA-1	Total/NA	Solid	5035	
890-9449-4	HA-2	Total/NA	Solid	5035	
890-9449-5	HA-2	Total/NA	Solid	5035	
890-9449-6	HA-2	Total/NA	Solid	5035	
890-9449-7	HA-3	Total/NA	Solid	5035	
890-9449-8	HA-3	Total/NA	Solid	5035	
890-9449-9	HA-12	Total/NA	Solid	5035	
890-9449-10	HA-12	Total/NA	Solid	5035	
890-9449-11	HA-12	Total/NA	Solid	5035	
890-9449-12	HA-5	Total/NA	Solid	5035	
890-9449-13	HA-5	Total/NA	Solid	5035	
890-9449-14	HA-6	Total/NA	Solid	5035	
890-9449-15	HA-6	Total/NA	Solid	5035	
890-9449-16	HA-11	Total/NA	Solid	5035	
890-9449-17	HA-11	Total/NA	Solid	5035	
890-9449-18	HA-11	Total/NA	Solid	5035	
890-9449-19	HA-4	Total/NA	Solid	5035	
890-9449-20	HA-4	Total/NA	Solid	5035	
MB 880-130947/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-130947/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-130947/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9449-1 MS	HA-1	Total/NA	Solid	5035	
890-9449-1 MSD	HA-1	Total/NA	Solid	5035	

Analysis Batch: 131028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9449-1	HA-1	Total/NA	Solid	8021B	130947
890-9449-2	HA-1	Total/NA	Solid	8021B	130947
890-9449-3	HA-1	Total/NA	Solid	8021B	130947
890-9449-4	HA-2	Total/NA	Solid	8021B	130947
890-9449-5	HA-2	Total/NA	Solid	8021B	130947
890-9449-6	HA-2	Total/NA	Solid	8021B	130947
890-9449-7	HA-3	Total/NA	Solid	8021B	130947
890-9449-8	HA-3	Total/NA	Solid	8021B	130947
890-9449-9	HA-12	Total/NA	Solid	8021B	130947
890-9449-10	HA-12	Total/NA	Solid	8021B	130947
890-9449-11	HA-12	Total/NA	Solid	8021B	130947
890-9449-12	HA-5	Total/NA	Solid	8021B	130947
890-9449-13	HA-5	Total/NA	Solid	8021B	130947
890-9449-14	HA-6	Total/NA	Solid	8021B	130947
890-9449-15	HA-6	Total/NA	Solid	8021B	130947
890-9449-16	HA-11	Total/NA	Solid	8021B	130947
890-9449-17	HA-11	Total/NA	Solid	8021B	130947
890-9449-18	HA-11	Total/NA	Solid	8021B	130947
890-9449-19	HA-4	Total/NA	Solid	8021B	130947

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 131028 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9449-20	HA-4	Total/NA	Solid	8021B	130947
MB 880-130685/5-A	Method Blank	Total/NA	Solid	8021B	130685
MB 880-130947/5-A	Method Blank	Total/NA	Solid	8021B	130947
LCS 880-130947/1-A	Lab Control Sample	Total/NA	Solid	8021B	130947
LCSD 880-130947/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	130947
890-9449-1 MS	HA-1	Total/NA	Solid	8021B	130947
890-9449-1 MSD	HA-1	Total/NA	Solid	8021B	130947

Prep Batch: 131151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9449-21	HA-4	Total/NA	Solid	5035	
MB 880-131151/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-131151/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-131151/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 131152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9449-21	HA-4	Total/NA	Solid	8021B	131151
MB 880-131151/5-A	Method Blank	Total/NA	Solid	8021B	131151
LCS 880-131151/1-A	Lab Control Sample	Total/NA	Solid	8021B	131151
LCSD 880-131151/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	131151

Analysis Batch: 131231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9449-1	HA-1	Total/NA	Solid	Total BTEX	
890-9449-2	HA-1	Total/NA	Solid	Total BTEX	
890-9449-3	HA-1	Total/NA	Solid	Total BTEX	
890-9449-4	HA-2	Total/NA	Solid	Total BTEX	
890-9449-5	HA-2	Total/NA	Solid	Total BTEX	
890-9449-6	HA-2	Total/NA	Solid	Total BTEX	
890-9449-7	HA-3	Total/NA	Solid	Total BTEX	
890-9449-8	HA-3	Total/NA	Solid	Total BTEX	
890-9449-9	HA-12	Total/NA	Solid	Total BTEX	
890-9449-10	HA-12	Total/NA	Solid	Total BTEX	
890-9449-11	HA-12	Total/NA	Solid	Total BTEX	
890-9449-12	HA-5	Total/NA	Solid	Total BTEX	
890-9449-13	HA-5	Total/NA	Solid	Total BTEX	
890-9449-14	HA-6	Total/NA	Solid	Total BTEX	
890-9449-15	HA-6	Total/NA	Solid	Total BTEX	
890-9449-16	HA-11	Total/NA	Solid	Total BTEX	
890-9449-17	HA-11	Total/NA	Solid	Total BTEX	
890-9449-18	HA-11	Total/NA	Solid	Total BTEX	
890-9449-19	HA-4	Total/NA	Solid	Total BTEX	
890-9449-20	HA-4	Total/NA	Solid	Total BTEX	
890-9449-21	HA-4	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 130875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9449-1	HA-1	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 130875 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9449-2	HA-1	Total/NA	Solid	8015NM Prep	
890-9449-3	HA-1	Total/NA	Solid	8015NM Prep	
890-9449-4	HA-2	Total/NA	Solid	8015NM Prep	
890-9449-5	HA-2	Total/NA	Solid	8015NM Prep	
890-9449-6	HA-2	Total/NA	Solid	8015NM Prep	
890-9449-7	HA-3	Total/NA	Solid	8015NM Prep	
890-9449-8	HA-3	Total/NA	Solid	8015NM Prep	
890-9449-9	HA-12	Total/NA	Solid	8015NM Prep	
890-9449-10	HA-12	Total/NA	Solid	8015NM Prep	
890-9449-11	HA-12	Total/NA	Solid	8015NM Prep	
890-9449-12	HA-5	Total/NA	Solid	8015NM Prep	
890-9449-13	HA-5	Total/NA	Solid	8015NM Prep	
890-9449-14	HA-6	Total/NA	Solid	8015NM Prep	
890-9449-15	HA-6	Total/NA	Solid	8015NM Prep	
890-9449-16	HA-11	Total/NA	Solid	8015NM Prep	
890-9449-17	HA-11	Total/NA	Solid	8015NM Prep	
890-9449-18	HA-11	Total/NA	Solid	8015NM Prep	
MB 880-130875/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-130875/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-130875/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 130877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9449-19	HA-4	Total/NA	Solid	8015NM Prep	
890-9449-20	HA-4	Total/NA	Solid	8015NM Prep	
890-9449-21	HA-4	Total/NA	Solid	8015NM Prep	
MB 880-130877/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-130877/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-130877/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9449-19 MS	HA-4	Total/NA	Solid	8015NM Prep	
890-9449-19 MSD	HA-4	Total/NA	Solid	8015NM Prep	

Analysis Batch: 131350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9449-1	HA-1	Total/NA	Solid	8015B NM	130875
890-9449-2	HA-1	Total/NA	Solid	8015B NM	130875
890-9449-3	HA-1	Total/NA	Solid	8015B NM	130875
890-9449-4	HA-2	Total/NA	Solid	8015B NM	130875
890-9449-5	HA-2	Total/NA	Solid	8015B NM	130875
890-9449-6	HA-2	Total/NA	Solid	8015B NM	130875
890-9449-7	HA-3	Total/NA	Solid	8015B NM	130875
890-9449-8	HA-3	Total/NA	Solid	8015B NM	130875
890-9449-9	HA-12	Total/NA	Solid	8015B NM	130875
890-9449-10	HA-12	Total/NA	Solid	8015B NM	130875
890-9449-11	HA-12	Total/NA	Solid	8015B NM	130875
890-9449-12	HA-5	Total/NA	Solid	8015B NM	130875
890-9449-13	HA-5	Total/NA	Solid	8015B NM	130875
890-9449-14	HA-6	Total/NA	Solid	8015B NM	130875
890-9449-15	HA-6	Total/NA	Solid	8015B NM	130875
890-9449-16	HA-11	Total/NA	Solid	8015B NM	130875
890-9449-17	HA-11	Total/NA	Solid	8015B NM	130875

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 131350 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9449-18	HA-11	Total/NA	Solid	8015B NM	130875
MB 880-130875/1-A	Method Blank	Total/NA	Solid	8015B NM	130875
LCS 880-130875/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	130875
LCSD 880-130875/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	130875

Analysis Batch: 131368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9449-19	HA-4	Total/NA	Solid	8015B NM	130877
890-9449-20	HA-4	Total/NA	Solid	8015B NM	130877
890-9449-21	HA-4	Total/NA	Solid	8015B NM	130877
MB 880-130877/1-A	Method Blank	Total/NA	Solid	8015B NM	130877
LCS 880-130877/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	130877
LCSD 880-130877/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	130877
890-9449-19 MS	HA-4	Total/NA	Solid	8015B NM	130877
890-9449-19 MSD	HA-4	Total/NA	Solid	8015B NM	130877

Analysis Batch: 131509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9449-1	HA-1	Total/NA	Solid	8015 NM	
890-9449-2	HA-1	Total/NA	Solid	8015 NM	
890-9449-3	HA-1	Total/NA	Solid	8015 NM	
890-9449-4	HA-2	Total/NA	Solid	8015 NM	
890-9449-5	HA-2	Total/NA	Solid	8015 NM	
890-9449-6	HA-2	Total/NA	Solid	8015 NM	
890-9449-7	HA-3	Total/NA	Solid	8015 NM	
890-9449-8	HA-3	Total/NA	Solid	8015 NM	
890-9449-9	HA-12	Total/NA	Solid	8015 NM	
890-9449-10	HA-12	Total/NA	Solid	8015 NM	
890-9449-11	HA-12	Total/NA	Solid	8015 NM	
890-9449-12	HA-5	Total/NA	Solid	8015 NM	
890-9449-13	HA-5	Total/NA	Solid	8015 NM	
890-9449-14	HA-6	Total/NA	Solid	8015 NM	
890-9449-15	HA-6	Total/NA	Solid	8015 NM	
890-9449-16	HA-11	Total/NA	Solid	8015 NM	
890-9449-17	HA-11	Total/NA	Solid	8015 NM	
890-9449-18	HA-11	Total/NA	Solid	8015 NM	
890-9449-19	HA-4	Total/NA	Solid	8015 NM	
890-9449-20	HA-4	Total/NA	Solid	8015 NM	
890-9449-21	HA-4	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 130882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9449-16	HA-11	Soluble	Solid	DI Leach	
890-9449-17	HA-11	Soluble	Solid	DI Leach	
890-9449-18	HA-11	Soluble	Solid	DI Leach	
890-9449-19	HA-4	Soluble	Solid	DI Leach	
890-9449-20	HA-4	Soluble	Solid	DI Leach	
890-9449-21	HA-4	Soluble	Solid	DI Leach	
MB 880-130882/1-A	Method Blank	Soluble	Solid	DI Leach	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 130882 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-130882/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-130882/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9449-16 MS	HA-11	Soluble	Solid	DI Leach	
890-9449-16 MSD	HA-11	Soluble	Solid	DI Leach	

Leach Batch: 130883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9449-1	HA-1	Soluble	Solid	DI Leach	
890-9449-2	HA-1	Soluble	Solid	DI Leach	
890-9449-3	HA-1	Soluble	Solid	DI Leach	
890-9449-4	HA-2	Soluble	Solid	DI Leach	
890-9449-5	HA-2	Soluble	Solid	DI Leach	
890-9449-6	HA-2	Soluble	Solid	DI Leach	
890-9449-7	HA-3	Soluble	Solid	DI Leach	
890-9449-8	HA-3	Soluble	Solid	DI Leach	
890-9449-9	HA-12	Soluble	Solid	DI Leach	
890-9449-10	HA-12	Soluble	Solid	DI Leach	
890-9449-11	HA-12	Soluble	Solid	DI Leach	
890-9449-12	HA-5	Soluble	Solid	DI Leach	
890-9449-13	HA-5	Soluble	Solid	DI Leach	
890-9449-14	HA-6	Soluble	Solid	DI Leach	
890-9449-15	HA-6	Soluble	Solid	DI Leach	
MB 880-130883/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-130883/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-130883/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9449-6 MS	HA-2	Soluble	Solid	DI Leach	
890-9449-6 MSD	HA-2	Soluble	Solid	DI Leach	

Analysis Batch: 130927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9449-1	HA-1	Soluble	Solid	300.0	130883
890-9449-2	HA-1	Soluble	Solid	300.0	130883
890-9449-3	HA-1	Soluble	Solid	300.0	130883
890-9449-4	HA-2	Soluble	Solid	300.0	130883
890-9449-5	HA-2	Soluble	Solid	300.0	130883
890-9449-6	HA-2	Soluble	Solid	300.0	130883
890-9449-7	HA-3	Soluble	Solid	300.0	130883
890-9449-8	HA-3	Soluble	Solid	300.0	130883
890-9449-9	HA-12	Soluble	Solid	300.0	130883
890-9449-10	HA-12	Soluble	Solid	300.0	130883
890-9449-11	HA-12	Soluble	Solid	300.0	130883
890-9449-12	HA-5	Soluble	Solid	300.0	130883
890-9449-13	HA-5	Soluble	Solid	300.0	130883
890-9449-14	HA-6	Soluble	Solid	300.0	130883
890-9449-15	HA-6	Soluble	Solid	300.0	130883
MB 880-130883/1-A	Method Blank	Soluble	Solid	300.0	130883
LCS 880-130883/2-A	Lab Control Sample	Soluble	Solid	300.0	130883
LCSD 880-130883/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	130883
890-9449-6 MS	HA-2	Soluble	Solid	300.0	130883
890-9449-6 MSD	HA-2	Soluble	Solid	300.0	130883

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

HPLC/IC

Analysis Batch: 130935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9449-16	HA-11	Soluble	Solid	300.0	130882
890-9449-17	HA-11	Soluble	Solid	300.0	130882
890-9449-18	HA-11	Soluble	Solid	300.0	130882
890-9449-19	HA-4	Soluble	Solid	300.0	130882
890-9449-20	HA-4	Soluble	Solid	300.0	130882
890-9449-21	HA-4	Soluble	Solid	300.0	130882
MB 880-130882/1-A	Method Blank	Soluble	Solid	300.0	130882
LCS 880-130882/2-A	Lab Control Sample	Soluble	Solid	300.0	130882
LCSD 880-130882/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	130882
890-9449-16 MS	HA-11	Soluble	Solid	300.0	130882
890-9449-16 MSD	HA-11	Soluble	Solid	300.0	130882

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

Client Sample ID: HA-1
Date Collected: 02/03/26 10:50
Date Received: 02/04/26 14:50

Lab Sample ID: 890-9449-1
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	130947	02/05/26 12:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131028	02/07/26 00:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131231	02/07/26 00:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			131509	02/10/26 16:51	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	130875	02/05/26 08:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131350	02/10/26 16:51	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	130883	02/05/26 08:41	SI	EET MID
Soluble	Analysis	300.0		5			130927	02/05/26 19:01	CS	EET MID

Client Sample ID: HA-1
Date Collected: 02/03/26 10:55
Date Received: 02/04/26 14:50

Lab Sample ID: 890-9449-2
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	130947	02/05/26 12:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131028	02/07/26 00:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131231	02/07/26 00:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			131509	02/10/26 17:06	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	130875	02/05/26 08:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131350	02/10/26 17:06	SA	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	130883	02/05/26 08:41	SI	EET MID
Soluble	Analysis	300.0		5			130927	02/05/26 19:07	CS	EET MID

Client Sample ID: HA-1
Date Collected: 02/03/26 11:00
Date Received: 02/04/26 14:50

Lab Sample ID: 890-9449-3
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			4.95 g	5 mL	130947	02/05/26 12:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131028	02/07/26 00:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131231	02/07/26 00:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			131509	02/10/26 17:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	130875	02/05/26 08:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131350	02/10/26 17:19	SA	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	130883	02/05/26 08:41	SI	EET MID
Soluble	Analysis	300.0		5			130927	02/05/26 19:14	CS	EET MID

Client Sample ID: HA-2
Date Collected: 02/03/26 11:05
Date Received: 02/04/26 14:50

Lab Sample ID: 890-9449-4
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	130947	02/05/26 12:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131028	02/07/26 01:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131231	02/07/26 01:17	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

Client Sample ID: HA-2
Date Collected: 02/03/26 11:05
Date Received: 02/04/26 14:50

Lab Sample ID: 890-9449-4
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			131509	02/10/26 17:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	130875	02/05/26 08:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131350	02/10/26 17:34	SA	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	130883	02/05/26 08:41	SI	EET MID
Soluble	Analysis	300.0		1			130927	02/05/26 19:21	CS	EET MID

Client Sample ID: HA-2
Date Collected: 02/03/26 11:10
Date Received: 02/04/26 14:50

Lab Sample ID: 890-9449-5
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	130947	02/05/26 12:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131028	02/07/26 01:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131231	02/07/26 01:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			131509	02/10/26 17:48	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	130875	02/05/26 08:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131350	02/10/26 17:48	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	130883	02/05/26 08:41	SI	EET MID
Soluble	Analysis	300.0		1			130927	02/05/26 19:27	CS	EET MID

Client Sample ID: HA-2
Date Collected: 02/03/26 11:15
Date Received: 02/04/26 14:50

Lab Sample ID: 890-9449-6
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	130947	02/05/26 12:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131028	02/07/26 01:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131231	02/07/26 01:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			131509	02/10/26 18:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	130875	02/05/26 08:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131350	02/10/26 18:02	SA	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	130883	02/05/26 08:41	SI	EET MID
Soluble	Analysis	300.0		5			130927	02/05/26 19:34	CS	EET MID

Client Sample ID: HA-3
Date Collected: 02/03/26 11:20
Date Received: 02/04/26 14:50

Lab Sample ID: 890-9449-7
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	130947	02/05/26 12:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131028	02/07/26 02:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131231	02/07/26 02:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			131509	02/10/26 18:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	130875	02/05/26 08:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131350	02/10/26 18:16	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

Client Sample ID: HA-3
Date Collected: 02/03/26 11:20
Date Received: 02/04/26 14:50

Lab Sample ID: 890-9449-7
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			5.00 g	50 mL	130883	02/05/26 08:41	SI	EET MID
Soluble	Analysis	300.0		1			130927	02/05/26 19:54	CS	EET MID

Client Sample ID: HA-3
Date Collected: 02/03/26 11:25
Date Received: 02/04/26 14:50

Lab Sample ID: 890-9449-8
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			4.99 g	5 mL	130947	02/05/26 12:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131028	02/07/26 02:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131231	02/07/26 02:39	SA	EET MID
Total/NA	Analysis	8015 NM		1			131509	02/10/26 18:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	130875	02/05/26 08:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131350	02/10/26 18:32	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	130883	02/05/26 08:41	SI	EET MID
Soluble	Analysis	300.0		1			130927	02/05/26 20:01	CS	EET MID

Client Sample ID: HA-12
Date Collected: 02/03/26 11:30
Date Received: 02/04/26 14:50

Lab Sample ID: 890-9449-9
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	130947	02/05/26 12:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131028	02/07/26 03:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131231	02/07/26 03:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			131509	02/10/26 19:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	130875	02/05/26 08:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131350	02/10/26 19:00	SA	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	130883	02/05/26 08:41	SI	EET MID
Soluble	Analysis	300.0		1			130927	02/05/26 20:21	CS	EET MID

Client Sample ID: HA-12
Date Collected: 02/03/26 11:35
Date Received: 02/04/26 14:50

Lab Sample ID: 890-9449-10
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	130947	02/05/26 12:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131028	02/07/26 03:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131231	02/07/26 03:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			131509	02/10/26 19:13	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	130875	02/05/26 08:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131350	02/10/26 19:13	SA	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	130883	02/05/26 08:41	SI	EET MID
Soluble	Analysis	300.0		1			130927	02/05/26 20:28	CS	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

Client Sample ID: HA-12

Date Collected: 02/03/26 11:40
Date Received: 02/04/26 14:50

Lab Sample ID: 890-9449-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	130947	02/05/26 12:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131028	02/07/26 05:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131231	02/07/26 05:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			131509	02/10/26 19:29	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	130875	02/05/26 08:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131350	02/10/26 19:29	SA	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	130883	02/05/26 08:41	SI	EET MID
Soluble	Analysis	300.0		1			130927	02/05/26 20:34	CS	EET MID

Client Sample ID: HA-5

Date Collected: 02/03/26 11:45
Date Received: 02/04/26 14:50

Lab Sample ID: 890-9449-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	130947	02/05/26 12:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131028	02/07/26 05:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131231	02/07/26 05:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			131509	02/10/26 19:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	130875	02/05/26 08:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131350	02/10/26 19:42	SA	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	130883	02/05/26 08:41	SI	EET MID
Soluble	Analysis	300.0		1			130927	02/05/26 20:41	CS	EET MID

Client Sample ID: HA-5

Date Collected: 02/03/26 11:50
Date Received: 02/04/26 14:50

Lab Sample ID: 890-9449-13
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	130947	02/05/26 12:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131028	02/07/26 05:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131231	02/07/26 05:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			131509	02/10/26 19:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	130875	02/05/26 08:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131350	02/10/26 19:58	SA	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	130883	02/05/26 08:41	SI	EET MID
Soluble	Analysis	300.0		1			130927	02/05/26 20:48	CS	EET MID

Client Sample ID: HA-6

Date Collected: 02/03/26 11:55
Date Received: 02/04/26 14:50

Lab Sample ID: 890-9449-14
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	130947	02/05/26 12:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131028	02/07/26 06:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131231	02/07/26 06:12	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

Client Sample ID: HA-6
Date Collected: 02/03/26 11:55
Date Received: 02/04/26 14:50

Lab Sample ID: 890-9449-14
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			131509	02/10/26 20:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	130875	02/05/26 08:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131350	02/10/26 20:11	SA	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	130883	02/05/26 08:41	SI	EET MID
Soluble	Analysis	300.0		1			130927	02/05/26 20:54	CS	EET MID

Client Sample ID: HA-6
Date Collected: 02/03/26 12:00
Date Received: 02/04/26 14:50

Lab Sample ID: 890-9449-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	130947	02/05/26 12:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131028	02/07/26 06:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131231	02/07/26 06:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			131509	02/10/26 20:26	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	130875	02/05/26 08:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131350	02/10/26 20:26	SA	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	130883	02/05/26 08:41	SI	EET MID
Soluble	Analysis	300.0		1			130927	02/05/26 21:01	CS	EET MID

Client Sample ID: HA-11
Date Collected: 02/03/26 12:05
Date Received: 02/04/26 14:50

Lab Sample ID: 890-9449-16
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	130947	02/05/26 12:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131028	02/07/26 06:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131231	02/07/26 06:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			131509	02/10/26 20:39	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	130875	02/05/26 08:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131350	02/10/26 20:39	SA	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	130882	02/05/26 08:39	SI	EET MID
Soluble	Analysis	300.0		1			130935	02/05/26 18:20	CS	EET MID

Client Sample ID: HA-11
Date Collected: 02/03/26 12:10
Date Received: 02/04/26 14:50

Lab Sample ID: 890-9449-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	130947	02/05/26 12:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131028	02/07/26 07:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131231	02/07/26 07:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			131509	02/10/26 20:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	130875	02/05/26 08:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131350	02/10/26 20:54	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

Client Sample ID: HA-11
Date Collected: 02/03/26 12:10
Date Received: 02/04/26 14:50

Lab Sample ID: 890-9449-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	130882	02/05/26 08:39	SI	EET MID
Soluble	Analysis	300.0		1			130935	02/05/26 18:41	CS	EET MID

Client Sample ID: HA-11
Date Collected: 02/03/26 12:15
Date Received: 02/04/26 14:50

