

CLOSURE REPORT

Property:

Turner Hughes #21 MVUnit Letter K, S4 T27N R9W
San Juan County, New Mexico

New Mexico EMNRD OCD Incident ID No. NAPP2432348427

April 4, 2025

Ensolum Project No. 05A1226352

Prepared for:

Enterprise Field Services, LLC

614 Reilly Avenue Farmington, NM 87401 Attn: Mr. Thomas Long

Prepared by:

Chad D'Aponti Project Scientist Kyle Summers Senior Managing Geologist Turner Hughes #21 MV

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1.0 INTRODUCTION

1.1 Site Description & Background

Operator:	Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)
Site Name:	Turner Hughes #21 MV (Site)
NM EMNRD OCD Incident ID No.	NAPP2432348427
Location:	36.601527° North, 107.794283° West Unit Letter K, Section 4, Township 27 North, Range 9 West San Juan County, New Mexico
Property:	Bureau of Land Management (BLM)
Regulatory:	New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On November 10, 2024, Enterprise personnel identified a potential release of natural gas from the Turner Hughes #21 MV well tie pipeline. Enterprise subsequently isolated and locked the pipeline out of service. On November 15, 2024, Enterprise initiated activities to remediate petroleum hydrocarbon impact. On November 18, 2024, Enterprise determined the release was "reportable" due to the potential volume of impacted soil. The NM EMNRD OCD was subsequently notified.

A Topographic Map depicting the location of the Site is included as Figure 1, and a Site Vicinity Map is included as Figure 2 in Appendix A.

1.2 **Project Objective**

The primary objective of the closure activities was to reduce constituent of concern (COC) concentrations in the on-site soils to below the applicable NM EMNRD OCD closure criteria.

2.0 **CLOSURE CRITERIA**

The Site is subject to regulatory oversight by the NM EMNRD OCD. During the evaluation and remediation of the Site, Ensolum, LLC (Ensolum) referenced New Mexico Administrative Code (NMAC) 19.15.29 Releases, which establishes investigation and abatement action requirements for oil and gas release sites that are subject to reporting and/or corrective action. The appropriate closure criteria for sites are determined using the siting requirements outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC. Ensolum utilized the general site characteristics and information available from NM state agency databases and federal agency geospatial databases to determine the appropriate closure criteria for the Site. Supporting figures and documentation associated with the following Siting bullets are provided in **Appendix B**.

- The NM Office of the State Engineer (OSE) tracks the usage and assignment of water rights and water well installations and records this information in the Water Rights Reporting System (WRRS) database. Water wells and other points of diversion (PODs) are each assigned POD numbers in the database (which is searchable and includes an interactive map). No PODs were identified in the same Public Land Survey System (PLSS) section as the Site, and no PODs were identified in the adjacent PLSS sections (Figure A, Appendix B).
- Three cathodic protection wells (CPWs) were identified in the NM EMNRD OCD imaging database in the PLSS section. These CPWs are depicted on Figure B (Appendix B).



Closure Report Enterprise Field Services, LLC Turner Hughes #21 MV

Documentation for the cathodic protection well located near the Turner Hughes #14A production pad indicates a depth to water of 120 feet below grade surface (bgs). This cathodic protection well is located approximately 0.40 miles east of the Site and is approximately 9 feet higher in elevation than the Site. Documentation for the cathodic protection well located near the Turner Hughes #21A production pad indicates a depth to water of 80 feet bgs. This cathodic protection well is located approximately 0.47 miles north of the Site and is approximately 729 feet higher in elevation than the Site. Documentation for the cathodic protection well located near the Turner Hughes #14 production pads indicates a depth to water of 130 feet bgs. This cathodic protection well is located approximately 0.57 miles northeast of the Site and is approximately 44 feet higher in elevation than the Site.