Lab Sample ID: 890-9449-18
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	130947	02/05/26 12:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131028	02/07/26 07:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131231	02/07/26 07:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			131509	02/10/26 21:07	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	130875	02/05/26 08:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131350	02/10/26 21:07	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	130882	02/05/26 08:39	SI	EET MID
Soluble	Analysis	300.0		1			130935	02/05/26 18:48	CS	EET MID

Client Sample ID: HA-4
Date Collected: 02/03/26 12:20
Date Received: 02/04/26 14:50

Lab Sample ID: 890-9449-19
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	130947	02/05/26 12:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131028	02/07/26 07:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131231	02/07/26 07:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			131509	02/10/26 17:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	130877	02/05/26 08:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131368	02/10/26 17:19	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	130882	02/05/26 08:39	SI	EET MID
Soluble	Analysis	300.0		1			130935	02/05/26 18:55	CS	EET MID

Client Sample ID: HA-4
Date Collected: 02/03/26 12:25
Date Received: 02/04/26 14:50

Lab Sample ID: 890-9449-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	130947	02/05/26 12:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131028	02/07/26 08:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131231	02/07/26 08:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			131509	02/10/26 18:03	SA	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10.00 mL	130877	02/05/26 08:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131368	02/10/26 18:03	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	130882	02/05/26 08:39	SI	EET MID
Soluble	Analysis	300.0		1			130935	02/05/26 19:02	CS	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

Client Sample ID: HA-4

Date Collected: 02/03/26 12:30
Date Received: 02/04/26 14:50

Lab Sample ID: 890-9449-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	131151	02/07/26 16:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131152	02/08/26 22:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131231	02/08/26 22:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			131509	02/10/26 18:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	130877	02/05/26 08:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131368	02/10/26 18:18	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	130882	02/05/26 08:39	SI	EET MID
Soluble	Analysis	300.0		1			130935	02/05/26 19:22	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-9449-1
Project/Site: Boomslang 14 CTB 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: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
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: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9449-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9449-1	HA-1	Solid	02/03/26 10:50	02/04/26 14:50	0.5
890-9449-2	HA-1	Solid	02/03/26 10:55	02/04/26 14:50	1
890-9449-3	HA-1	Solid	02/03/26 11:00	02/04/26 14:50	2
890-9449-4	HA-2	Solid	02/03/26 11:05	02/04/26 14:50	0.5
890-9449-5	HA-2	Solid	02/03/26 11:10	02/04/26 14:50	1
890-9449-6	HA-2	Solid	02/03/26 11:15	02/04/26 14:50	2
890-9449-7	HA-3	Solid	02/03/26 11:20	02/04/26 14:50	0.5
890-9449-8	HA-3	Solid	02/03/26 11:25	02/04/26 14:50	1
890-9449-9	HA-12	Solid	02/03/26 11:30	02/04/26 14:50	0.5
890-9449-10	HA-12	Solid	02/03/26 11:35	02/04/26 14:50	1
890-9449-11	HA-12	Solid	02/03/26 11:40	02/04/26 14:50	2
890-9449-12	HA-5	Solid	02/03/26 11:45	02/04/26 14:50	0.5
890-9449-13	HA-5	Solid	02/03/26 11:50	02/04/26 14:50	1
890-9449-14	HA-6	Solid	02/03/26 11:55	02/04/26 14:50	0.5
890-9449-15	HA-6	Solid	02/03/26 12:00	02/04/26 14:50	1
890-9449-16	HA-11	Solid	02/03/26 12:05	02/04/26 14:50	0.5
890-9449-17	HA-11	Solid	02/03/26 12:10	02/04/26 14:50	1
890-9449-18	HA-11	Solid	02/03/26 12:15	02/04/26 14:50	2
890-9449-19	HA-4	Solid	02/03/26 12:20	02/04/26 14:50	0.5
890-9449-20	HA-4	Solid	02/03/26 12:25	02/04/26 14:50	1
890-9449-21	HA-4	Solid	02/03/26 12:30	02/04/26 14:50	2

eurofins | Environment Testing Xenco

Chain of Custody

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

Wo 890-9449 Chain of Custody

www.xenco.com Page 1 of 2

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net, sgiron@earthsys.net

Work Order Comments

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

Project Name:	Boomslang 14 CTB 1	**Turn Around**	
Project Number:	342	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron, Michael Benini	TAT starts the day received by the lab, if received by 4:30pm	
CC/ WO #:	21574752		

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	Inmac
Cooler Custody Seals:	Yes No N/A	Correction Factor:	0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-10.6
Total Containers:		Corrected Temperature:	-10.4

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	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Parameters: TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
HA-1	S	2.3.26	10:50	0.5	Grab/	1	X	X	X			Incident Number
HA-1	S	2.3.26	10:55	1	Grab/	1	X	X	X			nAPP2511542418
HA-1	S	2.3.26	11:00	2	Grab/	1	X	X	X			
HA-2	S	2.3.26	11:05	0.5	Grab/	1	X	X	X			
HA-2	S	2.3.26	11:10	1	Grab/	1	X	X	X			
HA-2	S	2.3.26	11:15	2	Grab/	1	X	X	X			
HA-3	S	2.3.26	11:20	0.5	Grab/	1	X	X	X			
HA-3	S	2.3.26	11:25	1	Grab/	1	X	X	X			
HA-12	S	2.3.26	11:30	0.5	Grab/	1	X	X	X			
HA-12	S	2.3.26	11:35	1	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 Michael Benini	Sunny	2/4 1450	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

eurofins | Environment Testing Xenco

Chain of Custody

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

Work Order No: _____

www.xenco.com Page 2 of 3

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net, sgiron@earthsys.net

Work Order Comments

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

Project Name:	Boomslang 14 CTB 1	**Turn Around**	
Project Number:	342	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron, Michael Benini	TAT starts the day received by the lab, if received by 4:30pm	
CC/ WO #:	21574752		

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	Inmcc
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-10.6
Total Containers:		Corrected Temperature:	-10.4

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	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
HA-12	S	2.3.26	11:40	2	Grab/	1		X	X	X			Incident Number
HA-5	S	2.3.26	11:45	0.5	Grab/	1		X	X	X			nAPP2511542418
HA-5	S	2.3.26	11:50	1	Grab/	1		X	X	X			
HA-6	S	2.3.26	11:55	0.5	Grab/	1		X	X	X			
HA-6	S	2.3.26	12:00	1	Grab/	1		X	X	X			
HA-11	S	2.3.26	12:05	0.5	Grab/	1		X	X	X			
HA-11	S	2.3.26	12:10	1	Grab/	1		X	X	X			
HA-11	S	2.3.26	12:15	2	Grab/	1		X	X	X			
HA-4	S	2.3.26	12:20	0.5	Grab/	1		X	X	X			
HA-4	S	2.3.26	12:25	1	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 Michael Benini	Bruno	2/4 1450	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

eurofins | Environment Testing Xenco

Chain of Custody

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

Work Order No: _____

www.xenco.com Page 3 of 3

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net, sgiron@earthsys.net

Work Order Comments

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

Project Name:	Boomslang 14 CTB 1	**Turn Around**	
Project Number:	342	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron, Michael Benini	TAT starts the day received by the lab, if received by 4:30pm	
CC/ WO #:	21574752		

SAMPLE RECEIPT			
Temp Blank:	~~Yes~~ No	Wet Ice:	Yes ~~No~~
Samples Received Intact:	~~Yes~~ No	Thermometer ID:	Inmec
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No ~~N/A~~	Temperature Reading:	-10.6
Total Containers:		Corrected Temperature:	-10.4

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	
HA-4	S	2.3.26	12:30	2	Grab/	1		X	X	X			

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 Comments

Incident Number
nAPP2511542418

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Michael Benini	Burn	2/4 1455	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-6447 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna Teel@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-9449-1
Address: 1211 W Florida Ave, ,	Due Date Requested: 2/10/2026			Preservation Codes: -
City: Midland	TAT Requested (days): N/A			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Boomslang 14 CTB 1	Project #: 88001228			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total_BTEX_GCV	8021B/5035FP_CalcBTEX	300_ORGFM_28D/DI_LEACH/Chloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep8015 NM								Total Number of containers	Special Instructions/Note:
			Preservation Code:																	
HA-1 (890-9449-1)	2/3/26	10:50 Mountain	G	Solid			X	X	X	X	X								1	
HA-1 (890-9449-2)	2/3/26	10 55 Mountain	G	Solid			X	X	X	X	X								1	
HA-1 (890-9449-3)	2/3/26	11 00 Mountain	G	Solid			X	X	X	X	X								1	
HA-2 (890-9449-4)	2/3/26	11 05 Mountain	G	Solid			X	X	X	X	X								1	
HA-2 (890-9449-5)	2/3/26	11 10 Mountain	G	Solid			X	X	X	X	X								1	
HA-2 (890-9449-6)	2/3/26	11 15 Mountain	G	Solid			X	X	X	X	X								1	
HA-3 (890-9449-7)	2/3/26	11.20 Mountain	G	Solid			X	X	X	X	X								1	
HA-3 (890-9449-8)	2/3/26	11.25 Mountain	G	Solid			X	X	X	X	X								1	
HA-12 (890-9449-9)	2/3/26	11 30 Mountain	G	Solid			X	X	X	X	X								1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements.

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	2/4/26 1630			2-6-26 800	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9449-1
SDG Number: Lea County, NM

Login Number: 9449
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9449-1
SDG Number: Lea County, NM

Login Number: 9449
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 02/05/26 08:10 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	

November 19, 2025

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

RE: **Boomslang 14 CTB 1 - Closure Request Report**
Incident Number: nAPP2511542418
GPS: 32.22419°, -103.54053°
Lea County, New Mexico
ESRR Project No. VP-342

To Whom It May Concern:

Earth Systems Response & Restoration (ESRR), on behalf of Devon Energy (Devon), presents the following Closure Request Report (CRR) detailing a recent liner inspection and subsequent soil sampling events associated with an inadvertent release of produced water at the Boomslang 14 CTB 1 (Site). Based on initial release response, liner inspection activities, and laboratory analytical results from recent soil sampling events, Devon is requesting No Further Action (NFA) at the Site until plugging and abandonment (P&A) or major facility reconstruction, whichever comes first.

Site Location & Incident Description

The Site is located in Unit B, Section 14, Township 24 South, Range 33 East, in Lea County, New Mexico (32.22419°, -103.54053°) and is associated with oil and gas exploration and production operations on Private Land (**Figure 1**).

On April 25, 2025, a leak developed on a pipeline, causing the release of approximately 2,332 barrels (bbls) of produced water within a lined secondary containment (LSC) and onto adjacent Devon production pad surfaces. A vacuum truck was immediately dispatched to the Site and recovered 2,330 bbls of fluids. ESRR conducted initial site assessment activities and mapped the observed release footprint on April 28, 2025, hereafter referred to as the Area of Concern (AOC) (**Figure 2**). Devon provided notice to the New Mexico Oil Conservation Division (NMOCD) on April 25, 2025, by Notification of Release (NOR) and was subsequently assigned Incident Number nAPP2511542418. A Corrective Action Form C-141 (Form C-141) was submitted on April 30, 2025.

On July 23, 2025, Devon requested an extension of the July 24, 2025, deadline to allow additional time for liner inspection and/ or delineation activities if deemed necessary. NMOCD granted a 90-day extension and updated the due date to October 21, 2025.

On October 13, 2025, Devon submitted a 48-hour Notification of Liner Inspection (Form C-141L) for October 17, 2025.

On October 20, 2025, Devon requested an additional extension of the October 21, 2025, deadline to allow remediation activities and for ESRR to complete this CRR. NMOCD granted a 30-day extension and updated the due date to November 20, 2025.

Site Characterization

ESRR characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). The following proximities were estimated:

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

Receptor details used to determine the Site characterization are included in **Figure 3** and **Figure 4**. **Referenced Well Records** for the closest depth to water well is attached.

Based on the results from the desktop review and depth to water estimated to be greater than 100 feet below ground surface (bgs), the following Closure Criteria was applied:

Constituents of Concern (COCs)	Closure Criteria‡
Chloride	20,000 milligram per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	2,500 mg/kg
Gasoline Range Organics (GRO) + Diesel Range Organics (ORO)	1,000 mg/kg
Benzene	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	50 mg/kg

‡*The reclamation concentration requirements of 600 mg/kg Chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.*
Laboratory Analytical Methods used: Environmental Protection Agency (EPA) 300.0, EPA 8015 NM, EPA 8021 B

Delineation Activities

On May 12, 2025, ESRR conducted initial delineation activities to assess the presence or absence of residual soil impacts associated with the AOC. Six delineation boreholes (HA-1 through HA-6) were advanced via hand auger within and surrounding the AOC until refusal. Delineation activities were driven by field screening soil for chloride utilizing QuanTab® test strips. A minimum of two soil samples were collected from each delineation borehole, representing the highest observed field screening concentrations and the greatest depth. Delineation soil samples were placed directly into pre-cleaned jars, packed with minimal void space, labeled, and placed on ice. The delineation soil samples were transported under strict chain-of-custody procedures to Eurofins in Carlsbad, New Mexico, for analysis of the COCs. **Photographic Documentation** of all activities is attached.

Laboratory analytical results for soil samples collected within and surrounding the AOC (HA-1, HA-3 and HA-5) were compliant with the Site Closure Criteria and the reclamation standard.
Laboratory analytical results for samples collected within and surrounding the AOC (HA-2, HA-4 and HA-6) indicated chloride was above the reclamation standard but below the Site Closure Criteria up to 2 feet bgs with chloride concentrations ranging from 854 to 10,700 mg/kg. Laboratory results are summarized in **Table 1**, included in the attachments. The locations of all delineation soil samples are shown in **Figure 5**.

Liner Inspection

On October 17, 2025, ESRR conducted a thorough visual inspection of the LSC and found signs of damage, confirming evidence of a breach to the LSC. The LSC failed inspection and was considered to not be performing as designed due to cuts and/ or tears observed (**Figure 2**). **Photographic Documentation** of liner inspection activities is attached.

Continued Delineation Activities

On November 4, 2025, ESRR conducted additional delineation activities to assess the presence or absence of residual soil impacts directly beneath the LSC and directly south of the AOC. Four delineation boreholes (HA-7 through HA-10) were advanced via hand auger. Delineation activities were driven by field screening soil for chloride as previously described. A minimum of one soil sample was collected from each delineation borehole, representing the highest observed field screening concentrations and/ or the greatest depth. Delineation soil samples were handled, transported, and analyzed as previously described. **Photographic Documentation** of all activities is attached.

Laboratory analytical results for soil samples (HA-7 and HA-10) were compliant with the Site Closure Criteria and the reclamation standard helping define the horizontal periphery of the AOC.

Laboratory analytical results for delineation soil samples (HA-8 and HA-9) were above the reclamation standard but below the Site Closure Criteria up to 2 feet bgs with chloride concentrations ranging from 882 to 1,520 mg/kg. Laboratory results are summarized in **Table 1**, included in the attachments. The locations of all delineation soil samples are shown in **Figure 5**.

Closure Request

Based on initial release response, liner inspection activities, and laboratory analytical results from recent soil sampling events, impacts associated with the inadvertent release have been delineated in accordance with the Site Closure Criteria. Due to the active status of the well pad and further review by Devon, the top 4 feet of the AOC has been determined as not ready to undergo complete reclamation in which the primary purpose is to reestablish vegetation. With depth to groundwater estimated to be greater than 100 feet bgs and no sensitive receptors within the established buffers in NMAC 19.15.29.12, Devon believes residual chloride concentrations within the AOC exceeding the reclamation standard but below the Site Closure Criteria meets the requirements set forth in NMAC 19.15.29.13 regulations and is equally protective of human health, the environment, and groundwater.

Devon will reassess the Site during P&A or major facility reconstruction activities and address soil concentrations above the reclamation requirements of 100 mg/kg TPH and 600 mg/kg chloride (**Figure 4**).

The final remediation will be confirmed via final confirmation sampling and is subject to change. As such, NFA appears warranted at this time, and Devon respectfully requests Closure of this CRR associated with Incident Number nAPP2511542418.

If you have any questions or comments, please do not hesitate to contact Gilbert Moreno at (832) 541-7719 or gmoreno@earthsys.net. **NMOCD Email Documentation & Correspondence Notifications** and **Executed Chain-of-Custody Forms and Laboratory Analytical Reports** are attached.

Sincerely,

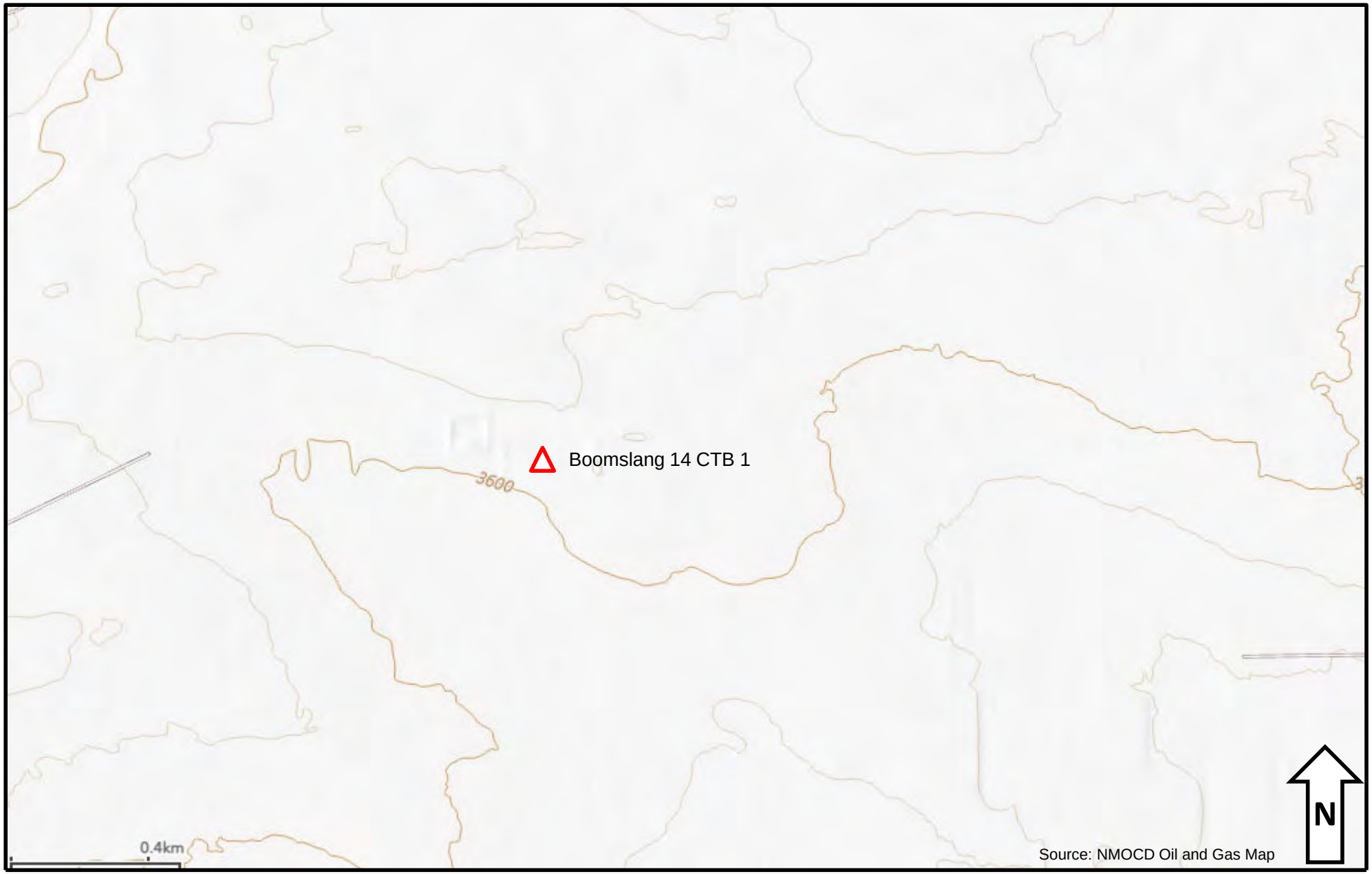
EARTH SYSTEMS RESPONSE & RESTORATION

Gilbert Moreno
Carlsbad Operations Manager/ Project Geologist

Kris Williams, CHMM, REM
Principal

cc: Jim Raley, Devon Energy
Bureau of Land Management

Attachments:
Figure 1 - Site Map
Figure 2 - Release Extent
Figure 3 - Ground Water
Figure 4 - Karst Potential
Figure 5 - Delineation Soil Sample Locations
Figure 6 - Future Restoration Area
Referenced Well Records
Photographic Documentation
Table 1 - Soil Sample Analytical Results
NMOCD Email Documentation & Correspondance
Executed Chain-of-Custody Forms and Laboratory Analytical Reports



Earth Systems
Response & Restoration

Figure 1 – Site Map

Devon Energy – Boomslang 14 CTB 1
GPS: 32.22419,-103.54053
Lea County, New Mexico

devon
WPXENERGY

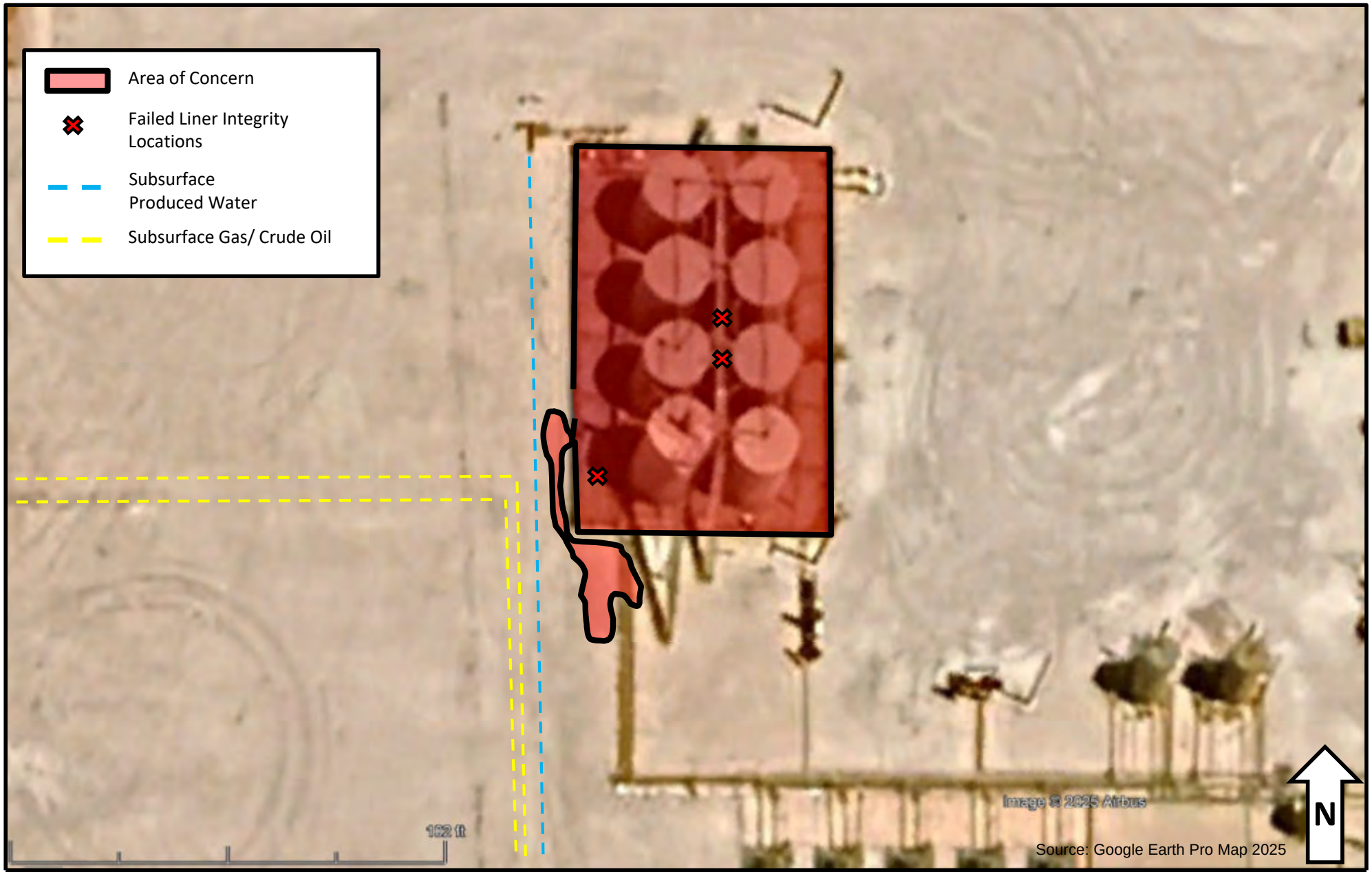
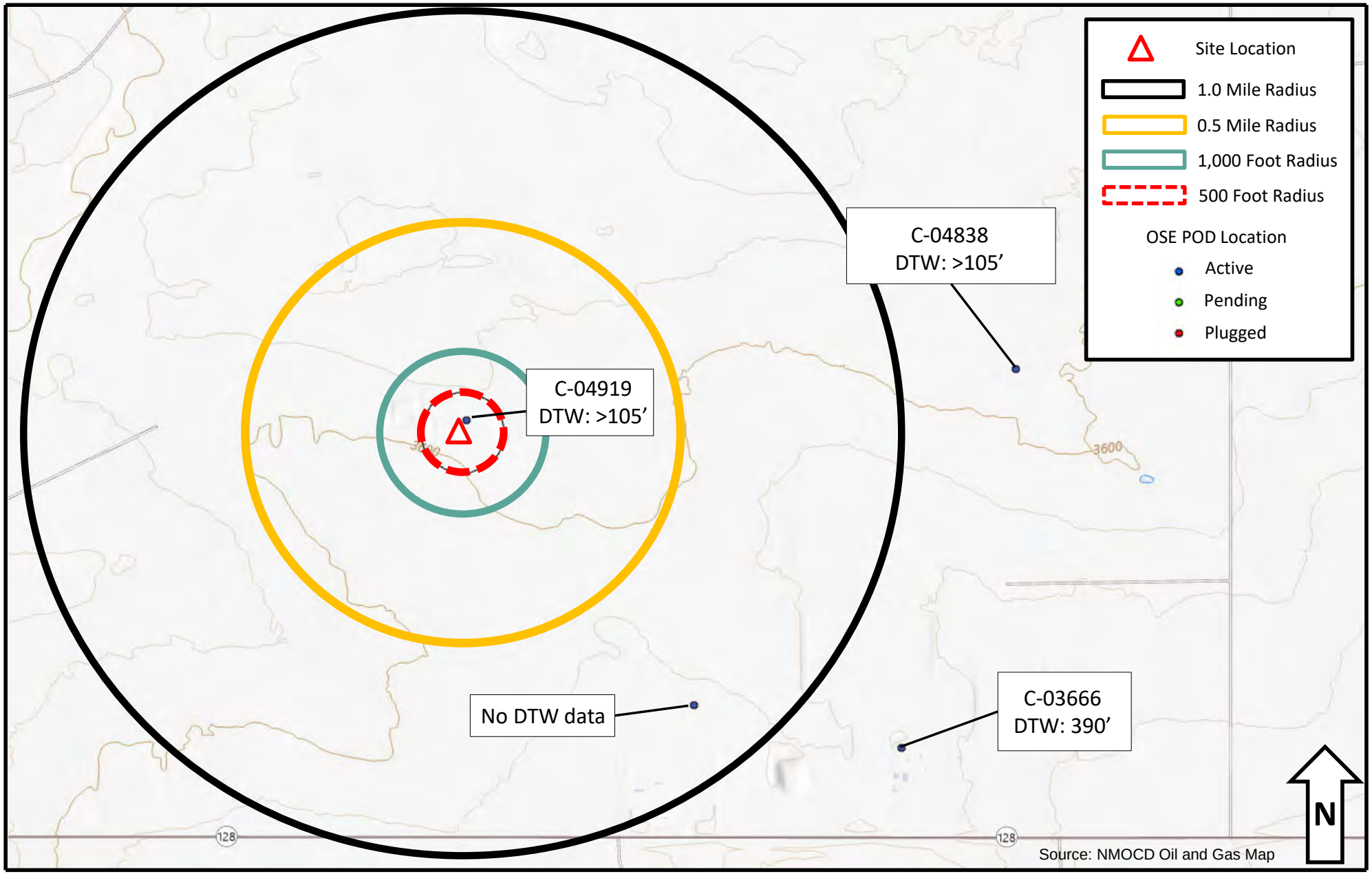


Figure 2 – Release Extent

Devon Energy – Boomslang 14 CTB 1
GPS: 32.22419,-103.54053
Lea County, New Mexico

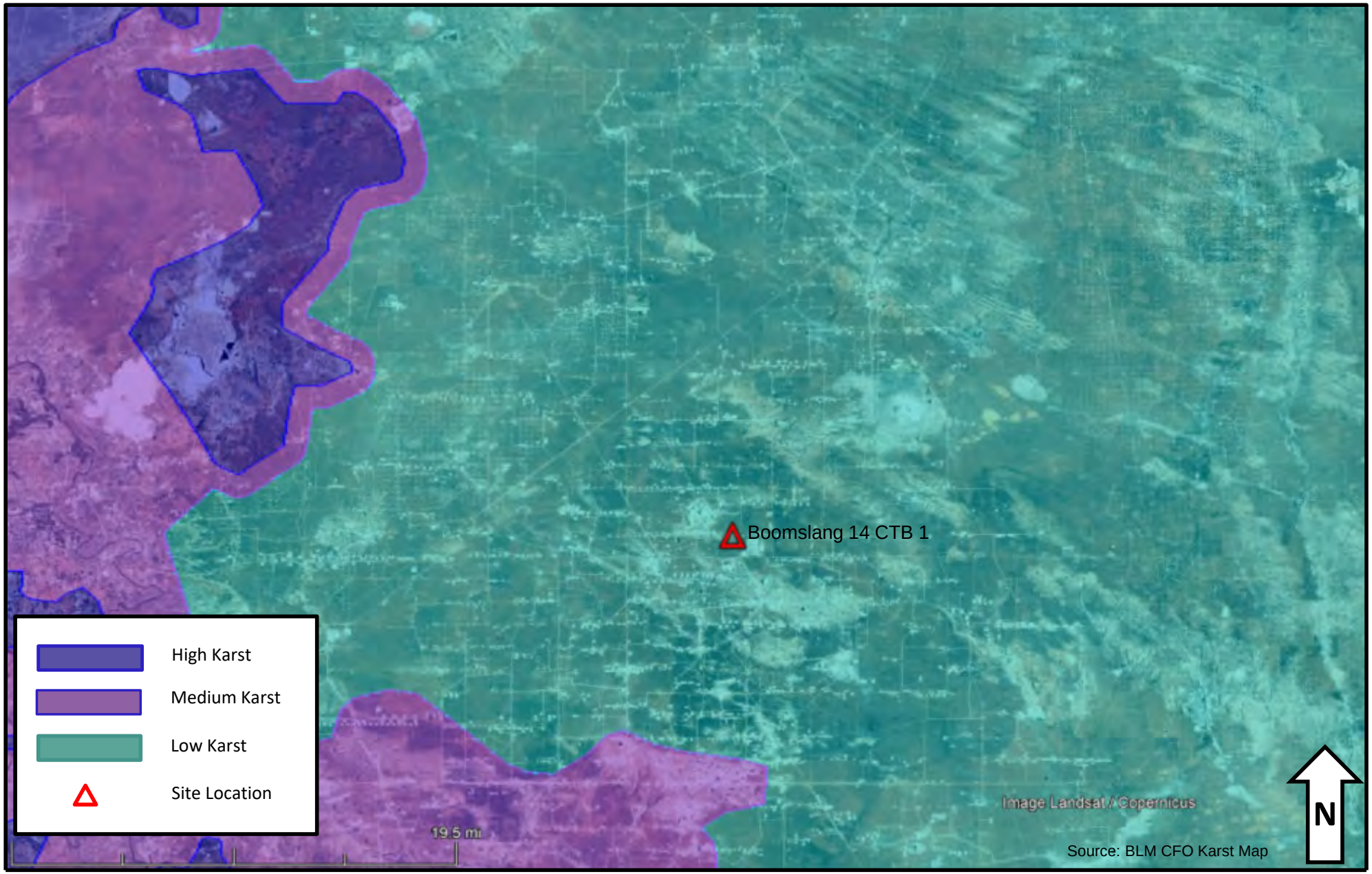


Earth Systems
Response & Restoration

Figure 3 – Ground Water

Devon Energy – Boomslang 14 CTB 1
GPS: 32.22419,-103.54053
Lea County, New Mexico

devon
WPXENERGY

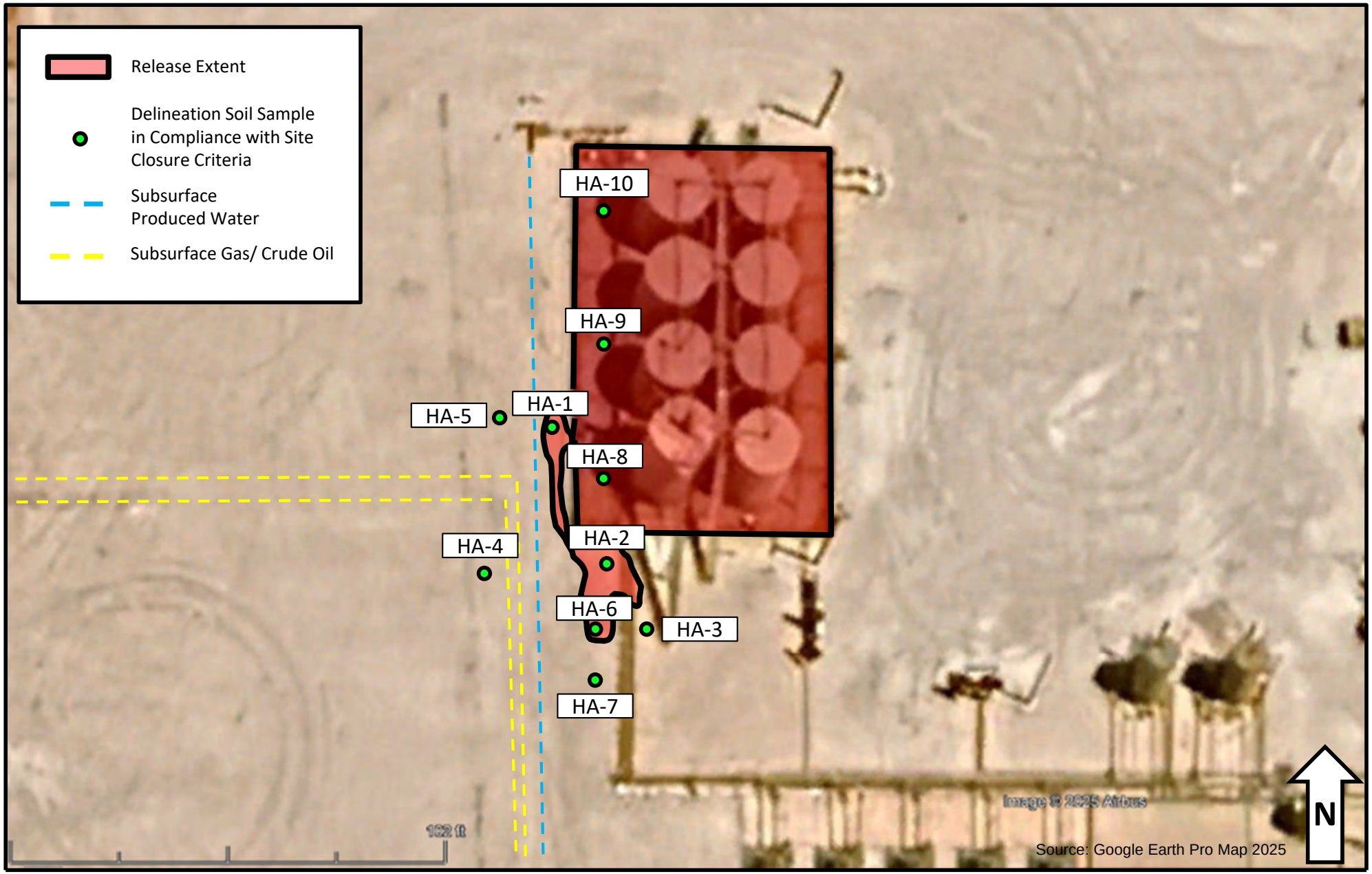


Earth Systems
Response & Restoration

Figure 4 – Karst Potential

Devon Energy – Boomslang 14 CTB 1
GPS: 32.22419,-103.54053
Lea County, New Mexico

devon
WPXENERGY

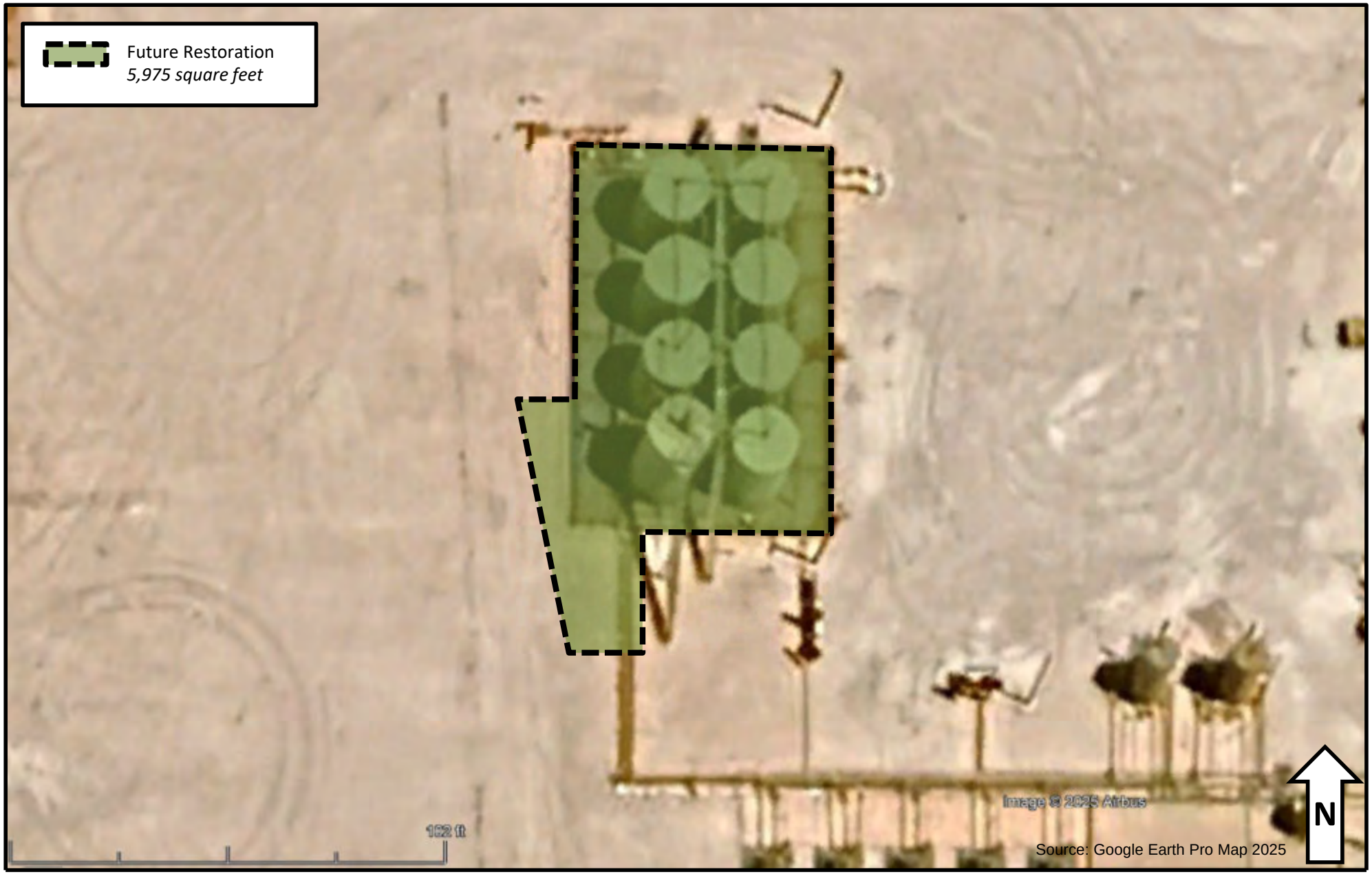


Earth Systems Response & Restoration

Figure 5 – Delineation Soil Sample Locations

Devon Energy – Boomslang 14 CTB 1
GPS: 32.22419,-103.54053
Lea County, New Mexico

devon WPXENERGY



Earth Systems
Response & Restoration

Figure 6 – Future Restoration Area

Devon Energy – Boomslang 14 CTB 1
GPS: 32.22419,-103.54053
Lea County, New Mexico

devon
WPXENERGY

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
Pod 1		C-04919

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Devon Energy Production	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
6488 Seven Rivers HWY	Artesia	NM	88210

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	13	29.0856	N
	LONGITUDE	103	32	25.7382	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHJIP, RANGE) WHERE AVAILABLE

S4 T24s R33e

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1862	James Hawley	H&R Enterprises, LLC

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
12-16-24	12-16-24	105'	105'	N/A

COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): N/A

DATE STATIC MEASURED: 12-23-24

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0'	105'	6'	No casing left in hole				

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			N/A		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. C-04919	POD NO. 1	TRN NO. 773441	
LOCATION 24S.33E.14.212		WELL TAG ID NO. —	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0'	15'	15'	Sandy Caliche	Y ✓ N	
15'	20'	5'	Sand with Gravel	Y ✓ N	
20'	60'	40"	Sand	Y ✓ N	
60'	105'	45'	Sandy Clay	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☑ OTHER – SPECIFY: DTGW Bore

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Depth to groundwater bore was gauged for water on 12-23-24. DTGW bore was dry. Temporary well casing was removed, bore hole was backfilled with drill cutting to 10' BGS. Hydrated bentonite hole plug was poured from 10' BGS to surface.

OSE DII ROSWELL NM
21 JAN '25 AM 8:36

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Nathan Smelcer

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

James Hawley — 1-13-25

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. C-04919	POD NO. 1	TRN NO. 773441
LOCATION 24S.33E.14.212	WELL TAG ID NO. —	PAGE 2 OF 2

Elizabeth K. Anderson, P.E.
State Engineer

Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 773441
File Nbr: C 04919
Well File Nbr: C 04919 POD1

Feb. 12, 2025

DALE WOODALL
DEVON ENERGY PRODUCTION
6488 SEVEN RIVERS HWY
ARTESIA, NM 88210

Greetings:

The above numbered permit was issued in your name on 12/11/2024.

The Well Record was received in this office on 01/21/2025, stating that it had been completed on 12/16/2024, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 12/11/2025.

If you have any questions, please feel free to contact us.

Sincerely,

Rodolfo Chavez

Rodolfo Chavez
(575)622-6521

drywell

Boomslang 14 CTB 1 - Closure Request Report
Incident Number: nAPP2511542418
GPS: 32.22419°, -103.54053°

PHOTO 1: Eastern view during initial site assessment by Devon. 4/25/2025

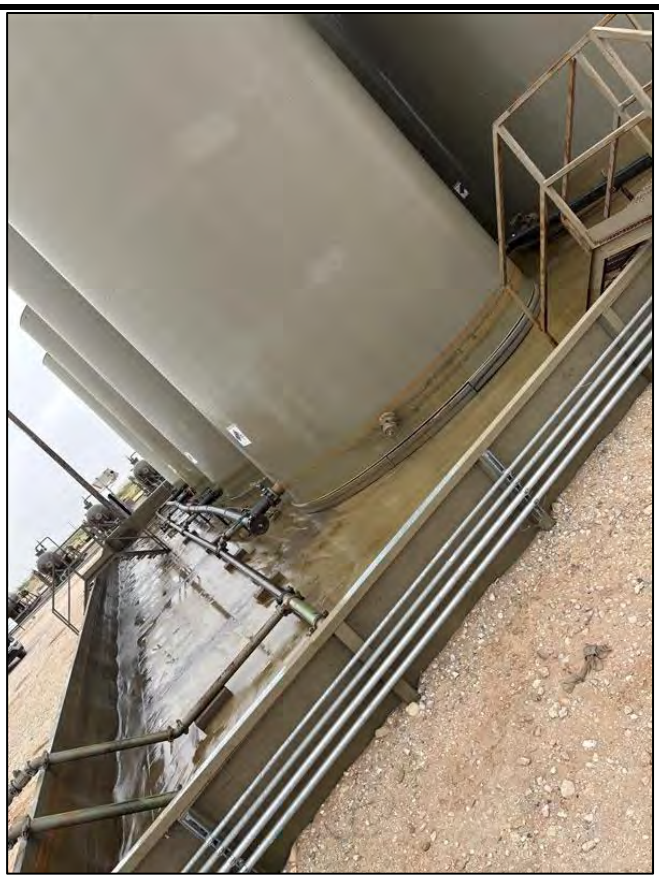


PHOTO 2: Southern view during initial site assessment by Devon. 4/25/2025

Boomslang 14 CTB 1 - Closure Request Report
Incident Number: nAPP2511542418
GPS: 32.22419°, -103.54053°

PHOTO 3: Southern view during site assessment by ESRR. 4/28/2025

PHOTO 4: Northwestern view during site assessment by ESRR. 4/28/2025

Boomslang 14 CTB 1 - Closure Request Report
Incident Number: nAPP2511542418
GPS: 32.22419°, -103.54053°

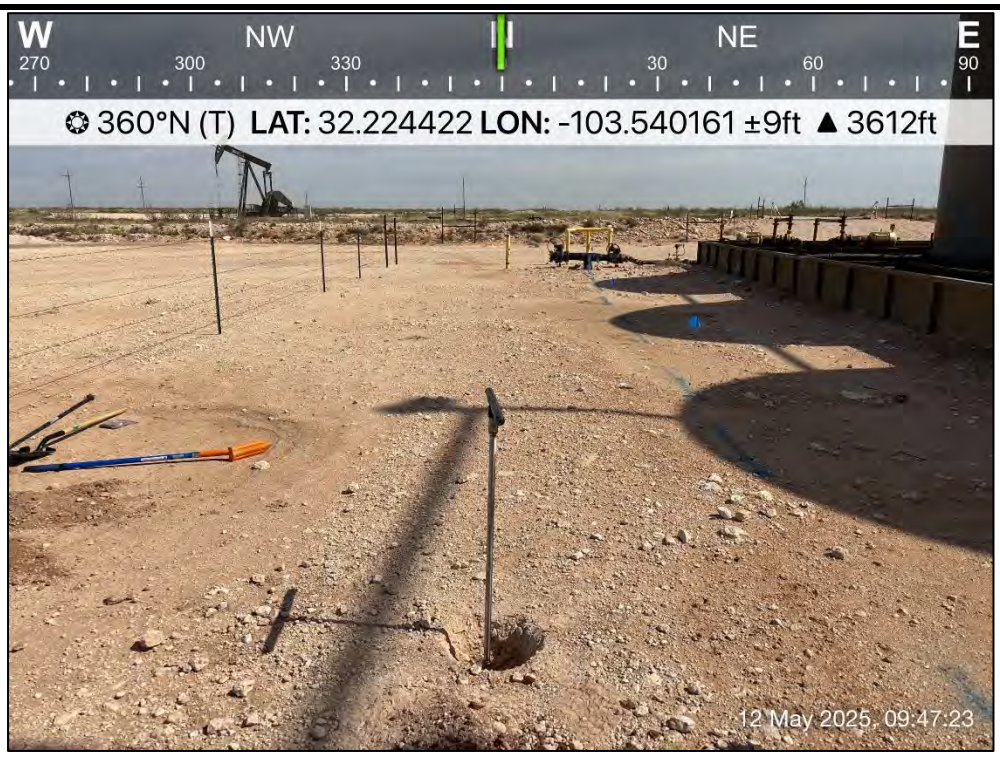


PHOTO 5: Northern view during initial delineation activities. 5/12/2025

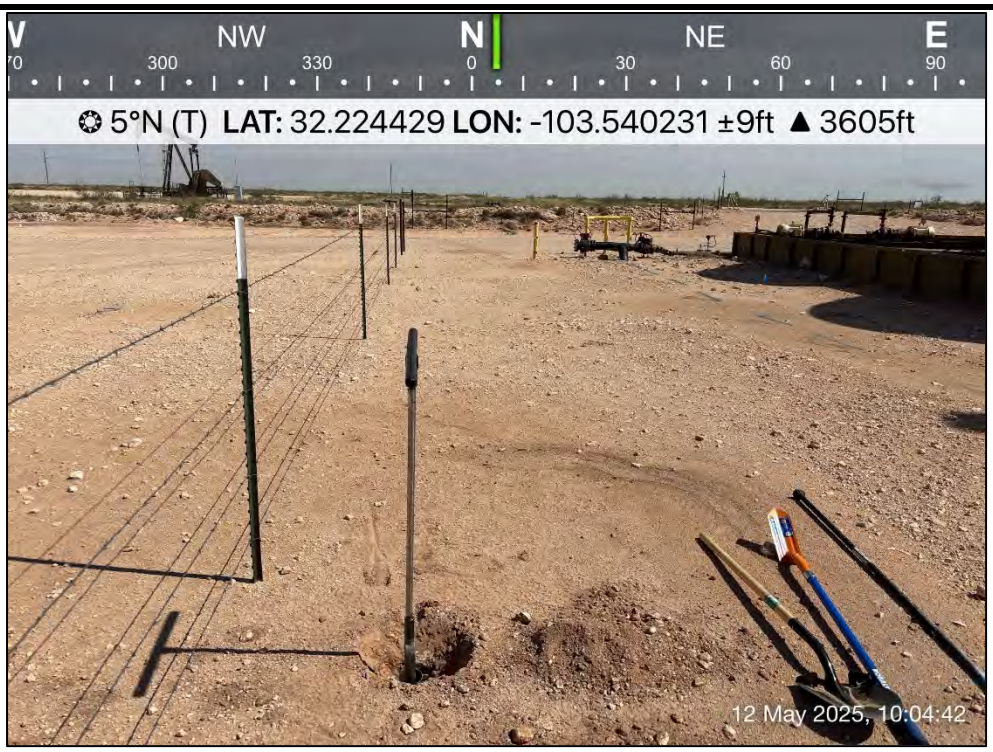


PHOTO 6: Northern view during initial delineation activities. 5/12/2025

Boomslang 14 CTB 1 - Closure Request Report
Incident Number: nAPP2511542418
GPS: 32.22419°, -103.54053°