- The Site is located within 300 feet of a NM EMNRD OCD-defined continuously flowing watercourse or significant watercourse (**Figure C**, **Appendix B**). As defined by the NM EMNRD OCD in their training seminar, a first order drainage to a "blue line" ephemeral wash is considered a significant watercourse. The release occurred within such a drainage.
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet of a permanent residence, school, hospital, institution, or church (Figure D, Appendix B).
- No springs, or private domestic freshwater wells used by less than five households for domestic or stock watering purposes were identified within 500 feet of the Site (Figure E, Appendix B).
- No freshwater wells or springs were identified within 1,000 feet of the Site (Figure E, Appendix B).
- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to New Mexico Statutes Annotated (NMSA) 1978, Section 3-27-3.
- Based on information identified in the U.S. Fish & Wildlife Service National Wetlands Inventory
 Wetlands Mapper, the Site is not within 300 feet of a wetland (Figure F, Appendix B). The
 Site is located approximately 300 feet from an 'Intermittently Flooded' (J) riverine, which is not
 designated as a wetland.
- Based on information identified in the NM Mining and Minerals Division's Geographic Information System (GIS) Maps and Mine Data database, the Site is not within an area overlying a subsurface mine (Figure G, Appendix B).
- The Site is not located within an unstable area per Paragraph (6) of Subsection U of 19.15.2.7 NMAC.
- Based on information provided by the Federal Emergency Management Agency (FEMA)
 National Flood Hazard Layer (NFHL) geospatial database, the Site is not within a 100-year
 floodplain (Figure H, Appendix B).

The Site is located within 300 feet of a NM EMNRD OCD-defined continuously flowing watercourse or significant watercourse, resulting in a Tier I ranking. The closure criteria for soils remaining in place at the Site include:



Tier I Closure Criteria for Soils Impacted by a Release					
Constituent ¹	Method	Limit			
Chloride	EPA 300.0 or SM4500 CI B	600 mg/kg			
TPH (GRO+DRO+MRO) ²	EPA SW-846 Method 8015	100 mg/kg			
BTEX ³	EPA SW-846 Method 8021 or 8260	50 mg/kg			
Benzene	EPA SW-846 Method 8021 or 8260	10 mg/kg			

^{1 –} Constituent concentrations are in milligrams per kilogram (mg/kg).

3.0 SOIL REMEDIATION ACTIVITIES

On November 15, 2024, Enterprise initiated activities to remediate petroleum hydrocarbon impact resulting from the release. During the remediation and corrective action activities, Sunland Energy Contractors, Inc., provided heavy equipment and labor support, while Ensolum provided environmental consulting support.

The excavation measured approximately 27 feet long and 19 feet wide at the maximum extents. The maximum depth of the excavation measured approximately 10 feet bgs, with a footprint of approximately 513 ft². The lithology encountered during the completion of remediation activities consisted primarily of silty sand and gravel.

Approximately 224 cubic yards (yd³) of petroleum hydrocarbon-affected soils were transported to the Envirotech, Inc., (Envirotech) landfarm in San Juan County, NM for disposal/remediation. The executed C-138 solid waste acceptance form is provided in **Appendix C**. The excavation was backfilled with imported fill and then contoured to the surrounding grade.

Figure 3 is a map that identifies approximate soil sample locations and depicts the approximate dimensions of the excavation with respect to the pipeline (**Appendix A**). Photographic documentation of the field activities is included in **Appendix D**.

4.0 SOIL SAMPLING PROGRAM

Ensolum field screened the soil samples from the excavation utilizing a calibrated Dexsil PetroFLAG® hydrocarbon analyzer system and a photoionization detector (PID) fitted with a 10.6 eV lamp to guide excavation extents.

Ensolum's soil sampling program included the collection of 17 composite soil samples (S-1 through S-8, S-4a, S-5a, S-7a, S-8a, S-4b, S-5b, S-7b, and S-8b) from the excavation and one composite soil sample (BF-1) from the backfill for laboratory analysis. The composite samples were comprised of five aliquots each and represent an estimated 200 square foot (ft²) or less sample area per guidelines outlined in Section D of 19.15.29.12 NMAC. The excavator bucket and/or hand tools were utilized to obtain fresh aliquots from the excavation and backfill. Regulatory correspondence is provided in **Appendix E**.