PHOTO 7: Northern view during initial delineation activities. 5/12/2025

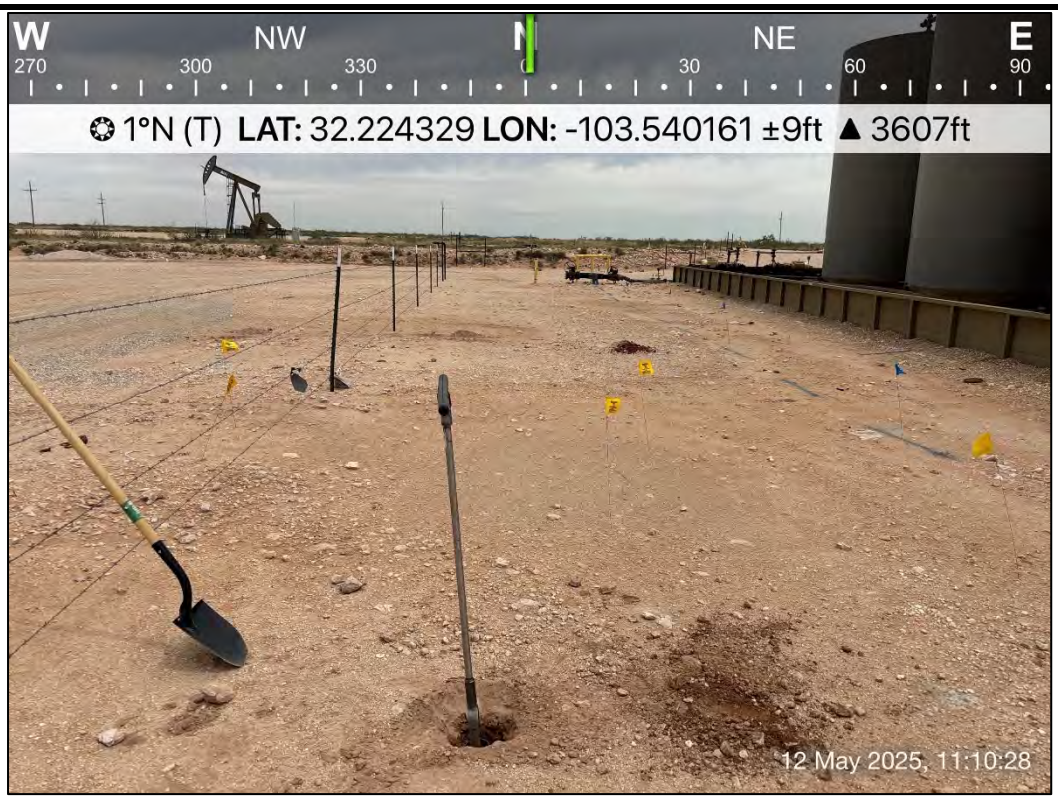


PHOTO 8: Northern view during initial delineation activities. 5/12/2025

Boomslang 14 CTB 1 - Closure Request Report
Incident Number: nAPP2511542418
GPS: 32.22419°, -103.54053°

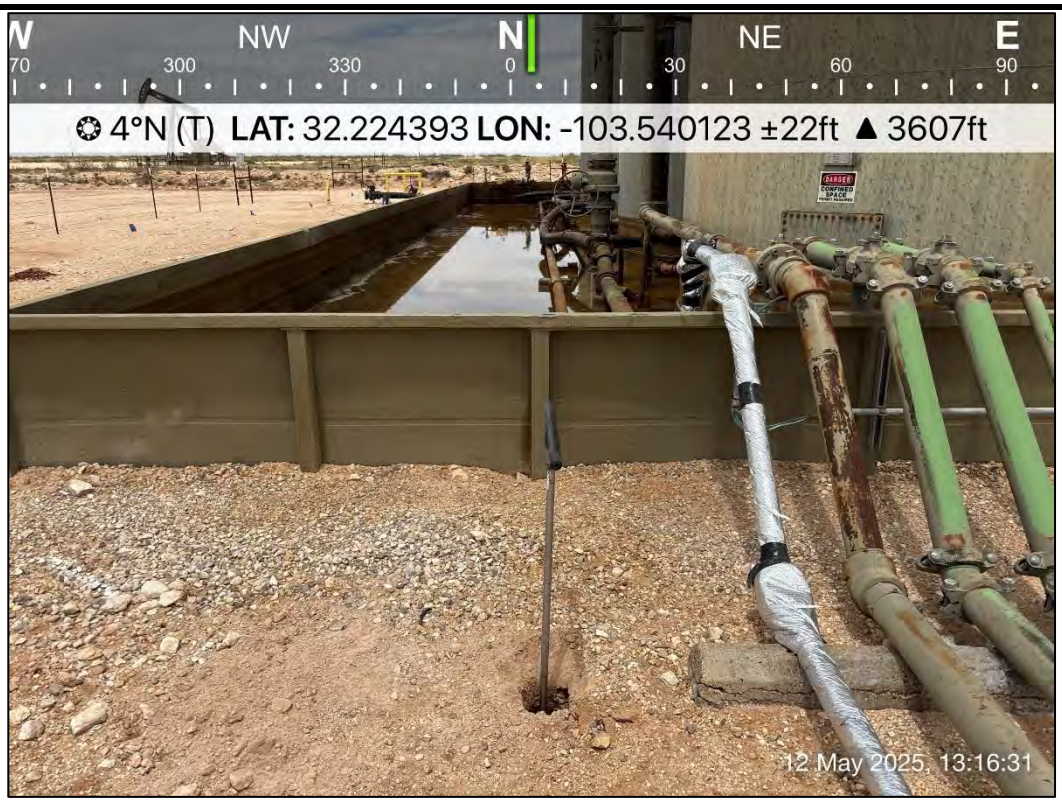


PHOTO 9: Northern view during initial delineation activities. 5/12/2025

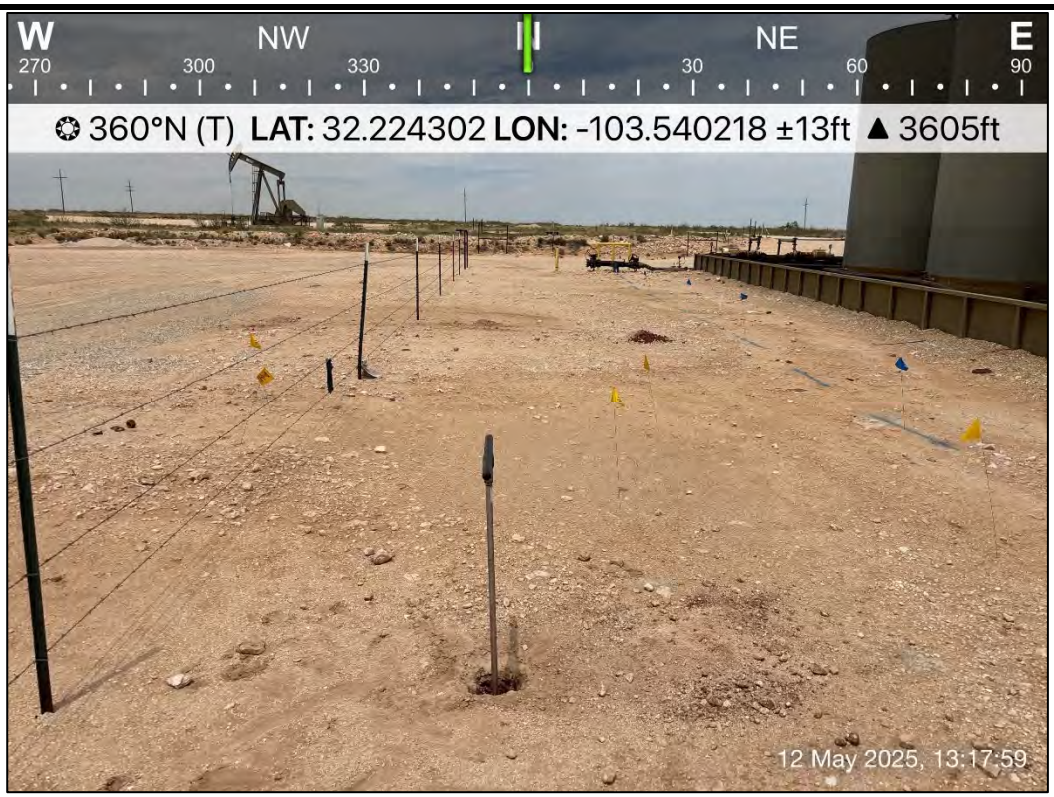


PHOTO 10: Northern view during initial delineation activities. 5/12/2025

Boomslang 14 CTB 1 - Closure Request Report
Incident Number: nAPP2511542418
GPS: 32.22419°, -103.54053°

PHOTO 11: Southern view during initial delineation activities. 5/12/2025

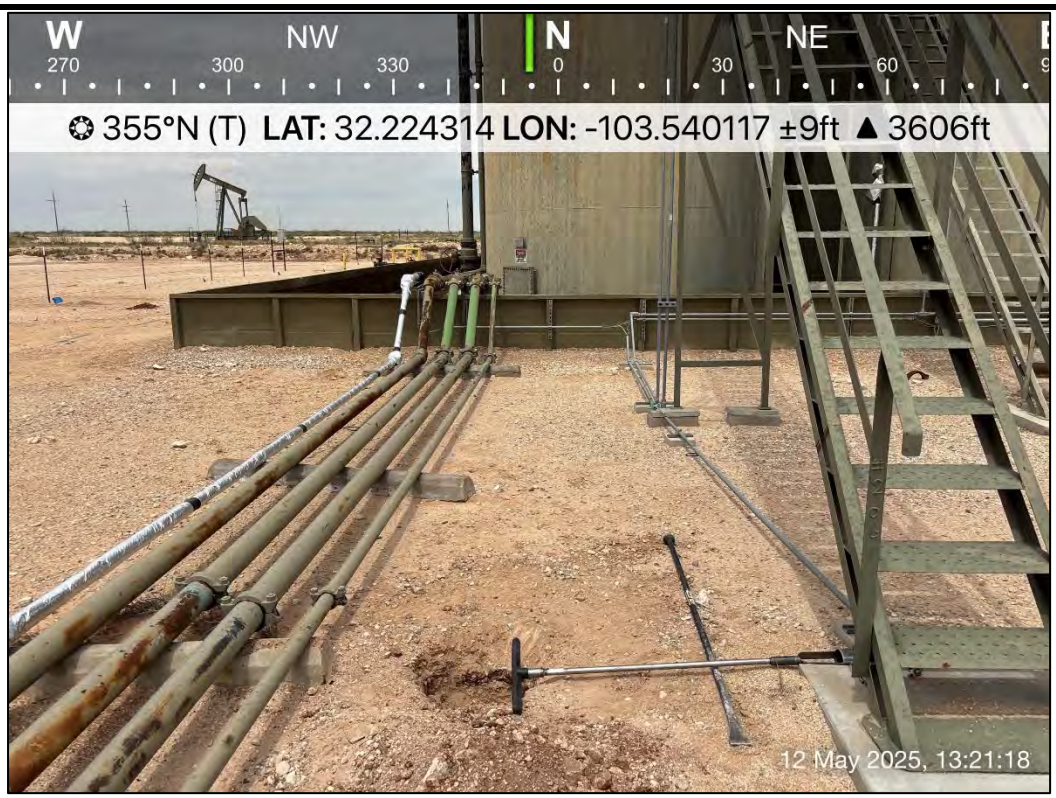


PHOTO 12: Northern view during initial delineation activities. 5/12/2025

Boomslang 14 CTB 1 - Closure Request Report
Incident Number: nAPP2511542418
GPS: 32.22419°, -103.54053°

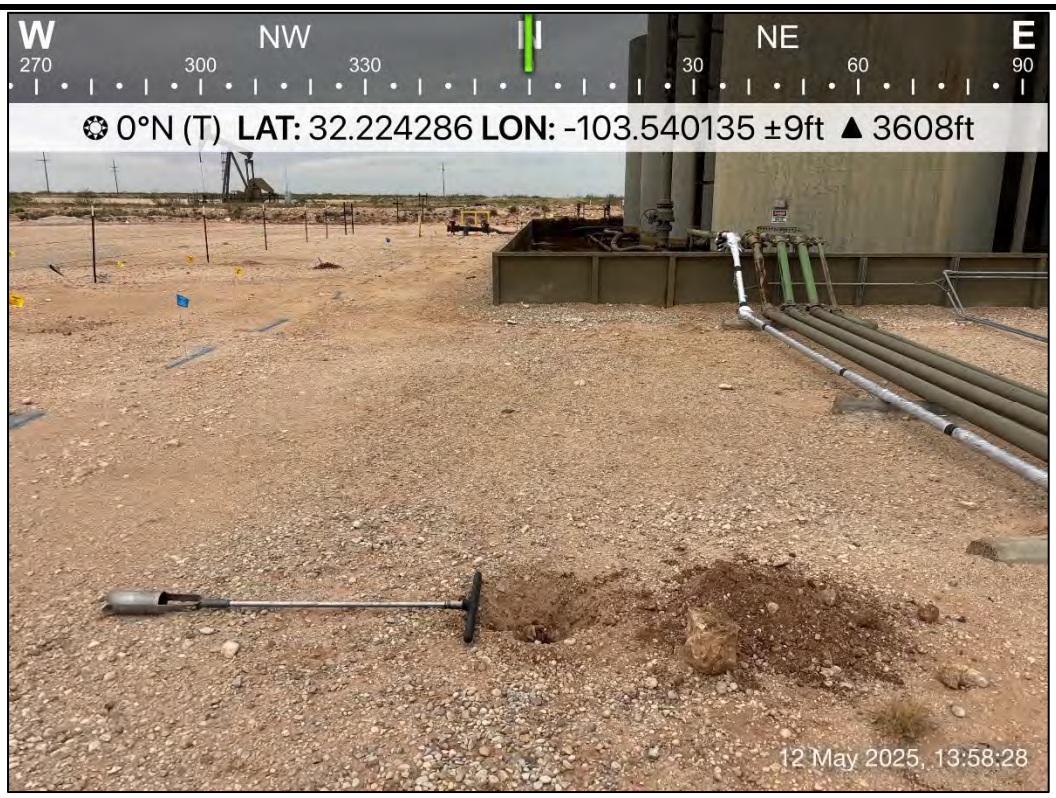


PHOTO 13: Northern view during initial delineation activities. 5/12/2025

PHOTO 14: Western view outside of containment during liner inspection activities. 10/17/2025

Boomslang 14 CTB 1 - Closure Request Report
Incident Number: nAPP2511542418
GPS: 32.22419°, -103.54053°

PHOTO 15: Northern view outside of containment during liner inspection activities. 10/17/2025

PHOTO 16: Southeastern view outside of containment during liner inspection activities. 10/17/2025

Boomslang 14 CTB 1 - Closure Request Report
Incident Number: nAPP2511542418
GPS: 32.22419°, -103.54053°

PHOTO 17: Eastern view outside of containment during liner inspection activities. 10/17/2025

PHOTO 18: Southern view outside of containment during liner inspection activities. 10/17/2025

Boomslang 14 CTB 1 - Closure Request Report
Incident Number: nAPP2511542418
GPS: 32.22419°, -103.54053°

PHOTO 19: Northern view during liner inspection activities. 10/17/2025

PHOTO 20: Eastern view during liner inspection activities. 10/17/2025

Boomslang 14 CTB 1 - Closure Request Report
Incident Number: nAPP2511542418
GPS: 32.22419°, -103.54053°

PHOTO 21: Southeastern view during liner inspection activities. 10/17/2025

PHOTO 22: Eastern view during liner inspection activities. 10/17/2025

Boomslang 14 CTB 1 - Closure Request Report
Incident Number: nAPP2511542418
GPS: 32.22419°, -103.54053°

PHOTO 23: Eastern view during liner inspection activities. 10/17/2025

PHOTO 24: Southeastern view during liner inspection activities. 10/17/2025

Boomslang 14 CTB 1 - Closure Request Report
Incident Number: nAPP2511542418
GPS: 32.22419°, -103.54053°

PHOTO 25: Southern view during liner inspection activities. 10/17/2025

PHOTO 26: Eastern view during liner inspection activities. 10/17/2025

Boomslang 14 CTB 1 - Closure Request Report
Incident Number: nAPP2511542418
GPS: 32.22419°, -103.54053°

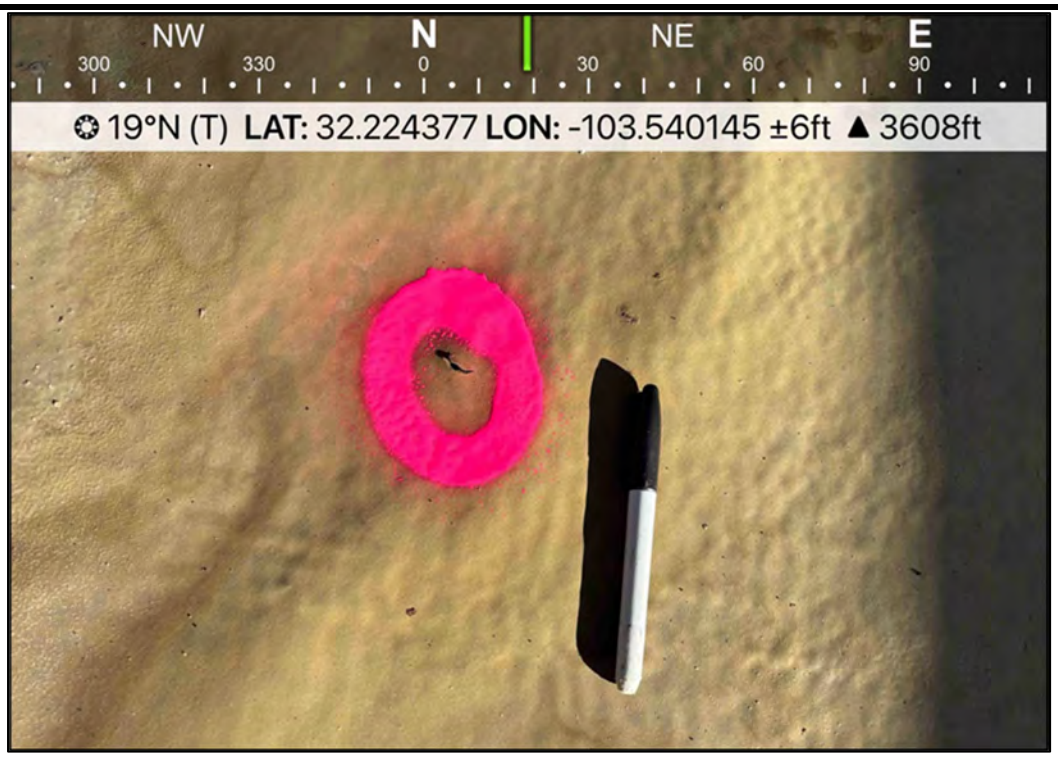


PHOTO 27: Northeastern view during liner inspection activities. 10/17/2025

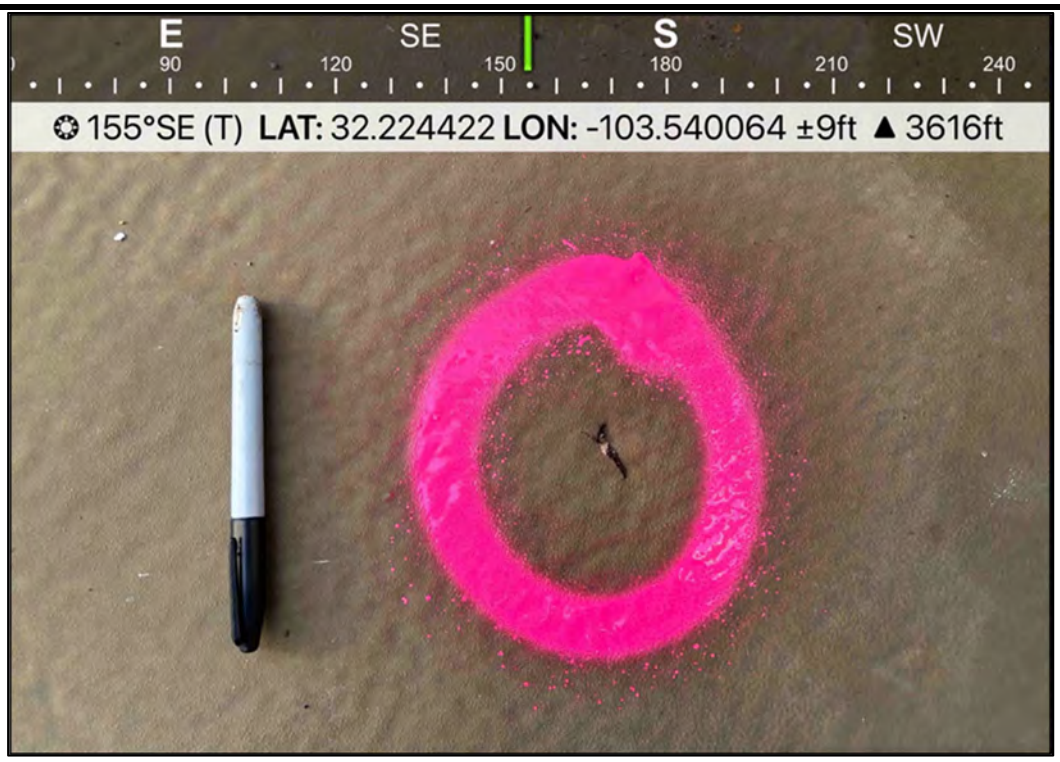


PHOTO 28: Southeastern view during liner inspection activities. 10/17/2025

Boomslang 14 CTB 1 - Closure Request Report
Incident Number: nAPP2511542418
GPS: 32.22419°, -103.54053°

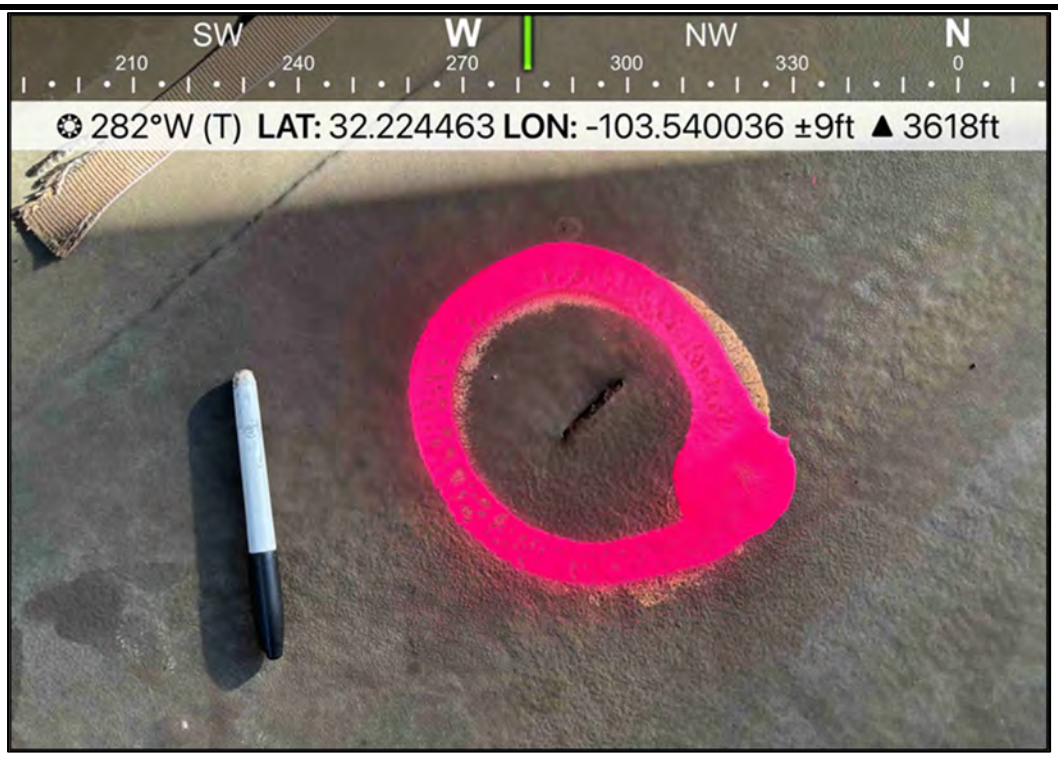


PHOTO 29: Northwestern view during liner inspection activities. 10/17/2025

PHOTO 30: Northern view during additional delineation activities. 11/4/2025

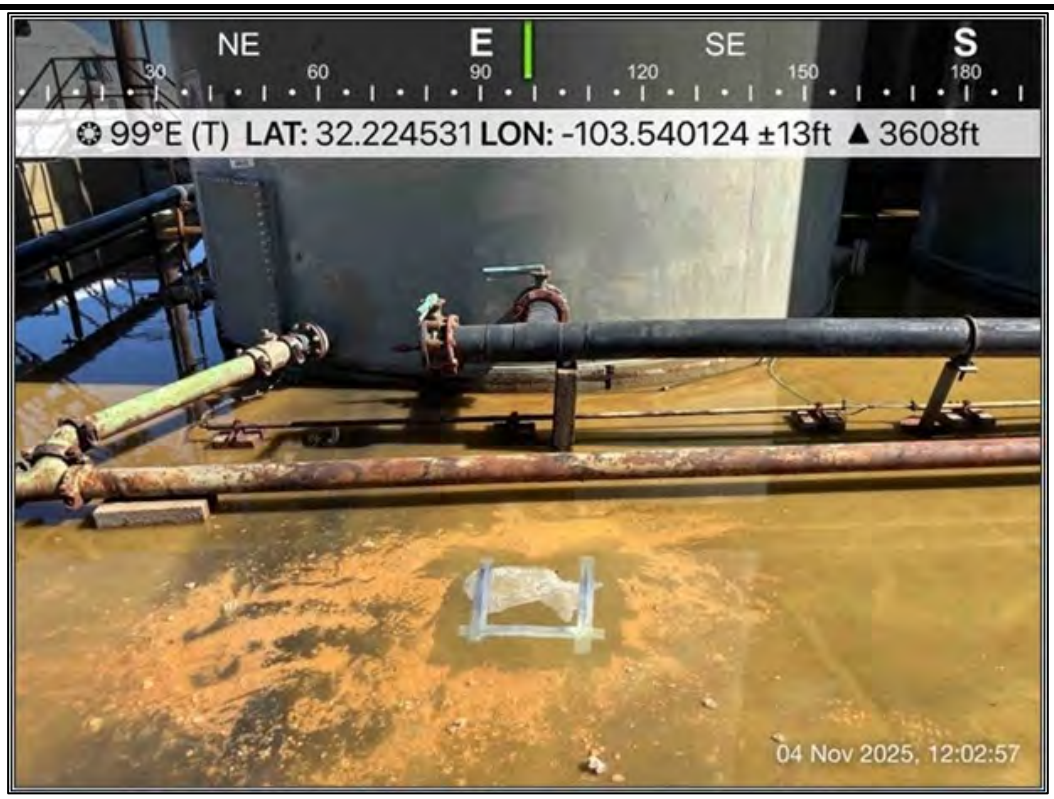


PHOTO 31: Eastern view following additional delineation activities prior to discovery of incident nAPP2530939630. 11/04/2025

PHOTO 32: Eastern view following additional delineation activities prior to discovery of incident nAPP2530939630. 11/04/2025

PHOTO 33: Eastern view following additional delineation activities prior to discovery of incident nAPP2530939630. 11/04/2025

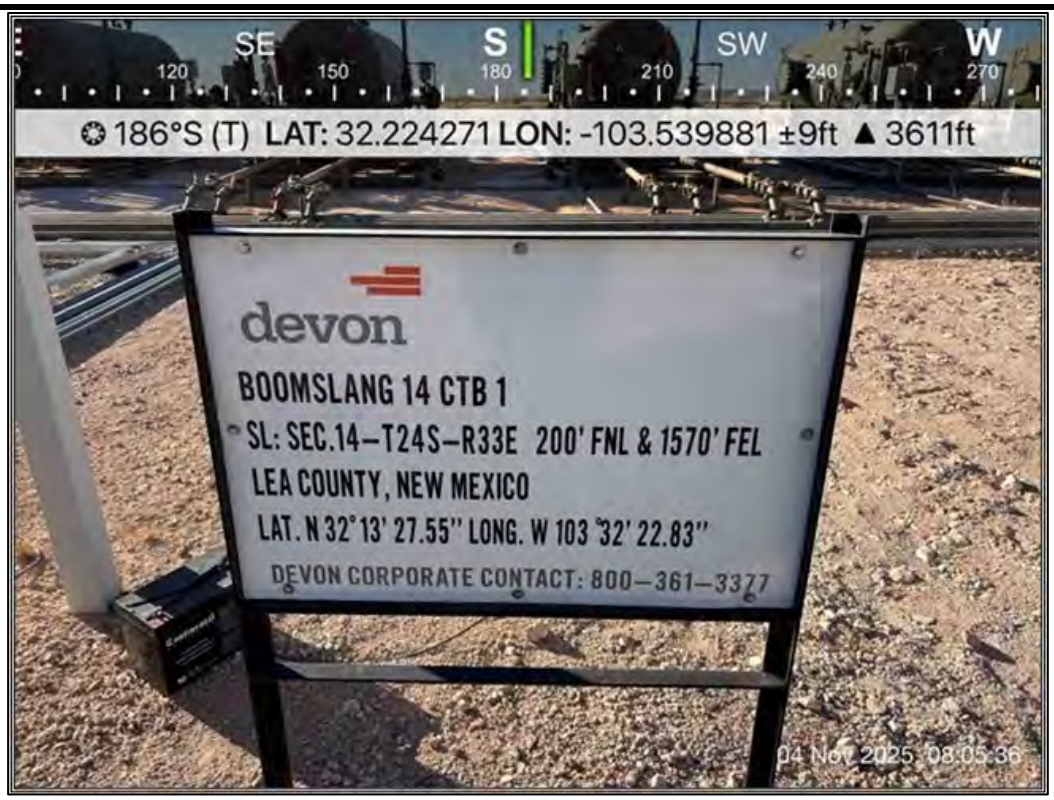


PHOTO 34: Southeastern view during liner inspection activities. 11/04/2025

Earth Systems Response & Restoration

devon WPXENERGY

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Boomslang 14 CTB 1
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO + GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples - nAPP2511542418										
HA - 1	05/12/25	0.5	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	<49.9	537
HA - 1	05/12/25	1	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	253
HA - 1	05/12/25	2	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	<49.8	178
HA - 2	05/12/25	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	9,610
HA - 2	05/12/25	1	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	8,930
HA - 2	05/12/25	2	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	10,700
HA - 3	05/12/25	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	169
HA - 3	05/12/25	1	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	128
HA - 4	05/12/25	0.5	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	6,970
HA - 4	05/12/25	1	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	<49.8	10,100
HA - 4	05/12/25	2	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	4,810
HA - 5	05/12/25	0.5	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	108
HA - 5	05/12/25	1	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	101
HA - 6	05/12/25	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	854
HA - 6	05/12/25	1	<0.00198	<0.00396	<49.7	<49.7	<49.7	<49.7	<49.7	291
HA - 7	11/04/25	0.5	<0.00200	<0.00399	<49.6	53.1	<49.6	53.1	53.1	124
HA - 8	11/04/25	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	882
HA - 8	11/04/25	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	1,150
HA - 9	11/04/25	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	1,520
HA - 9	11/04/25	1	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	467
HA - 9	11/04/25	2	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	452
HA - 10	11/04/25	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	131
HA - 10	11/04/25	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	131

Notes:
bgs: below ground surface
mg/kg: milligrams per kilogram
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code
Text in "grey" represents excavated soil samples
Concentrations in **bold and highlighted** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard‡ for Soils Impacted by a Release
‡The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.

Outlook

Re: [EXTERNAL] BOOMSLANG 14 CTB 1 - Extension Request - nAPP2511542418

From Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Date Wed 7/23/2025 3:26 PM
To Gilbert Moreno <gmoreno@earthsys.net>
Cc Raley, Jim <jim.raley@dvn.com>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Good afternoon Gilbert,

Thank you for the correspondence.

A 90-day time extension request is approved. Remediation Due date has been updated to October 21, 2025.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence related to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez ● Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Wednesday, July 23, 2025 1:09 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] BOOMSLANG 14 CTB 1 - Extension Request - nAPP2511542418

From: Gilbert Moreno <gmoreno@earthsys.net>
Sent: Wednesday, July 23, 2025 12:04 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Raley, Jim <jim.raley@dvn.com>
Subject: [EXTERNAL] BOOMSLANG 14 CTB 1 - Extension Request - nAPP2511542418

Hello,

Earth Sytems R & R (ESRR) on behalf of Devon Energy (Devon) is requesting an extension to the current deadline for a report required in 19.15.29.12.B(1) NMAC at the BOOMSLANG 14 CTB 1 (Site).

A produced water release was discovered on April 25, 2025, and was subsequently assigned Incident Number nAPP2511542418. ESRR performed initial site assessment activities on April 28, 2025, and initial delineation activities on May 12, 2025. Due to delays in third-party contractors, the containment has not yet been pressure washed for a proper inspection of the liner by ESRR but is said to be completed by the end of July.

Devon requests an extension of the July 24, 2025, deadline for the release associated with Incident Number nAPP2511542418, to allow additional time for liner inspection activities, assess and/or complete additional delineation, and perform remediation activities if deemed necessary. Upon completion of all activities, ESRR will complete a subsequent corrective action closure report or reclamation report.

Thanks,

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

Earth Systems
Response & Restoration

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 514430
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2511542418**
Incident Name	**NAPP2511542418 BOOMSLANG 14 CTB 1 @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Facility	**[fAPP2123645228] BOOMSLANG 14 CTB 1**

Location of Release Source	
Site Name	**BOOMSLANG 14 CTB 1**
Date Release Discovered	**04/25/2025**
Surface Owner	**Private**

Liner Inspection Event Information *Please answer all the questions in this group.*	
What is the liner inspection surface area in square feet	5,221
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	10/17/2025
Time liner inspection will commence	08:00 AM
Please provide any information necessary for observers to liner inspection	Gilbert Moreno (832) 541-7719
Please provide any information necessary for navigation to liner inspection site	32.22419,-103.54053

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 514430

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 514430
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	10/13/2025

Outlook

Re: [EXTERNAL] Boomslang 14 CTB 1 - Extension Request - nAPP2511542418

From Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Date Tue 10/21/2025 11:07 AM
To Gilbert Moreno <gmoreno@earthsys.net>
Cc Raley, Jim <jim.raley@dvn.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

Good morning Gilbert,

Thank you for the correspondence and in speaking with me this morning. A 30-day time extension is approved. Remediation Due date has been updated to November 20, 2025.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence related to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, request for time extensions, an alternative sampling plan, and/or variances.

Regards,

Nelson Velez ● Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Sent: Monday, October 20, 2025 2:41 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Boomslang 14 CTB 1 - Extension Request - nAPP2511542418

Scott Rodgers ● Environmental Specialist – Adv.
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland NE, Suite B | Albuquerque, NM 87113

505.469.1830 | scott.rodgers@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

From: Gilbert Moreno <gmoreno@earthsys.net>
Sent: Monday, October 20, 2025 1:55 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Raley, Jim <jim.raley@dvn.com>
Subject: [EXTERNAL] Boomslang 14 CTB 1 - Extension Request - nAPP2511542418

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

Hello,

Earth Sytems R & R (ESRR) on behalf of Devon Energy (Devon) is requesting an additional extension to the current deadline for a report required in 19.15.29.12.B(1) NMAC at the Boomslang 14 CTB 1 (Site).

As previously mentioned, due to delays by Devon 3rd-party contractors removing materials remaining within the containment, ESRR was unable to perform a thorough liner inspection until October 17, 2025. Devon anticipates overseeing 3rd-party contractors perform remediation activities of soils impacted outside of the containment by mid-November 2025.

Devon requests an extension of the October 21, 2025, deadline for the release associated with Incident Number nAPP2511542418, to allow additional time for remediation activities and for ESRR to complete a subsequent corrective action closure report.

Thanks,

Gilbert Moreno
Carlsbad Operations Manager- Project Geologist
O: (575) 323-9034 C: (832) 541-7719
gmoreno@earthsys.net
earthsys.net

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 521145

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 521145
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2511542418**
Incident Name	**NAPP2511542418 BOOMSLANG 14 CTB 1 @ FAPP2123645228**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Facility	**[fAPP2123645228] BOOMSLANG 14 CTB 1**

Location of Release Source	
Site Name	**BOOMSLANG 14 CTB 1**
Date Release Discovered	**04/25/2025**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	3,000
What is the estimated number of samples that will be gathered	10
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/04/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Gilbert Moreno (832) 541-7719
Please provide any information necessary for navigation to sampling site	32.224474°,-103.540095°

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 521145
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	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.	10/29/2025
jraley	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.	10/29/2025

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/15/2025 12:19:51 PM

JOB DESCRIPTION

Boomslang 14 CTB 1
Lea County, NM

JOB NUMBER

890-8151-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

my EOL

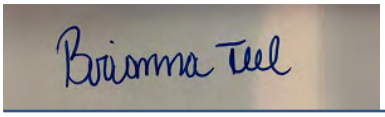
Eurofins Carlsbad

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
5/15/2025 12:19:51 PM

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

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Laboratory Job ID: 890-8151-1
SDG: Lea County, NM

Table of Contents

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-8151-1
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
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-8151-1
Project: Boomslang 14 CTB 1

Job ID: 890-8151-1 Eurofins Carlsbad

Job Narrative
890-8151-1

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

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

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

Receipt
The samples were received on 5/13/2025 10:15 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 -7.6°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: HA - 1 (890-8151-1), HA - 1 (890-8151-2), HA - 1 (890-8151-3), HA - 2 (890-8151-4), HA - 2 (890-8151-5), HA - 2 (890-8151-6), HA - 3 (890-8151-7), HA - 3 (890-8151-8), HA - 4 (890-8151-9), HA - 4 (890-8151-10), HA - 4 (890-8151-11), HA - 5 (890-8151-12), HA - 5 (890-8151-13), HA - 6 (890-8151-14) and HA - 6 (890-8151-15).

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: HA - 1 (890-8151-2) and HA - 1 (890-8151-3). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: HA - 1 (890-8151-1), HA - 2 (890-8151-4), HA - 2 (890-8151-5), HA - 3 (890-8151-8), (890-8149-A-4-A), (890-8149-A-4-B MS), (890-8149-A-4-C MSD), (890-8151-A-4-C MS) and (890-8151-A-4-D MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-110083 and 880-110085 and analytical batch 880-110095 was outside the upper control limits.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-110085 and analytical batch 880-110095 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-110095 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-110095/59).

Method 8015MOD_NM: The method blank for preparation batch 880-110085 and analytical batch 880-110095 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-110120 and analytical batch 880-110142 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.

Case Narrative

Client: Earth Systems Response and Restoration
Job ID: 890-8151-1
Project: Boomslang 14 CTB 1

Job ID: 890-8151-1 (Continued)

Eurofins Carlsbad

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

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-8151-1
SDG: Lea County, NM

Client Sample ID: HA - 1

Date Collected: 05/12/25 13:00
Date Received: 05/13/25 10:15
Sample Depth: 0.5

Lab Sample ID: 890-8151-1
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		05/14/25 08:00	05/14/25 13:31	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/14/25 08:00	05/14/25 13:31	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/14/25 08:00	05/14/25 13:31	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/14/25 08:00	05/14/25 13:31	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/14/25 08:00	05/14/25 13:31	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/14/25 08:00	05/14/25 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*05/14/25 08:00*	*05/14/25 13:31*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/14/25 08:00*	*05/14/25 13:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			05/14/25 13:31	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			05/15/25 06:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/14/25 08:10	05/15/25 06:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/14/25 08:10	05/15/25 06:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/14/25 08:10	05/15/25 06:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*132*	*S1+*	*70 - 130*	*05/14/25 08:10*	*05/15/25 06:19*	*1*
o-Terphenyl	*128*		*70 - 130*	*05/14/25 08:10*	*05/15/25 06:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**537**		9.96		mg/Kg			05/14/25 16:43	1

Client Sample ID: HA - 1

Date Collected: 05/12/25 13:05
Date Received: 05/13/25 10:15
Sample Depth: 1

Lab Sample ID: 890-8151-2
Matrix: Solid

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		05/14/25 08:00	05/14/25 13:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/14/25 08:00	05/14/25 13:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/14/25 08:00	05/14/25 13:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/14/25 08:00	05/14/25 13:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/14/25 08:00	05/14/25 13:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/14/25 08:00	05/14/25 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*05/14/25 08:00*	*05/14/25 13:52*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-8151-1
SDG: Lea County, NM

Client Sample ID: HA - 1

Date Collected: 05/12/25 13:05
Date Received: 05/13/25 10:15
Sample Depth: 1

Lab Sample ID: 890-8151-2

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*05/14/25 08:00*	*05/14/25 13:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/14/25 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	<50.0	U	50.0		mg/Kg			05/15/25 06:34	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	<50.0	U	50.0		mg/Kg		05/14/25 08:10	05/15/25 06:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/25 08:10	05/15/25 06:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/25 08:10	05/15/25 06:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*126*		*70 - 130*	*05/14/25 08:10*	*05/15/25 06:34*	*1*
o-Terphenyl	*140*	*S1+*	*70 - 130*	*05/14/25 08:10*	*05/15/25 06:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**253**		9.98		mg/Kg			05/14/25 17:04	1

Client Sample ID: HA - 1

Date Collected: 05/12/25 13:10
Date Received: 05/13/25 10:15
Sample Depth: 2

Lab Sample ID: 890-8151-3

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		05/14/25 08:00	05/14/25 14:12	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/14/25 08:00	05/14/25 14:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/14/25 08:00	05/14/25 14:12	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/14/25 08:00	05/14/25 14:12	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/14/25 08:00	05/14/25 14:12	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/14/25 08:00	05/14/25 14:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*05/14/25 08:00*	*05/14/25 14:12*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/14/25 08:00*	*05/14/25 14:12*	*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			05/14/25 14:12	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			05/15/25 06:49	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-8151-1
SDG: Lea County, NM

Client Sample ID: HA - 1

Lab Sample ID: 890-8151-3
Matrix: Solid
Date Collected: 05/12/25 13:10
Date Received: 05/13/25 10:15
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	<49.8	U	49.8		mg/Kg		05/14/25 08:10	05/15/25 06:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/25 08:10	05/15/25 06:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/25 08:10	05/15/25 06:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*05/14/25 08:10*	*05/15/25 06:49*	*1*
o-Terphenyl	*131*	*S1+*	*70 - 130*	*05/14/25 08:10*	*05/15/25 06:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**178**		9.94		mg/Kg			05/14/25 17:11	1

Client Sample ID: HA - 2

Lab Sample ID: 890-8151-4
Matrix: Solid
Date Collected: 05/12/25 13:25
Date Received: 05/13/25 10:15
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		05/14/25 08:00	05/14/25 14:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/14/25 08:00	05/14/25 14:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/14/25 08:00	05/14/25 14:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/14/25 08:00	05/14/25 14:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/14/25 08:00	05/14/25 14:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/14/25 08:00	05/14/25 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/14/25 08:00*	*05/14/25 14:33*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/14/25 08:00*	*05/14/25 14:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/14/25 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	<49.8	U	49.8		mg/Kg			05/14/25 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/14/25 08:18	05/14/25 17:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		05/14/25 08:18	05/14/25 17:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/25 08:18	05/14/25 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*05/14/25 08:18*	*05/14/25 17:47*	*1*
o-Terphenyl	*125*		*70 - 130*	*05/14/25 08:18*	*05/14/25 17:47*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-8151-1
SDG: Lea County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-8151-4
Matrix: Solid
Date Collected: 05/12/25 13:25
Date Received: 05/13/25 10:15
Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9610		99.2		mg/Kg			05/14/25 17:31	10

Client Sample ID: HA - 2

Lab Sample ID: 890-8151-5
Matrix: Solid
Date Collected: 05/12/25 13:30
Date Received: 05/13/25 10:15
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/25 08:00	05/14/25 14:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/25 08:00	05/14/25 14:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/25 08:00	05/14/25 14:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/14/25 08:00	05/14/25 14:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/25 08:00	05/14/25 14:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/14/25 08:00	05/14/25 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*05/14/25 08:00*	*05/14/25 14:53*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/14/25 08:00*	*05/14/25 14:53*	*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			05/14/25 14:53	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			05/14/25 18:32	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	<50.0	U	50.0		mg/Kg		05/14/25 08:18	05/14/25 18:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		05/14/25 08:18	05/14/25 18:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/25 08:18	05/14/25 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*132*	*S1+*	*70 - 130*	*05/14/25 08:18*	*05/14/25 18:32*	*1*
o-Terphenyl	*125*		*70 - 130*	*05/14/25 08:18*	*05/14/25 18:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8930		99.0		mg/Kg			05/14/25 17:38	10

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-8151-1
SDG: Lea County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-8151-6
Matrix: Solid
Date Collected: 05/12/25 13:45
Date Received: 05/13/25 10:15
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/14/25 08:00	05/14/25 16:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/14/25 08:00	05/14/25 16:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/14/25 08:00	05/14/25 16:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/14/25 08:00	05/14/25 16:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/14/25 08:00	05/14/25 16:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/14/25 08:00	05/14/25 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*05/14/25 08:00*	*05/14/25 16:29*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/14/25 08:00*	*05/14/25 16:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/14/25 16:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/14/25 18:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/14/25 08:18	05/14/25 18:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		05/14/25 08:18	05/14/25 18:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/14/25 08:18	05/14/25 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*05/14/25 08:18*	*05/14/25 18:47*	*1*
o-Terphenyl	*124*		*70 - 130*	*05/14/25 08:18*	*05/14/25 18:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10700**		100		mg/Kg			05/14/25 16:03	10

Client Sample ID: HA - 3

Lab Sample ID: 890-8151-7
Matrix: Solid
Date Collected: 05/12/25 13:55
Date Received: 05/13/25 10:15
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		05/14/25 08:00	05/14/25 16:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/25 08:00	05/14/25 16:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/25 08:00	05/14/25 16:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/14/25 08:00	05/14/25 16:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/25 08:00	05/14/25 16:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/14/25 08:00	05/14/25 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*05/14/25 08:00*	*05/14/25 16:49*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-8151-1
SDG: Lea County, NM

Client Sample ID: HA - 3

Lab Sample ID: 890-8151-7
Matrix: Solid
Date Collected: 05/12/25 13:55
Date Received: 05/13/25 10:15
Sample Depth: 0.5

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/14/25 08:00*	*05/14/25 16:49*	*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			05/14/25 16:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/14/25 19:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/14/25 08:18	05/14/25 19:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		05/14/25 08:18	05/14/25 19:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/14/25 08:18	05/14/25 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*05/14/25 08:18*	*05/14/25 19:02*	*1*
o-Terphenyl	*125*		*70 - 130*	*05/14/25 08:18*	*05/14/25 19:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**169**		10.1		mg/Kg			05/14/25 16:19	1

Client Sample ID: HA - 3

Lab Sample ID: 890-8151-8
Matrix: Solid
Date Collected: 05/12/25 14:00
Date Received: 05/13/25 10:15
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/14/25 08:00	05/14/25 17:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/14/25 08:00	05/14/25 17:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/14/25 08:00	05/14/25 17:10	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/14/25 08:00	05/14/25 17:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/14/25 08:00	05/14/25 17:10	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/14/25 08:00	05/14/25 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*05/14/25 08:00*	*05/14/25 17:10*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/14/25 08:00*	*05/14/25 17:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			05/14/25 17:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/14/25 19:18	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-8151-1
SDG: Lea County, NM

Client Sample ID: HA - 3

Lab Sample ID: 890-8151-8
Matrix: Solid
Date Collected: 05/12/25 14:00
Date Received: 05/13/25 10:15
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/14/25 08:18	05/14/25 19:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		05/14/25 08:18	05/14/25 19:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/25 08:18	05/14/25 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*05/14/25 08:18*	*05/14/25 19:18*	*1*
o-Terphenyl	*128*		*70 - 130*	*05/14/25 08:18*	*05/14/25 19:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**128**		9.94		mg/Kg			05/14/25 16:24	1

Client Sample ID: HA - 4

Lab Sample ID: 890-8151-9
Matrix: Solid
Date Collected: 05/12/25 13:35
Date Received: 05/13/25 10:15
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		05/14/25 08:00	05/14/25 17:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/25 08:00	05/14/25 17:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/25 08:00	05/14/25 17:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/14/25 08:00	05/14/25 17:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/25 08:00	05/14/25 17:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/14/25 08:00	05/14/25 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*05/14/25 08:00*	*05/14/25 17:30*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/14/25 08:00*	*05/14/25 17:30*	*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			05/14/25 17:30	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			05/14/25 19:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/14/25 08:18	05/14/25 19:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		05/14/25 08:18	05/14/25 19:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/25 08:18	05/14/25 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*05/14/25 08:18*	*05/14/25 19:33*	*1*
o-Terphenyl	*123*		*70 - 130*	*05/14/25 08:18*	*05/14/25 19:33*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-8151-1
SDG: Lea County, NM

Client Sample ID: HA - 4
Date Collected: 05/12/25 13:35
Date Received: 05/13/25 10:15
Sample Depth: 0.5

Lab Sample ID: 890-8151-9
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6970		99.2		mg/Kg			05/14/25 16:29	10

Client Sample ID: HA - 4
Date Collected: 05/12/25 13:40
Date Received: 05/13/25 10:15
Sample Depth: 1

Lab Sample ID: 890-8151-10
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		05/14/25 08:00	05/14/25 17:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/25 08:00	05/14/25 17:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/25 08:00	05/14/25 17:51	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/14/25 08:00	05/14/25 17:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/25 08:00	05/14/25 17:51	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/14/25 08:00	05/14/25 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/14/25 08:00*	*05/14/25 17:51*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/14/25 08:00*	*05/14/25 17:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/14/25 17:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/14/25 19:48	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	<49.8	U	49.8		mg/Kg		05/14/25 08:18	05/14/25 19:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		05/14/25 08:18	05/14/25 19:48	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/25 08:18	05/14/25 19:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*05/14/25 08:18*	*05/14/25 19:48*	*1*
o-Terphenyl	*120*		*70 - 130*	*05/14/25 08:18*	*05/14/25 19:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10100		101		mg/Kg			05/14/25 16:34	10

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-8151-1
SDG: Lea County, NM

Client Sample ID: HA - 4

Lab Sample ID: 890-8151-11
Matrix: Solid
Date Collected: 05/12/25 13:50
Date Received: 05/13/25 10:15
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/14/25 08:00	05/14/25 18:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/14/25 08:00	05/14/25 18:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/14/25 08:00	05/14/25 18:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/14/25 08:00	05/14/25 18:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/14/25 08:00	05/14/25 18:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/14/25 08:00	05/14/25 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*05/14/25 08:00*	*05/14/25 18:11*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/14/25 08:00*	*05/14/25 18:11*	*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			05/14/25 18:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/14/25 20:03	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	<49.7	U	49.7		mg/Kg		05/14/25 08:18	05/14/25 20:03	1
Diesel Range Organics (Over C10-C28)	<49.7	U *+	49.7		mg/Kg		05/14/25 08:18	05/14/25 20:03	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/14/25 08:18	05/14/25 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*05/14/25 08:18*	*05/14/25 20:03*	*1*
o-Terphenyl	*120*		*70 - 130*	*05/14/25 08:18*	*05/14/25 20:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4810**		49.7		mg/Kg			05/14/25 16:50	5

Client Sample ID: HA - 5

Lab Sample ID: 890-8151-12
Matrix: Solid
Date Collected: 05/12/25 13:15
Date Received: 05/13/25 10:15
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		05/14/25 08:00	05/14/25 18:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/14/25 08:00	05/14/25 18:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/14/25 08:00	05/14/25 18:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/14/25 08:00	05/14/25 18:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/14/25 08:00	05/14/25 18:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/14/25 08:00	05/14/25 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/14/25 08:00*	*05/14/25 18:32*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-8151-1
SDG: Lea County, NM

Client Sample ID: HA - 5

Lab Sample ID: 890-8151-12
Matrix: Solid
Date Collected: 05/12/25 13:15
Date Received: 05/13/25 10:15
Sample Depth: 0.5

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/14/25 08:00*	*05/14/25 18:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/14/25 18:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/14/25 20:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/14/25 08:18	05/14/25 20:18	1
Diesel Range Organics (Over C10-C28)	<49.7	U *+	49.7		mg/Kg		05/14/25 08:18	05/14/25 20:18	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/14/25 08:18	05/14/25 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*05/14/25 08:18*	*05/14/25 20:18*	*1*
o-Terphenyl	*121*		*70 - 130*	*05/14/25 08:18*	*05/14/25 20:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**108**		9.92		mg/Kg			05/14/25 16:55	1

Client Sample ID: HA - 5

Lab Sample ID: 890-8151-13
Matrix: Solid
Date Collected: 05/12/25 13:20
Date Received: 05/13/25 10:15
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/14/25 08:00	05/14/25 18:52	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/14/25 08:00	05/14/25 18:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/14/25 08:00	05/14/25 18:52	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/14/25 08:00	05/14/25 18:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/14/25 08:00	05/14/25 18:52	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/14/25 08:00	05/14/25 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*05/14/25 08:00*	*05/14/25 18:52*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/14/25 08:00*	*05/14/25 18:52*	*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			05/14/25 18:52	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			05/14/25 20:32	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-8151-1
SDG: Lea County, NM

Client Sample ID: HA - 5

Lab Sample ID: 890-8151-13
Matrix: Solid
Date Collected: 05/12/25 13:20
Date Received: 05/13/25 10:15
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/14/25 08:18	05/14/25 20:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		05/14/25 08:18	05/14/25 20:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/25 08:18	05/14/25 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*05/14/25 08:18*	*05/14/25 20:32*	*1*
o-Terphenyl	*122*		*70 - 130*	*05/14/25 08:18*	*05/14/25 20:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**101**		10.0		mg/Kg			05/14/25 17:00	1

Client Sample ID: HA - 6

Lab Sample ID: 890-8151-14
Matrix: Solid
Date Collected: 05/12/25 14:05
Date Received: 05/13/25 10:15
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		05/14/25 08:00	05/14/25 19:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/14/25 08:00	05/14/25 19:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/14/25 08:00	05/14/25 19:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/14/25 08:00	05/14/25 19:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/14/25 08:00	05/14/25 19:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/14/25 08:00	05/14/25 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*05/14/25 08:00*	*05/14/25 19:12*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/14/25 08:00*	*05/14/25 19:12*	*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			05/14/25 19:12	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			05/14/25 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		05/14/25 08:18	05/14/25 21:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		05/14/25 08:18	05/14/25 21:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/25 08:18	05/14/25 21:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*05/14/25 08:18*	*05/14/25 21:02*	*1*
o-Terphenyl	*119*		*70 - 130*	*05/14/25 08:18*	*05/14/25 21:02*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-8151-1
SDG: Lea County, NM

Client Sample ID: HA - 6
Date Collected: 05/12/25 14:05
Date Received: 05/13/25 10:15
Sample Depth: 0.5

Lab Sample ID: 890-8151-14
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	854		9.96		mg/Kg			05/14/25 17:06	1

Client Sample ID: HA - 6
Date Collected: 05/12/25 14:10
Date Received: 05/13/25 10:15
Sample Depth: 1

Lab Sample ID: 890-8151-15
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		05/14/25 08:00	05/14/25 19:33	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/14/25 08:00	05/14/25 19:33	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/14/25 08:00	05/14/25 19:33	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/14/25 08:00	05/14/25 19:33	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/14/25 08:00	05/14/25 19:33	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/14/25 08:00	05/14/25 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*05/14/25 08:00*	*05/14/25 19:33*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/14/25 08:00*	*05/14/25 19:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			05/14/25 19:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/14/25 21:17	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	<49.7	U	49.7		mg/Kg		05/14/25 08:18	05/14/25 21:17	1
Diesel Range Organics (Over C10-C28)	<49.7	U *+	49.7		mg/Kg		05/14/25 08:18	05/14/25 21:17	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/14/25 08:18	05/14/25 21:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*05/14/25 08:18*	*05/14/25 21:17*	*1*
o-Terphenyl	*123*		*70 - 130*	*05/14/25 08:18*	*05/14/25 21:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	291		10.0		mg/Kg			05/14/25 17:11	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-8151-1
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)										
890-8151-1	HA - 1	111	99										
890-8151-2	HA - 1	118	84										
890-8151-3	HA - 1	105	101										
890-8151-4	HA - 2	110	97										
890-8151-5	HA - 2	112	99										
890-8151-6	HA - 2	118	99										
890-8151-7	HA - 3	107	100										
890-8151-8	HA - 3	107	99										
890-8151-9	HA - 4	104	97										
890-8151-10	HA - 4	110	99										
890-8151-11	HA - 4	111	95										
890-8151-12	HA - 5	113	97										
890-8151-13	HA - 5	106	98										
890-8151-14	HA - 6	106	97										
890-8151-15	HA - 6	117	98										
LCS 880-110058/1-A	Lab Control Sample	105	105										
LCSD 880-110058/2-A	Lab Control Sample Dup	107	103										
MB 880-110058/5-B	Method Blank	102	97										

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)										
890-8151-1	HA - 1	132 S1+	128										
890-8151-2	HA - 1	126	140 S1+										
890-8151-3	HA - 1	125	131 S1+										
890-8151-4	HA - 2	131 S1+	125										
890-8151-4 MS	HA - 2	141 S1+	124										
890-8151-4 MSD	HA - 2	142 S1+	124										
890-8151-5	HA - 2	132 S1+	125										
890-8151-6	HA - 2	130	124										
890-8151-7	HA - 3	130	125										
890-8151-8	HA - 3	134 S1+	128										
890-8151-9	HA - 4	128	123										
890-8151-10	HA - 4	126	120										
890-8151-11	HA - 4	127	120										
890-8151-12	HA - 5	128	121										
890-8151-13	HA - 5	128	122										
890-8151-14	HA - 6	127	119										
890-8151-15	HA - 6	128	123										
LCS 880-110083/2-A	Lab Control Sample	94	80										
LCS 880-110085/2-A	Lab Control Sample	97	83										
LCSD 880-110083/3-A	Lab Control Sample Dup	96	82										
LCSD 880-110085/3-A	Lab Control Sample Dup	103	89										

Surrogate Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8151-1
Project/Site: Boomslang 14 CTB 1
SDG: Lea County, NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
MB 880-110083/1-A	Method Blank	135 S1+	129								
MB 880-110085/1-A	Method Blank	135 S1+	130								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-8151-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-110058/5-B
Matrix: Solid
Analysis Batch: 110092

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 110058

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/25 08:00	05/14/25 11:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/25 08:00	05/14/25 11:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/25 08:00	05/14/25 11:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/14/25 08:00	05/14/25 11:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/25 08:00	05/14/25 11:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/25 08:00	05/14/25 11:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*05/14/25 08:00*	*05/14/25 11:27*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/14/25 08:00*	*05/14/25 11:27*	*1*

Lab Sample ID: LCS 880-110058/1-A
Matrix: Solid
Analysis Batch: 110092

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 110058

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08666		mg/Kg		87	70 - 130		
Toluene			0.100	0.09248		mg/Kg		92	70 - 130		
Ethylbenzene			0.100	0.09652		mg/Kg		97	70 - 130		
m-Xylene & p-Xylene			0.200	0.1929		mg/Kg		96	70 - 130		
o-Xylene			0.100	0.09694		mg/Kg		97	70 - 130		

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

Lab Sample ID: LCSD 880-110058/2-A
Matrix: Solid
Analysis Batch: 110092

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 110058

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08773		mg/Kg		88	70 - 130	1	35
Toluene			0.100	0.09375		mg/Kg		94	70 - 130	1	35
Ethylbenzene			0.100	0.09806		mg/Kg		98	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1953		mg/Kg		98	70 - 130	1	35
o-Xylene			0.100	0.09795		mg/Kg		98	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-8151-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-110083/1-A
Matrix: Solid
Analysis Batch: 110095

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 110083

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		05/14/25 08:10	05/15/25 00:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/25 08:10	05/15/25 00:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/25 08:10	05/15/25 00:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*135*	*S1+*	*70 - 130*	*05/14/25 08:10*	*05/15/25 00:33*	*1*
o-Terphenyl	*129*		*70 - 130*	*05/14/25 08:10*	*05/15/25 00:33*	*1*

Lab Sample ID: LCS 880-110083/2-A
Matrix: Solid
Analysis Batch: 110095

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 110083

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1155		mg/Kg		116	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1185		mg/Kg		118	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*94*		*70 - 130*
o-Terphenyl	*80*		*70 - 130*

Lab Sample ID: LCSD 880-110083/3-A
Matrix: Solid
Analysis Batch: 110095

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 110083

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1183		mg/Kg		118	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1176		mg/Kg		118	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*96*		*70 - 130*
o-Terphenyl	*82*		*70 - 130*

Lab Sample ID: MB 880-110085/1-A
Matrix: Solid
Analysis Batch: 110095

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 110085

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		05/14/25 08:18	05/14/25 17:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/25 08:18	05/14/25 17:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/25 08:18	05/14/25 17:01	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-8151-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-110085/1-A
Matrix: Solid
Analysis Batch: 110095

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 110085

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130	05/14/25 08:18	05/14/25 17:01	1
o-Terphenyl	130		70 - 130	05/14/25 08:18	05/14/25 17:01	1

Lab Sample ID: LCS 880-110085/2-A
Matrix: Solid
Analysis Batch: 110095

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 110085

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1113		mg/Kg		111	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1205		mg/Kg		120	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	83		70 - 130

Lab Sample ID: LCSD 880-110085/3-A
Matrix: Solid
Analysis Batch: 110095

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 110085

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1184		mg/Kg		118	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	1324	*+	mg/Kg		132	70 - 130	9	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: 890-8151-4 MS
Matrix: Solid
Analysis Batch: 110095

Client Sample ID: HA - 2
Prep Type: Total/NA
Prep Batch: 110085

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1000	1162		mg/Kg		116	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U *+	1000	1000		mg/Kg		100	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	141	S1+	70 - 130
o-Terphenyl	124		70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-8151-1
SDG: Lea County, NM

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

Lab Sample ID: 890-8151-4 MSD
Matrix: Solid
Analysis Batch: 110095

Client Sample ID: HA - 2
Prep Type: Total/NA
Prep Batch: 110085

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1000	1093		mg/Kg		109	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.8	U *+	1000	987.1		mg/Kg		99	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*142*	*S1+*	*70 - 130*
o-Terphenyl	*124*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-110118/1-A
Matrix: Solid
Analysis Batch: 110138

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			05/14/25 14:48	1

Lab Sample ID: LCS 880-110118/2-A
Matrix: Solid
Analysis Batch: 110138

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	258.2		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-110118/3-A
Matrix: Solid
Analysis Batch: 110138

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	258.0		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 890-8151-1 MS
Matrix: Solid
Analysis Batch: 110138

Client Sample ID: HA - 1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	537		249	806.7		mg/Kg		108	90 - 110

Lab Sample ID: 890-8151-1 MSD
Matrix: Solid
Analysis Batch: 110138

Client Sample ID: HA - 1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	537		249	794.6		mg/Kg		103	90 - 110	2	20

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-8151-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-110120/1-A
Matrix: Solid
Analysis Batch: 110142

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			05/14/25 15:48	1

Lab Sample ID: LCS 880-110120/2-A
Matrix: Solid
Analysis Batch: 110142

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	239.7		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-110120/3-A
Matrix: Solid
Analysis Batch: 110142

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	241.1		mg/Kg		96	90 - 110	1	20

Lab Sample ID: 890-8151-6 MS
Matrix: Solid
Analysis Batch: 110142

Client Sample ID: HA - 2
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	10700		2510	13850	4	mg/Kg		126	90 - 110		

Lab Sample ID: 890-8151-6 MSD
Matrix: Solid
Analysis Batch: 110142

Client Sample ID: HA - 2
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10700		2510	13920	4	mg/Kg		129	90 - 110	1	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-8151-1
SDG: Lea County, NM

GC VOA

Prep Batch: 110058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8151-1	HA - 1	Total/NA	Solid	5035	
890-8151-2	HA - 1	Total/NA	Solid	5035	
890-8151-3	HA - 1	Total/NA	Solid	5035	
890-8151-4	HA - 2	Total/NA	Solid	5035	
890-8151-5	HA - 2	Total/NA	Solid	5035	
890-8151-6	HA - 2	Total/NA	Solid	5035	
890-8151-7	HA - 3	Total/NA	Solid	5035	
890-8151-8	HA - 3	Total/NA	Solid	5035	
890-8151-9	HA - 4	Total/NA	Solid	5035	
890-8151-10	HA - 4	Total/NA	Solid	5035	
890-8151-11	HA - 4	Total/NA	Solid	5035	
890-8151-12	HA - 5	Total/NA	Solid	5035	
890-8151-13	HA - 5	Total/NA	Solid	5035	
890-8151-14	HA - 6	Total/NA	Solid	5035	
890-8151-15	HA - 6	Total/NA	Solid	5035	
MB 880-110058/5-B	Method Blank	Total/NA	Solid	5035	
LCS 880-110058/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-110058/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 110092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8151-1	HA - 1	Total/NA	Solid	8021B	110058
890-8151-2	HA - 1	Total/NA	Solid	8021B	110058
890-8151-3	HA - 1	Total/NA	Solid	8021B	110058
890-8151-4	HA - 2	Total/NA	Solid	8021B	110058
890-8151-5	HA - 2	Total/NA	Solid	8021B	110058
890-8151-6	HA - 2	Total/NA	Solid	8021B	110058
890-8151-7	HA - 3	Total/NA	Solid	8021B	110058
890-8151-8	HA - 3	Total/NA	Solid	8021B	110058
890-8151-9	HA - 4	Total/NA	Solid	8021B	110058
890-8151-10	HA - 4	Total/NA	Solid	8021B	110058
890-8151-11	HA - 4	Total/NA	Solid	8021B	110058
890-8151-12	HA - 5	Total/NA	Solid	8021B	110058
890-8151-13	HA - 5	Total/NA	Solid	8021B	110058
890-8151-14	HA - 6	Total/NA	Solid	8021B	110058
890-8151-15	HA - 6	Total/NA	Solid	8021B	110058
MB 880-110058/5-B	Method Blank	Total/NA	Solid	8021B	110058
LCS 880-110058/1-A	Lab Control Sample	Total/NA	Solid	8021B	110058
LCSD 880-110058/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	110058

Analysis Batch: 110143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8151-1	HA - 1	Total/NA	Solid	Total BTEX	
890-8151-2	HA - 1	Total/NA	Solid	Total BTEX	
890-8151-3	HA - 1	Total/NA	Solid	Total BTEX	
890-8151-4	HA - 2	Total/NA	Solid	Total BTEX	
890-8151-5	HA - 2	Total/NA	Solid	Total BTEX	
890-8151-6	HA - 2	Total/NA	Solid	Total BTEX	
890-8151-7	HA - 3	Total/NA	Solid	Total BTEX	
890-8151-8	HA - 3	Total/NA	Solid	Total BTEX	
890-8151-9	HA - 4	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-8151-1
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 110143 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8151-10	HA - 4	Total/NA	Solid	Total BTEX	
890-8151-11	HA - 4	Total/NA	Solid	Total BTEX	
890-8151-12	HA - 5	Total/NA	Solid	Total BTEX	
890-8151-13	HA - 5	Total/NA	Solid	Total BTEX	
890-8151-14	HA - 6	Total/NA	Solid	Total BTEX	
890-8151-15	HA - 6	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 110083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8151-1	HA - 1	Total/NA	Solid	8015NM Prep	
890-8151-2	HA - 1	Total/NA	Solid	8015NM Prep	
890-8151-3	HA - 1	Total/NA	Solid	8015NM Prep	
MB 880-110083/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-110083/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-110083/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 110085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8151-4	HA - 2	Total/NA	Solid	8015NM Prep	
890-8151-5	HA - 2	Total/NA	Solid	8015NM Prep	
890-8151-6	HA - 2	Total/NA	Solid	8015NM Prep	
890-8151-7	HA - 3	Total/NA	Solid	8015NM Prep	
890-8151-8	HA - 3	Total/NA	Solid	8015NM Prep	
890-8151-9	HA - 4	Total/NA	Solid	8015NM Prep	
890-8151-10	HA - 4	Total/NA	Solid	8015NM Prep	
890-8151-11	HA - 4	Total/NA	Solid	8015NM Prep	
890-8151-12	HA - 5	Total/NA	Solid	8015NM Prep	
890-8151-13	HA - 5	Total/NA	Solid	8015NM Prep	
890-8151-14	HA - 6	Total/NA	Solid	8015NM Prep	
890-8151-15	HA - 6	Total/NA	Solid	8015NM Prep	
MB 880-110085/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-110085/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-110085/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8151-4 MS	HA - 2	Total/NA	Solid	8015NM Prep	
890-8151-4 MSD	HA - 2	Total/NA	Solid	8015NM Prep	

Analysis Batch: 110095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8151-1	HA - 1	Total/NA	Solid	8015B NM	110083
890-8151-2	HA - 1	Total/NA	Solid	8015B NM	110083
890-8151-3	HA - 1	Total/NA	Solid	8015B NM	110083
890-8151-4	HA - 2	Total/NA	Solid	8015B NM	110085
890-8151-5	HA - 2	Total/NA	Solid	8015B NM	110085
890-8151-6	HA - 2	Total/NA	Solid	8015B NM	110085
890-8151-7	HA - 3	Total/NA	Solid	8015B NM	110085
890-8151-8	HA - 3	Total/NA	Solid	8015B NM	110085
890-8151-9	HA - 4	Total/NA	Solid	8015B NM	110085
890-8151-10	HA - 4	Total/NA	Solid	8015B NM	110085
890-8151-11	HA - 4	Total/NA	Solid	8015B NM	110085

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-8151-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 110095 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8151-12	HA - 5	Total/NA	Solid	8015B NM	110085
890-8151-13	HA - 5	Total/NA	Solid	8015B NM	110085
890-8151-14	HA - 6	Total/NA	Solid	8015B NM	110085
890-8151-15	HA - 6	Total/NA	Solid	8015B NM	110085
MB 880-110083/1-A	Method Blank	Total/NA	Solid	8015B NM	110083
MB 880-110085/1-A	Method Blank	Total/NA	Solid	8015B NM	110085
LCS 880-110083/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	110083
LCS 880-110085/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	110085
LCSD 880-110083/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	110083
LCSD 880-110085/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	110085
890-8151-4 MS	HA - 2	Total/NA	Solid	8015B NM	110085
890-8151-4 MSD	HA - 2	Total/NA	Solid	8015B NM	110085

Analysis Batch: 110241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8151-1	HA - 1	Total/NA	Solid	8015 NM	
890-8151-2	HA - 1	Total/NA	Solid	8015 NM	
890-8151-3	HA - 1	Total/NA	Solid	8015 NM	
890-8151-4	HA - 2	Total/NA	Solid	8015 NM	
890-8151-5	HA - 2	Total/NA	Solid	8015 NM	
890-8151-6	HA - 2	Total/NA	Solid	8015 NM	
890-8151-7	HA - 3	Total/NA	Solid	8015 NM	
890-8151-8	HA - 3	Total/NA	Solid	8015 NM	
890-8151-9	HA - 4	Total/NA	Solid	8015 NM	
890-8151-10	HA - 4	Total/NA	Solid	8015 NM	
890-8151-11	HA - 4	Total/NA	Solid	8015 NM	
890-8151-12	HA - 5	Total/NA	Solid	8015 NM	
890-8151-13	HA - 5	Total/NA	Solid	8015 NM	
890-8151-14	HA - 6	Total/NA	Solid	8015 NM	
890-8151-15	HA - 6	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 110118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8151-1	HA - 1	Soluble	Solid	DI Leach	
890-8151-2	HA - 1	Soluble	Solid	DI Leach	
890-8151-3	HA - 1	Soluble	Solid	DI Leach	
890-8151-4	HA - 2	Soluble	Solid	DI Leach	
890-8151-5	HA - 2	Soluble	Solid	DI Leach	
MB 880-110118/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-110118/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-110118/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8151-1 MS	HA - 1	Soluble	Solid	DI Leach	
890-8151-1 MSD	HA - 1	Soluble	Solid	DI Leach	

Leach Batch: 110120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8151-6	HA - 2	Soluble	Solid	DI Leach	
890-8151-7	HA - 3	Soluble	Solid	DI Leach	
890-8151-8	HA - 3	Soluble	Solid	DI Leach	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-8151-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 110120 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8151-9	HA - 4	Soluble	Solid	DI Leach	
890-8151-10	HA - 4	Soluble	Solid	DI Leach	
890-8151-11	HA - 4	Soluble	Solid	DI Leach	
890-8151-12	HA - 5	Soluble	Solid	DI Leach	
890-8151-13	HA - 5	Soluble	Solid	DI Leach	
890-8151-14	HA - 6	Soluble	Solid	DI Leach	
890-8151-15	HA - 6	Soluble	Solid	DI Leach	
MB 880-110120/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-110120/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-110120/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8151-6 MS	HA - 2	Soluble	Solid	DI Leach	
890-8151-6 MSD	HA - 2	Soluble	Solid	DI Leach	

Analysis Batch: 110138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8151-1	HA - 1	Soluble	Solid	300.0	110118
890-8151-2	HA - 1	Soluble	Solid	300.0	110118
890-8151-3	HA - 1	Soluble	Solid	300.0	110118
890-8151-4	HA - 2	Soluble	Solid	300.0	110118
890-8151-5	HA - 2	Soluble	Solid	300.0	110118
MB 880-110118/1-A	Method Blank	Soluble	Solid	300.0	110118
LCS 880-110118/2-A	Lab Control Sample	Soluble	Solid	300.0	110118
LCSD 880-110118/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	110118
890-8151-1 MS	HA - 1	Soluble	Solid	300.0	110118
890-8151-1 MSD	HA - 1	Soluble	Solid	300.0	110118

Analysis Batch: 110142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8151-6	HA - 2	Soluble	Solid	300.0	110120
890-8151-7	HA - 3	Soluble	Solid	300.0	110120
890-8151-8	HA - 3	Soluble	Solid	300.0	110120
890-8151-9	HA - 4	Soluble	Solid	300.0	110120
890-8151-10	HA - 4	Soluble	Solid	300.0	110120
890-8151-11	HA - 4	Soluble	Solid	300.0	110120
890-8151-12	HA - 5	Soluble	Solid	300.0	110120
890-8151-13	HA - 5	Soluble	Solid	300.0	110120
890-8151-14	HA - 6	Soluble	Solid	300.0	110120
890-8151-15	HA - 6	Soluble	Solid	300.0	110120
MB 880-110120/1-A	Method Blank	Soluble	Solid	300.0	110120
LCS 880-110120/2-A	Lab Control Sample	Soluble	Solid	300.0	110120
LCSD 880-110120/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	110120
890-8151-6 MS	HA - 2	Soluble	Solid	300.0	110120
890-8151-6 MSD	HA - 2	Soluble	Solid	300.0	110120

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-8151-1
SDG: Lea County, NM

Client Sample ID: HA - 1
Date Collected: 05/12/25 13:00
Date Received: 05/13/25 10:15

Lab Sample ID: 890-8151-1
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			5.04 g	5 mL	110058	05/14/25 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/14/25 13:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110143	05/14/25 13:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			110241	05/15/25 06:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	110083	05/14/25 08:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110095	05/15/25 06:19	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	110118	05/14/25 11:22	SA	EET MID
Soluble	Analysis	300.0		1			110138	05/14/25 16:43	CH	EET MID

Client Sample ID: HA - 1
Date Collected: 05/12/25 13:05
Date Received: 05/13/25 10:15

Lab Sample ID: 890-8151-2
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	110058	05/14/25 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/14/25 13:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110143	05/14/25 13:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			110241	05/15/25 06:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	110083	05/14/25 08:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110095	05/15/25 06:34	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	110118	05/14/25 11:22	SA	EET MID
Soluble	Analysis	300.0		1			110138	05/14/25 17:04	CH	EET MID

Client Sample ID: HA - 1
Date Collected: 05/12/25 13:10
Date Received: 05/13/25 10:15

Lab Sample ID: 890-8151-3
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			5.05 g	5 mL	110058	05/14/25 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/14/25 14:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110143	05/14/25 14:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			110241	05/15/25 06:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	110083	05/14/25 08:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110095	05/15/25 06:49	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	110118	05/14/25 11:22	SA	EET MID
Soluble	Analysis	300.0		1			110138	05/14/25 17:11	CH	EET MID

Client Sample ID: HA - 2
Date Collected: 05/12/25 13:25
Date Received: 05/13/25 10:15

Lab Sample ID: 890-8151-4
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			5.02 g	5 mL	110058	05/14/25 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/14/25 14:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110143	05/14/25 14:33	SM	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-8151-1
SDG: Lea County, NM

Client Sample ID: HA - 2
Date Collected: 05/12/25 13:25
Date Received: 05/13/25 10:15

Lab Sample ID: 890-8151-4
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			110241	05/14/25 17:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	110085	05/14/25 08:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110095	05/14/25 17:47	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	110118	05/14/25 11:22	SA	EET MID
Soluble	Analysis	300.0		10			110138	05/14/25 17:31	CH	EET MID

Client Sample ID: HA - 2
Date Collected: 05/12/25 13:30
Date Received: 05/13/25 10:15

Lab Sample ID: 890-8151-5
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	110058	05/14/25 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/14/25 14:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110143	05/14/25 14:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			110241	05/14/25 18:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	110085	05/14/25 08:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110095	05/14/25 18:32	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	110118	05/14/25 11:22	SA	EET MID
Soluble	Analysis	300.0		10			110138	05/14/25 17:38	CH	EET MID

Client Sample ID: HA - 2
Date Collected: 05/12/25 13:45
Date Received: 05/13/25 10:15

Lab Sample ID: 890-8151-6
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	110058	05/14/25 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/14/25 16:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110143	05/14/25 16:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			110241	05/14/25 18:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	110085	05/14/25 08:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110095	05/14/25 18:47	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	110120	05/14/25 11:24	SA	EET MID
Soluble	Analysis	300.0		10			110142	05/14/25 16:03	CH	EET MID

Client Sample ID: HA - 3
Date Collected: 05/12/25 13:55
Date Received: 05/13/25 10:15

Lab Sample ID: 890-8151-7
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	110058	05/14/25 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/14/25 16:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110143	05/14/25 16:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			110241	05/14/25 19:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	110085	05/14/25 08:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110095	05/14/25 19:02	TKC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-8151-1
SDG: Lea County, NM

Client Sample ID: HA - 3

Date Collected: 05/12/25 13:55
Date Received: 05/13/25 10:15

Lab Sample ID: 890-8151-7
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			4.95 g	50 mL	110120	05/14/25 11:24	SA	EET MID
Soluble	Analysis	300.0		1			110142	05/14/25 16:19	CH	EET MID

Client Sample ID: HA - 3

Date Collected: 05/12/25 14:00
Date Received: 05/13/25 10:15

Lab Sample ID: 890-8151-8
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	110058	05/14/25 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/14/25 17:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110143	05/14/25 17:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			110241	05/14/25 19:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	110085	05/14/25 08:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110095	05/14/25 19:18	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	110120	05/14/25 11:24	SA	EET MID
Soluble	Analysis	300.0		1			110142	05/14/25 16:24	CH	EET MID

Client Sample ID: HA - 4

Date Collected: 05/12/25 13:35
Date Received: 05/13/25 10:15

Lab Sample ID: 890-8151-9
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	110058	05/14/25 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/14/25 17:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110143	05/14/25 17:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			110241	05/14/25 19:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	110085	05/14/25 08:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110095	05/14/25 19:33	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	110120	05/14/25 11:24	SA	EET MID
Soluble	Analysis	300.0		10			110142	05/14/25 16:29	CH	EET MID

Client Sample ID: HA - 4

Date Collected: 05/12/25 13:40
Date Received: 05/13/25 10:15

Lab Sample ID: 890-8151-10
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			4.99 g	5 mL	110058	05/14/25 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/14/25 17:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110143	05/14/25 17:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			110241	05/14/25 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	110085	05/14/25 08:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110095	05/14/25 19:48	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	110120	05/14/25 11:24	SA	EET MID
Soluble	Analysis	300.0		10			110142	05/14/25 16:34	CH	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-8151-1
SDG: Lea County, NM

Client Sample ID: HA - 4

Date Collected: 05/12/25 13:50
Date Received: 05/13/25 10:15

Lab Sample ID: 890-8151-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	110058	05/14/25 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/14/25 18:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110143	05/14/25 18:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			110241	05/14/25 20:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	110085	05/14/25 08:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110095	05/14/25 20:03	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	110120	05/14/25 11:24	SA	EET MID
Soluble	Analysis	300.0		5			110142	05/14/25 16:50	CH	EET MID

Client Sample ID: HA - 5

Date Collected: 05/12/25 13:15
Date Received: 05/13/25 10:15

Lab Sample ID: 890-8151-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	110058	05/14/25 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/14/25 18:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110143	05/14/25 18:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			110241	05/14/25 20:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	110085	05/14/25 08:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110095	05/14/25 20:18	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	110120	05/14/25 11:24	SA	EET MID
Soluble	Analysis	300.0		1			110142	05/14/25 16:55	CH	EET MID

Client Sample ID: HA - 5

Date Collected: 05/12/25 13:20
Date Received: 05/13/25 10:15

Lab Sample ID: 890-8151-13
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	110058	05/14/25 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/14/25 18:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110143	05/14/25 18:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			110241	05/14/25 20:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	110085	05/14/25 08:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110095	05/14/25 20:32	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	110120	05/14/25 11:24	SA	EET MID
Soluble	Analysis	300.0		1			110142	05/14/25 17:00	CH	EET MID

Client Sample ID: HA - 6

Date Collected: 05/12/25 14:05
Date Received: 05/13/25 10:15

Lab Sample ID: 890-8151-14
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	110058	05/14/25 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/14/25 19:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110143	05/14/25 19:12	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-8151-1
Project/Site: Boomslang 14 CTB 1
SDG: Lea County, NM

Client Sample ID: HA - 6
Lab Sample ID: 890-8151-14
Date Collected: 05/12/25 14:05
Matrix: Solid
Date Received: 05/13/25 10:15

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			110241	05/14/25 21:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	110085	05/14/25 08:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110095	05/14/25 21:02	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	110120	05/14/25 11:24	SA	EET MID
Soluble	Analysis	300.0		1			110142	05/14/25 17:06	CH	EET MID

Client Sample ID: HA - 6
Lab Sample ID: 890-8151-15
Date Collected: 05/12/25 14:10
Matrix: Solid
Date Received: 05/13/25 10:15

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	110058	05/14/25 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/14/25 19:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110143	05/14/25 19:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			110241	05/14/25 21:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	110085	05/14/25 08:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110095	05/14/25 21:17	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	110120	05/14/25 11:24	SA	EET MID
Soluble	Analysis	300.0		1			110142	05/14/25 17:11	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8151-1
Project/Site: Boomslang 14 CTB 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	06-30-25

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-8151-1
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: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-8151-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8151-1	HA - 1	Solid	05/12/25 13:00	05/13/25 10:15	0.5
890-8151-2	HA - 1	Solid	05/12/25 13:05	05/13/25 10:15	1
890-8151-3	HA - 1	Solid	05/12/25 13:10	05/13/25 10:15	2
890-8151-4	HA - 2	Solid	05/12/25 13:25	05/13/25 10:15	0.5
890-8151-5	HA - 2	Solid	05/12/25 13:30	05/13/25 10:15	1
890-8151-6	HA - 2	Solid	05/12/25 13:45	05/13/25 10:15	2
890-8151-7	HA - 3	Solid	05/12/25 13:55	05/13/25 10:15	0.5
890-8151-8	HA - 3	Solid	05/12/25 14:00	05/13/25 10:15	1
890-8151-9	HA - 4	Solid	05/12/25 13:35	05/13/25 10:15	0.5
890-8151-10	HA - 4	Solid	05/12/25 13:40	05/13/25 10:15	1
890-8151-11	HA - 4	Solid	05/12/25 13:50	05/13/25 10:15	2
890-8151-12	HA - 5	Solid	05/12/25 13:15	05/13/25 10:15	0.5
890-8151-13	HA - 5	Solid	05/12/25 13:20	05/13/25 10:15	1
890-8151-14	HA - 6	Solid	05/12/25 14:05	05/13/25 10:15	0.5
890-8151-15	HA - 6	Solid	05/12/25 14:10	05/13/25 10:15	1

eurofins | Environment Testing Xenco

Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 2

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net

Work Order Comments

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

Project Name:	Boomslang 14 CTB 1	**Turn Around**	
Project Number:	342	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	~~Routine TAT~~
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
PO/WO #:	21574752		

SAMPLE RECEIPT	Temp Blank: (Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TNM007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-7.8
Total Containers:		Corrected Temperature:	-7.6

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	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
HA-1	S	5.12.25	13:00	0.5	Grab	1	X	X	X			Incident Number
HA-1	S	5.12.25	13:05	1	Grab	1	X	X	X			nAPP2511542418
HA-1	S	5.12.25	13:10	2	Grab	1	X	X	X			
HA-2	S	5.12.25	13:25	0.5	Grab	1	X	X	X			
HA-2	S	5.12.25	13:30	1	Grab	1	X	X	X			
HA-2	S	5.12.25	13:45	2	Grab	1	X	X	X			
HA-3	S	5.12.25	13:55	0.5	Grab	1	X	X	X			
HA-3	S	5.12.25	14:00	1	Grab	1	X	X	X			
HA-4	S	5.12.25	13:35	0.5	Grab	1	X	X	X			

890-8151 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
Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0		5/13 10:15	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

eurofins | Environment Testing Xenco

Chain of Custody

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

Work Order No: _____

www.xenco.com Page 2 of 2

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net

Work Order Comments

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

Project Name:	Boomslang 14 CTB 1	**Turn Around**	
Project Number:	342	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	Routine TAT
~~Sampler's Name:~~	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
PO/WO #:	21574752		

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:	-7.8
Total Containers:		Corrected Temperature:	-7.6

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	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	Pres. Code	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
HA-4	S	5.12.25	13:40	1	Grab	1		X	X	X			Incident Number
HA-4	S	5.12.25	13:50	2	Grab	1		X	X	X			nAPP2511542418
HA-5	S	5.12.25	13:15	0.5	Grab	1		X	X	X			
HA-5	S	5.12.25	13:20	1	Grab	1		X	X	X			
HA-6	S	5.12.25	14:05	0.5	Grab	1		X	X	X			
HA-6	S	5.12.25	14:10	1	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
Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0 Gilbert	Brian	5/13 10:15	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8151-1
SDG Number: Lea County, NM

Login Number: 8151
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8151-1
SDG Number: Lea County, NM

Login Number: 8151
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 05/14/25 07:50 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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/13/2025 9:24:48 AM Revision 2

JOB DESCRIPTION

Boomslang 14 CTB 1
Lea County, NM

JOB NUMBER

890-9016-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

my EOL

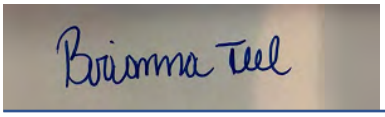
Eurofins Carlsbad

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
11/13/2025 9:24:48 AM
Revision 2

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

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Laboratory Job ID: 890-9016-1
SDG: Lea County, NM

Table of Contents

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9016-1
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: Earth Systems Response and Restoration Job ID: 890-9016-1
Project: Boomslang 14 CTB 1

Job ID: 890-9016-1 Eurofins Carlsbad

Job Narrative
890-9016-1

REVISION

The report being provided is a revision of the original report sent on 11/11/2025. The report (revision 2) is being revised due to Revised to correct project name to "Boomslang".

Report revision history
Revision 1 - 11/11/2025 - Reason - Revised to correct project name to "Boomsiang 14 CTB 1" (per client email).

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 11/5/2025 8:40 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 -7.8°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: HA-7 (890-9016-1), HA-8 (890-9016-2), HA-8 (890-9016-3), HA-9 (890-9016-4), HA-9 (890-9016-5), HA-9 (890-9016-6), HA-10 (890-9016-7) and HA-10 (890-9016-8).

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: The continuing calibration verification (CCV) associated with batch 880-123454 recovered outside the control limit for Gasoline Range Organics (GRO)-C6-C10. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is:(CCV 880-123454/5).

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-123216 and analytical batch 880-123454 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-123216/2-A), (LCSD 880-123216/3-A), (890-9015-A-7-B) and (890-9015-A-7-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.

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: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9016-1
SDG: Lea County, NM

Client Sample ID: HA-7

Date Collected: 11/04/25 09:00
Date Received: 11/05/25 08:40
Sample Depth: 0.5

Lab Sample ID: 890-9016-1

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		11/06/25 16:42	11/09/25 13:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/06/25 16:42	11/09/25 13:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/06/25 16:42	11/09/25 13:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/06/25 16:42	11/09/25 13:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/06/25 16:42	11/09/25 13:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/06/25 16:42	11/09/25 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*11/06/25 16:42*	*11/09/25 13:04*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*11/06/25 16:42*	*11/09/25 13:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/09/25 13:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**53.1**		49.6		mg/Kg			11/10/25 14:29	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	<49.6	U	49.6		mg/Kg		11/06/25 16:55	11/10/25 14:29	1
Diesel Range Organics (Over C10-C28)	**53.1**		49.6		mg/Kg		11/06/25 16:55	11/10/25 14:29	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/06/25 16:55	11/10/25 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*11/06/25 16:55*	*11/10/25 14:29*	*1*
o-Terphenyl	*124*		*70 - 130*	*11/06/25 16:55*	*11/10/25 14:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**124**		10.1		mg/Kg			11/08/25 19:23	1

Client Sample ID: HA-8

Date Collected: 11/04/25 09:05
Date Received: 11/05/25 08:40
Sample Depth: 0.5

Lab Sample ID: 890-9016-2

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/06/25 16:42	11/09/25 13:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/06/25 16:42	11/09/25 13:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/06/25 16:42	11/09/25 13:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/06/25 16:42	11/09/25 13:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/06/25 16:42	11/09/25 13:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/06/25 16:42	11/09/25 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*11/06/25 16:42*	*11/09/25 13:25*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9016-1
SDG: Lea County, NM

Client Sample ID: HA-8
Date Collected: 11/04/25 09:05
Date Received: 11/05/25 08:40
Sample Depth: 0.5

Lab Sample ID: 890-9016-2
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*11/06/25 16:42*	*11/09/25 13:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/09/25 13:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/10/25 14:49	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	<49.8	U	49.8		mg/Kg		11/06/25 16:55	11/10/25 14:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/06/25 16:55	11/10/25 14:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/06/25 16:55	11/10/25 14:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*11/06/25 16:55*	*11/10/25 14:49*	*1*
o-Terphenyl	*118*		*70 - 130*	*11/06/25 16:55*	*11/10/25 14:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**882**		10.1		mg/Kg			11/08/25 19:29	1

Client Sample ID: HA-8
Date Collected: 11/04/25 09:10
Date Received: 11/05/25 08:40
Sample Depth: 1

Lab Sample ID: 890-9016-3
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		11/06/25 16:42	11/09/25 13:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/06/25 16:42	11/09/25 13:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/06/25 16:42	11/09/25 13:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/06/25 16:42	11/09/25 13:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/06/25 16:42	11/09/25 13:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/06/25 16:42	11/09/25 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*11/06/25 16:42*	*11/09/25 13:46*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*11/06/25 16:42*	*11/09/25 13:46*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/09/25 13:46	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			11/10/25 15:08	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9016-1
SDG: Lea County, NM

Client Sample ID: HA-8

Date Collected: 11/04/25 09:10
Date Received: 11/05/25 08:40
Sample Depth: 1

Lab Sample ID: 890-9016-3
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	<49.9	U	49.9		mg/Kg		11/06/25 16:55	11/10/25 15:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/06/25 16:55	11/10/25 15:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/06/25 16:55	11/10/25 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*11/06/25 16:55*	*11/10/25 15:08*	*1*
o-Terphenyl	*108*		*70 - 130*	*11/06/25 16:55*	*11/10/25 15:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1150**		49.8		mg/Kg			11/08/25 19:34	5

Client Sample ID: HA-9

Date Collected: 11/04/25 09:15
Date Received: 11/05/25 08:40
Sample Depth: 0.5

Lab Sample ID: 890-9016-4
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		11/06/25 16:42	11/09/25 14:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/06/25 16:42	11/09/25 14:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/06/25 16:42	11/09/25 14:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/06/25 16:42	11/09/25 14:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/06/25 16:42	11/09/25 14:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/06/25 16:42	11/09/25 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*11/06/25 16:42*	*11/09/25 14:06*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*11/06/25 16:42*	*11/09/25 14:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/09/25 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/10/25 15:27	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		11/06/25 16:55	11/10/25 15:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/06/25 16:55	11/10/25 15:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/06/25 16:55	11/10/25 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*11/06/25 16:55*	*11/10/25 15:27*	*1*
o-Terphenyl	*120*		*70 - 130*	*11/06/25 16:55*	*11/10/25 15:27*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9016-1
SDG: Lea County, NM

Client Sample ID: HA-9
Date Collected: 11/04/25 09:15
Date Received: 11/05/25 08:40
Sample Depth: 0.5

Lab Sample ID: 890-9016-4
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1520		49.9		mg/Kg			11/08/25 19:40	5

Client Sample ID: HA-9
Date Collected: 11/04/25 09:20
Date Received: 11/05/25 08:40
Sample Depth: 1

Lab Sample ID: 890-9016-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/06/25 16:42	11/09/25 14:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/06/25 16:42	11/09/25 14:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/06/25 16:42	11/09/25 14:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/06/25 16:42	11/09/25 14:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/06/25 16:42	11/09/25 14:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/06/25 16:42	11/09/25 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*11/06/25 16:42*	*11/09/25 14:27*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*11/06/25 16:42*	*11/09/25 14:27*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/09/25 14:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/10/25 16:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/06/25 16:55	11/10/25 16:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/06/25 16:55	11/10/25 16:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/06/25 16:55	11/10/25 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*11/06/25 16:55*	*11/10/25 16:05*	*1*
o-Terphenyl	*91*		*70 - 130*	*11/06/25 16:55*	*11/10/25 16:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	467		10.0		mg/Kg			11/08/25 19:46	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9016-1
SDG: Lea County, NM

Client Sample ID: HA-9

Date Collected: 11/04/25 09:25
Date Received: 11/05/25 08:40
Sample Depth: 2

Lab Sample ID: 890-9016-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/06/25 16:42	11/09/25 14:47	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/06/25 16:42	11/09/25 14:47	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/06/25 16:42	11/09/25 14:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/06/25 16:42	11/09/25 14:47	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/06/25 16:42	11/09/25 14:47	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/06/25 16:42	11/09/25 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*11/06/25 16:42*	*11/09/25 14:47*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*11/06/25 16:42*	*11/09/25 14:47*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/09/25 14:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/10/25 16:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/06/25 16:55	11/10/25 16:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/06/25 16:55	11/10/25 16:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/06/25 16:55	11/10/25 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*11/06/25 16:55*	*11/10/25 16:25*	*1*
o-Terphenyl	*107*		*70 - 130*	*11/06/25 16:55*	*11/10/25 16:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**452**		9.90		mg/Kg			11/08/25 19:52	1

Client Sample ID: HA-10

Date Collected: 11/04/25 09:30
Date Received: 11/05/25 08:40
Sample Depth: 0.5

Lab Sample ID: 890-9016-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/06/25 16:42	11/09/25 15:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/06/25 16:42	11/09/25 15:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/06/25 16:42	11/09/25 15:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/06/25 16:42	11/09/25 15:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/06/25 16:42	11/09/25 15:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/06/25 16:42	11/09/25 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*11/06/25 16:42*	*11/09/25 15:08*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9016-1
SDG: Lea County, NM

Client Sample ID: HA-10
Date Collected: 11/04/25 09:30
Date Received: 11/05/25 08:40
Sample Depth: 0.5

Lab Sample ID: 890-9016-7
Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*11/06/25 16:42*	*11/09/25 15:08*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/09/25 15:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/10/25 16:43	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		11/06/25 16:55	11/10/25 16:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/06/25 16:55	11/10/25 16:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/06/25 16:55	11/10/25 16:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*95*		*70 - 130*	*11/06/25 16:55*	*11/10/25 16:43*	*1*
o-Terphenyl	*93*		*70 - 130*	*11/06/25 16:55*	*11/10/25 16:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**131**		10.1		mg/Kg			11/08/25 19:58	1

Client Sample ID: HA-10
Date Collected: 11/04/25 09:35
Date Received: 11/05/25 08:40
Sample Depth: 1

Lab Sample ID: 890-9016-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/06/25 16:42	11/09/25 15:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/06/25 16:42	11/09/25 15:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/06/25 16:42	11/09/25 15:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/06/25 16:42	11/09/25 15:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/06/25 16:42	11/09/25 15:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/06/25 16:42	11/09/25 15:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*11/06/25 16:42*	*11/09/25 15:28*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/06/25 16:42*	*11/09/25 15:28*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/09/25 15:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/10/25 17:02	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9016-1
SDG: Lea County, NM

Client Sample ID: HA-10

Date Collected: 11/04/25 09:35
Date Received: 11/05/25 08:40
Sample Depth: 1

Lab Sample ID: 890-9016-8

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		11/06/25 16:55	11/10/25 17:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/06/25 16:55	11/10/25 17:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/06/25 16:55	11/10/25 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*11/06/25 16:55*	*11/10/25 17:02*	*1*
o-Terphenyl	*101*		*70 - 130*	*11/06/25 16:55*	*11/10/25 17:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**131**		10.0		mg/Kg			11/06/25 15:07	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9016-1
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)
890-9016-1	HA-7	106	106
890-9016-2	HA-8	105	105
890-9016-3	HA-8	105	92
890-9016-4	HA-9	109	105
890-9016-5	HA-9	113	103
890-9016-6	HA-9	114	93
890-9016-7	HA-10	106	94
890-9016-8	HA-10	105	102
LCS 880-123214/1-A	Lab Control Sample	99	110
LCSD 880-123214/2-A	Lab Control Sample Dup	99	98
MB 880-122984/5-A	Method Blank	114	90
MB 880-123214/5-A	Method Blank	111	97

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)
890-9016-1	HA-7	122	124
890-9016-2	HA-8	106	118
890-9016-3	HA-8	114	108
890-9016-4	HA-9	113	120
890-9016-5	HA-9	89	91
890-9016-6	HA-9	102	107
890-9016-7	HA-10	95	93
890-9016-8	HA-10	93	101
LCS 880-123216/2-A	Lab Control Sample	161 S1+	144 S1+
LCSD 880-123216/3-A	Lab Control Sample Dup	160 S1+	156 S1+
MB 880-123216/1-A	Method Blank	147 S1+	133 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9016-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-122984/5-A
Matrix: Solid
Analysis Batch: 123252

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 122984

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/05/25 10:57	11/08/25 21:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/05/25 10:57	11/08/25 21:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/05/25 10:57	11/08/25 21:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/05/25 10:57	11/08/25 21:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/05/25 10:57	11/08/25 21:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/05/25 10:57	11/08/25 21:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*11/05/25 10:57*	*11/08/25 21:05*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*11/05/25 10:57*	*11/08/25 21:05*	*1*

Lab Sample ID: MB 880-123214/5-A
Matrix: Solid
Analysis Batch: 123252

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 123214

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/06/25 16:42	11/09/25 08:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/06/25 16:42	11/09/25 08:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/06/25 16:42	11/09/25 08:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/06/25 16:42	11/09/25 08:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/06/25 16:42	11/09/25 08:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/06/25 16:42	11/09/25 08:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*11/06/25 16:42*	*11/09/25 08:04*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*11/06/25 16:42*	*11/09/25 08:04*	*1*

Lab Sample ID: LCS 880-123214/1-A
Matrix: Solid
Analysis Batch: 123252

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 123214

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1126		mg/Kg		113	70 - 130
Toluene	0.100	0.08974		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.1034		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.2122		mg/Kg		106	70 - 130
o-Xylene	0.100	0.1088		mg/Kg		109	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: LCSD 880-123214/2-A
Matrix: Solid
Analysis Batch: 123252

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 123214

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1095		mg/Kg		110	70 - 130	3	35

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9016-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-123214/2-A
Matrix: Solid
Analysis Batch: 123252

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 123214

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.08879		mg/Kg		89	70 - 130	1	35
Ethylbenzene			0.100	0.07862		mg/Kg		79	70 - 130	27	35
m-Xylene & p-Xylene			0.200	0.1568		mg/Kg		78	70 - 130	30	35
o-Xylene			0.100	0.08189		mg/Kg		82	70 - 130	28	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

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

Lab Sample ID: MB 880-123216/1-A
Matrix: Solid
Analysis Batch: 123454

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 123216

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/06/25 16:55	11/10/25 08:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/06/25 16:55	11/10/25 08:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/06/25 16:55	11/10/25 08:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*147*	*S1+*	*70 - 130*	*11/06/25 16:55*	*11/10/25 08:21*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*11/06/25 16:55*	*11/10/25 08:21*	*1*

Lab Sample ID: LCS 880-123216/2-A
Matrix: Solid
Analysis Batch: 123454

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 123216

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1187		mg/Kg		119	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1096		mg/Kg		110	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*161*	*S1+*	*70 - 130*
o-Terphenyl	*144*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-123216/3-A
Matrix: Solid
Analysis Batch: 123454

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 123216

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1131		mg/Kg		113	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	1162		mg/Kg		116	70 - 130	6	20

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9016-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-123216/3-A
Matrix: Solid
Analysis Batch: 123454

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 123216

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*160*	*S1+*	*70 - 130*
o-Terphenyl	*156*	*S1+*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-123057/1-A
Matrix: Solid
Analysis Batch: 123096

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			11/06/25 12:41	1

Lab Sample ID: LCS 880-123057/2-A
Matrix: Solid
Analysis Batch: 123096

Client Sample ID: Lab Control Sample
Prep Type: Soluble

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

Lab Sample ID: LCSD 880-123057/3-A
Matrix: Solid
Analysis Batch: 123096

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	235.3		mg/Kg		94	90 - 110	1	20

Lab Sample ID: MB 880-123059/1-A
Matrix: Solid
Analysis Batch: 123263

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			11/08/25 17:02	1

Lab Sample ID: LCS 880-123059/2-A
Matrix: Solid
Analysis Batch: 123263

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	232.6		mg/Kg		93	90 - 110		

Lab Sample ID: LCSD 880-123059/3-A
Matrix: Solid
Analysis Batch: 123263

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	232.9		mg/Kg		93	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9016-1
SDG: Lea County, NM

GC VOA

Prep Batch: 122984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-122984/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 123214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9016-1	HA-7	Total/NA	Solid	5035	
890-9016-2	HA-8	Total/NA	Solid	5035	
890-9016-3	HA-8	Total/NA	Solid	5035	
890-9016-4	HA-9	Total/NA	Solid	5035	
890-9016-5	HA-9	Total/NA	Solid	5035	
890-9016-6	HA-9	Total/NA	Solid	5035	
890-9016-7	HA-10	Total/NA	Solid	5035	
890-9016-8	HA-10	Total/NA	Solid	5035	
MB 880-123214/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-123214/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-123214/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 123252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9016-1	HA-7	Total/NA	Solid	8021B	123214
890-9016-2	HA-8	Total/NA	Solid	8021B	123214
890-9016-3	HA-8	Total/NA	Solid	8021B	123214
890-9016-4	HA-9	Total/NA	Solid	8021B	123214
890-9016-5	HA-9	Total/NA	Solid	8021B	123214
890-9016-6	HA-9	Total/NA	Solid	8021B	123214
890-9016-7	HA-10	Total/NA	Solid	8021B	123214
890-9016-8	HA-10	Total/NA	Solid	8021B	123214
MB 880-122984/5-A	Method Blank	Total/NA	Solid	8021B	122984
MB 880-123214/5-A	Method Blank	Total/NA	Solid	8021B	123214
LCS 880-123214/1-A	Lab Control Sample	Total/NA	Solid	8021B	123214
LCSD 880-123214/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	123214

Analysis Batch: 123538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9016-1	HA-7	Total/NA	Solid	Total BTEX	
890-9016-2	HA-8	Total/NA	Solid	Total BTEX	
890-9016-3	HA-8	Total/NA	Solid	Total BTEX	
890-9016-4	HA-9	Total/NA	Solid	Total BTEX	
890-9016-5	HA-9	Total/NA	Solid	Total BTEX	
890-9016-6	HA-9	Total/NA	Solid	Total BTEX	
890-9016-7	HA-10	Total/NA	Solid	Total BTEX	
890-9016-8	HA-10	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 123216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9016-1	HA-7	Total/NA	Solid	8015NM Prep	
890-9016-2	HA-8	Total/NA	Solid	8015NM Prep	
890-9016-3	HA-8	Total/NA	Solid	8015NM Prep	
890-9016-4	HA-9	Total/NA	Solid	8015NM Prep	
890-9016-5	HA-9	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9016-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 123216 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9016-6	HA-9	Total/NA	Solid	8015NM Prep	
890-9016-7	HA-10	Total/NA	Solid	8015NM Prep	
890-9016-8	HA-10	Total/NA	Solid	8015NM Prep	
MB 880-123216/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-123216/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-123216/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 123454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9016-1	HA-7	Total/NA	Solid	8015B NM	123216
890-9016-2	HA-8	Total/NA	Solid	8015B NM	123216
890-9016-3	HA-8	Total/NA	Solid	8015B NM	123216
890-9016-4	HA-9	Total/NA	Solid	8015B NM	123216
890-9016-5	HA-9	Total/NA	Solid	8015B NM	123216
890-9016-6	HA-9	Total/NA	Solid	8015B NM	123216
890-9016-7	HA-10	Total/NA	Solid	8015B NM	123216
890-9016-8	HA-10	Total/NA	Solid	8015B NM	123216
MB 880-123216/1-A	Method Blank	Total/NA	Solid	8015B NM	123216
LCS 880-123216/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	123216
LCSD 880-123216/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	123216

Analysis Batch: 123700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9016-1	HA-7	Total/NA	Solid	8015 NM	
890-9016-2	HA-8	Total/NA	Solid	8015 NM	
890-9016-3	HA-8	Total/NA	Solid	8015 NM	
890-9016-4	HA-9	Total/NA	Solid	8015 NM	
890-9016-5	HA-9	Total/NA	Solid	8015 NM	
890-9016-6	HA-9	Total/NA	Solid	8015 NM	
890-9016-7	HA-10	Total/NA	Solid	8015 NM	
890-9016-8	HA-10	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 123057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9016-8	HA-10	Soluble	Solid	DI Leach	
MB 880-123057/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-123057/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-123057/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 123059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9016-1	HA-7	Soluble	Solid	DI Leach	
890-9016-2	HA-8	Soluble	Solid	DI Leach	
890-9016-3	HA-8	Soluble	Solid	DI Leach	
890-9016-4	HA-9	Soluble	Solid	DI Leach	
890-9016-5	HA-9	Soluble	Solid	DI Leach	
890-9016-6	HA-9	Soluble	Solid	DI Leach	
890-9016-7	HA-10	Soluble	Solid	DI Leach	
MB 880-123059/1-A	Method Blank	Soluble	Solid	DI Leach	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9016-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 123059 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-123059/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-123059/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 123096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9016-8	HA-10	Soluble	Solid	300.0	123057
MB 880-123057/1-A	Method Blank	Soluble	Solid	300.0	123057
LCS 880-123057/2-A	Lab Control Sample	Soluble	Solid	300.0	123057
LCSD 880-123057/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	123057

Analysis Batch: 123263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9016-1	HA-7	Soluble	Solid	300.0	123059
890-9016-2	HA-8	Soluble	Solid	300.0	123059
890-9016-3	HA-8	Soluble	Solid	300.0	123059
890-9016-4	HA-9	Soluble	Solid	300.0	123059
890-9016-5	HA-9	Soluble	Solid	300.0	123059
890-9016-6	HA-9	Soluble	Solid	300.0	123059
890-9016-7	HA-10	Soluble	Solid	300.0	123059
MB 880-123059/1-A	Method Blank	Soluble	Solid	300.0	123059
LCS 880-123059/2-A	Lab Control Sample	Soluble	Solid	300.0	123059
LCSD 880-123059/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	123059

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9016-1
SDG: Lea County, NM

Client Sample ID: HA-7
Date Collected: 11/04/25 09:00
Date Received: 11/05/25 08:40

Lab Sample ID: 890-9016-1
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	123214	11/06/25 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123252	11/09/25 13:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123538	11/09/25 13:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			123700	11/10/25 14:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	123216	11/06/25 16:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123454	11/10/25 14:29	SA	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	123059	11/05/25 16:31	SA	EET MID
Soluble	Analysis	300.0		1			123263	11/08/25 19:23	CS	EET MID

Client Sample ID: HA-8
Date Collected: 11/04/25 09:05
Date Received: 11/05/25 08:40

Lab Sample ID: 890-9016-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	123214	11/06/25 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123252	11/09/25 13:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123538	11/09/25 13:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			123700	11/10/25 14:49	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	123216	11/06/25 16:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123454	11/10/25 14:49	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	123059	11/05/25 16:31	SA	EET MID
Soluble	Analysis	300.0		1			123263	11/08/25 19:29	CS	EET MID

Client Sample ID: HA-8
Date Collected: 11/04/25 09:10
Date Received: 11/05/25 08:40

Lab Sample ID: 890-9016-3
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	123214	11/06/25 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123252	11/09/25 13:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123538	11/09/25 13:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			123700	11/10/25 15:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	123216	11/06/25 16:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123454	11/10/25 15:08	SA	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	123059	11/05/25 16:31	SA	EET MID
Soluble	Analysis	300.0		5			123263	11/08/25 19:34	CS	EET MID

Client Sample ID: HA-9
Date Collected: 11/04/25 09:15
Date Received: 11/05/25 08:40

Lab Sample ID: 890-9016-4
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	123214	11/06/25 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123252	11/09/25 14:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123538	11/09/25 14:06	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9016-1
SDG: Lea County, NM

Client Sample ID: HA-9
Date Collected: 11/04/25 09:15
Date Received: 11/05/25 08:40

Lab Sample ID: 890-9016-4
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			123700	11/10/25 15:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	123216	11/06/25 16:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123454	11/10/25 15:27	SA	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	123059	11/05/25 16:31	SA	EET MID
Soluble	Analysis	300.0		5			123263	11/08/25 19:40	CS	EET MID

Client Sample ID: HA-9
Date Collected: 11/04/25 09:20
Date Received: 11/05/25 08:40

Lab Sample ID: 890-9016-5
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	123214	11/06/25 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123252	11/09/25 14:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123538	11/09/25 14:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			123700	11/10/25 16:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	123216	11/06/25 16:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123454	11/10/25 16:05	SA	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	123059	11/05/25 16:31	SA	EET MID
Soluble	Analysis	300.0		1			123263	11/08/25 19:46	CS	EET MID

Client Sample ID: HA-9
Date Collected: 11/04/25 09:25
Date Received: 11/05/25 08:40

Lab Sample ID: 890-9016-6
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			4.97 g	5 mL	123214	11/06/25 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123252	11/09/25 14:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123538	11/09/25 14:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			123700	11/10/25 16:25	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	123216	11/06/25 16:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123454	11/10/25 16:25	SA	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	123059	11/05/25 16:31	SA	EET MID
Soluble	Analysis	300.0		1			123263	11/08/25 19:52	CS	EET MID

Client Sample ID: HA-10
Date Collected: 11/04/25 09:30
Date Received: 11/05/25 08:40

Lab Sample ID: 890-9016-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	123214	11/06/25 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123252	11/09/25 15:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123538	11/09/25 15:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			123700	11/10/25 16:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	123216	11/06/25 16:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123454	11/10/25 16:43	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9016-1
SDG: Lea County, NM

Client Sample ID: HA-10
Date Collected: 11/04/25 09:30
Date Received: 11/05/25 08:40

Lab Sample ID: 890-9016-7
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	123059	11/05/25 16:31	SA	EET MID
Soluble	Analysis	300.0		1			123263	11/08/25 19:58	CS	EET MID

Client Sample ID: HA-10
Date Collected: 11/04/25 09:35
Date Received: 11/05/25 08:40

Lab Sample ID: 890-9016-8
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	123214	11/06/25 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123252	11/09/25 15:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123538	11/09/25 15:28	SA	EET MID
Total/NA	Analysis	8015 NM		1			123700	11/10/25 17:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	123216	11/06/25 16:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123454	11/10/25 17:02	SA	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	123057	11/05/25 16:27	SA	EET MID
Soluble	Analysis	300.0		1			123096	11/06/25 15:07	CS	EET MID

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-9016-1
Project/Site: Boomslang 14 CTB 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: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9016-1
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: Earth Systems Response and Restoration
Project/Site: Boomslang 14 CTB 1

Job ID: 890-9016-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9016-1	HA-7	Solid	11/04/25 09:00	11/05/25 08:40	0.5
890-9016-2	HA-8	Solid	11/04/25 09:05	11/05/25 08:40	0.5
890-9016-3	HA-8	Solid	11/04/25 09:10	11/05/25 08:40	1
890-9016-4	HA-9	Solid	11/04/25 09:15	11/05/25 08:40	0.5
890-9016-5	HA-9	Solid	11/04/25 09:20	11/05/25 08:40	1
890-9016-6	HA-9	Solid	11/04/25 09:25	11/05/25 08:40	2
890-9016-7	HA-10	Solid	11/04/25 09:30	11/05/25 08:40	0.5
890-9016-8	HA-10	Solid	11/04/25 09:35	11/05/25 08:40	1

eurofins | Environment Testing Xenco

Chain of Custody

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

890-9016 Chain of Custody

www.xenco.com Page ___ of ___

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net, sgiron@earthsys.net

Work Order Comments

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

Project Name:	Boomslang 14 CTB 1	Turn Around	
Project Number:	342	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21574752		

SAMPLE RECEIPT	Temp Blank: (Yes) No	Wet Ice: (Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	TNN009
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-8.0
Total Containers:		Corrected Temperature:	-7.8

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	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
HA-7	S	11.4.25	9:00	0.5	Grab	1	X	X	X			Incident Number
HA-8	S	11.4.25	9:05	0.5	Grab	1	X	X	X			nAPP2511542418
HA-8	S	11.4.25	9:10	1	Grab	1	X	X	X			
HA-9	S	11.4.25	9:15	0.5	Grab	1	X	X	X			
HA-9	S	11.4.25	9:20	1	Grab	1	X	X	X			
HA-9	S	11.4.25	9:25	2	Grab	1	X	X	X			
HA-10	S	11.4.25	9:30	0.5	Grab	1	X	X	X			
HA-10	S	11.4.25	9:35	1	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
Hg: 1631 / 245.1 / 7470 / 7471

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time		Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0			11/5 840	2			
3				4			
5				6			

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9016-1
SDG Number: Lea County, NM

Login Number: 9016
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9016-1
SDG Number: Lea County, NM

Login Number: 9016
List Number: 2
Creator: Lee, Randall

List Source: Eurofins Midland
List Creation: 11/06/25 03:25 PM

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

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 580008
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2511542418**
Incident Name	**NAPP2511542418 BOOMSLANG 14 CTB 1 @ FAPP2123645228**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**
Incident Facility	**[fAPP2123645228] BOOMSLANG 14 CTB 1**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	BOOMSLANG 14 CTB 1
Date Release Discovered	04/25/2025
Surface Owner	Private

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 | Production Tank | Produced Water | Released: 2,332 BBL | Recovered: 2,330 BBL | Lost: 2 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Piping on water tank developed leak, allowing fluids to escape to lined secondary containment. Small hole in containment allowed small amount of fluids to escape on to pad surface. Free liquids were fully recovered.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 580008
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**

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: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 05/04/2026

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 580008
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

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)	4380
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	53
GRO+DRO (EPA SW-846 Method 8015M)	53
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	02/01/2029
On what date will (or did) the final sampling or liner inspection occur	02/03/2026
On what date will (or was) the remediation complete(d)	02/01/2029
What is the estimated surface area (in square feet) that will be reclaimed	6100
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	6100
What is the estimated volume (in cubic yards) that will be remediated	0
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.	

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 580008
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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	fEEM0112334510 HALFWAY DISPOSAL AND 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: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 05/04/2026
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.	

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 580008
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 580008
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**548119**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**02/03/2026**
What was the (estimated) number of samples that were to be gathered	**5**
What was the sampling surface area in square feet	**200**

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	0
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Devon will reassess the Site during plugging and abandonment activities and address soil concentrations above the reclamation requirements of 100 mg/kg TPH and 600 mg/kg chloride. The final remediation will be confirmed via final confirmation sampling and is subject to change. As such, NFA appears warranted at this time.

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: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 05/04/2026

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 580008
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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

General Information
Phone: (505) 629-6116

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

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

COMMENTS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 580008
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

COMMENTS

Created By	Comment	Comment Date
csmith	Returned to OCD Review, Approval was applied to wrong Application.	6/15/2026

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 580008
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling ops.	7/8/2026