First Sampling Event

On November 20, 2024, sampling was performed at the Site. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil samples S-1 (10') and S-2 (10') were collected from the floor of the excavation. Composite soil samples S-3 (0' to10'), S-4 (0' to 10'), S-5 (0' to 10'), S-6 (0' to 10'), S-7 (0' to 10'), and S-8 (0' to 10') were collected from the walls of the excavation.



² – Total Petroleum Hydrocarbons (TPH). Gasoline Range Organics (GRO). Diesel Range Organics (DRO). Motor Oil/Lube Oil Range Organics (MRO).

³ – Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX).

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Second Sampling Event

On November 8, 2024, sampling was performed at the Site. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil samples S-4a (0' to 10'), S-5a (0' to 10'), S-7a (0' to 10'), and S-8a (0' to 10') were collected from the extended walls and floor of the excavation.

Third Sampling Event

On December 2, 2024, sampling was performed at the Site. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil samples S-4b (0' to 10'), S-5b (0' to 10'), S-7b (0' to 10'), and S-8b (0' to 10') were collected from the extended walls and floor of the excavation.

Fourth Sampling Event

On January 22, 2025, sampling was performed at the Site. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil sample BF-1 was collected from the imported fill.

All soil samples were collected and placed in laboratory-prepared glassware. The containers were labeled and sealed using the laboratory-supplied labels and custody seals and were stored on ice in a cooler. The samples were relinquished to the courier for Eurofins Environment Testing South Central LLC (Eurofins) of Albuquerque, NM, under proper chain-of-custody procedures.

5.0 SOIL LABORATORY ANALYTICAL METHODS

The composite soil samples were analyzed for BTEX using Environmental Protection Agency (EPA) SW-846 Method 8021; TPH GRO/DRO/MRO using EPA SW-846 Method 8015; and chlorides using EPA Method 300.0.

The laboratory analytical results are summarized in **Table 1** (**Appendix F**). The laboratory data sheets and executed chain-of-custody forms are provided in **Appendix G**.

6.0 SOIL DATA EVALUATION

Ensolum compared the benzene, BTEX, TPH, and chloride laboratory analytical results or laboratory practical quantitation limits (PQLs) / reporting limits (RLs) associated with the composite soil samples (S-1 through S-3, S-6, S-4b, S-5b, S-7b, S-8b, and BF-1) to the applicable NM EMNRD OCD closure criteria. The results for composite soil samples S-4, S-5, S-7, S-8, S-4a, S-5a, S-7a, and S-8a are not included in the following discussion because the impacted soils associated with these samples were removed from the Site and transported to the landfarm. The laboratory analytical results are summarized in **Table 1** (**Appendix F**).

- The laboratory analytical results for the composite soil samples collected from soils remaining
 at the Site indicate benzene is not present at concentrations greater than the laboratory
 PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 10 milligrams per
 kilogram (mg/kg).
- The laboratory analytical results for the composite soil samples S-2, S-3, and S-6 indicate total BTEX concentrations ranging from 0.095 mg/kg (S-2) to 0.22 mg/kg (S-3), which are less than the NM EMNRD OCD closure criteria of 50 mg/kg. The analytical results for the other soil samples collected from soils remaining at the Site indicate BTEX is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 50 mg/kg.



Turner Hughes #21 MV

- The analytical results for the composite soil samples S-2 and S-3 indicate TPH GRO/DRO/MRO concentrations of 20 mg/kg and 88 mg/kg, respectively. The analytical results for the other composite soil samples collected from soils remaining at the Site indicate TPH GRO/DRO/MRO is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 100 mg/kg.
- The laboratory analytical results for composite soil sample BF-1 indicate a chloride concentration of 130 mg/kg, which is less than the NM EMNRD OCD closure criteria of 600 mg/kg. The analytical results for the other composite soil samples collected from soils remaining at the Site indicate chloride is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 600 mg/kg.

7.0 RECLAMATION

The excavation was backfilled with imported fill and then contoured to the surrounding grade. The backfill and the upper four feet of the excavation have been analytically verified to be below the Tier I soil standards of 50 mg/kg BTEX, 10 mg/kg benzene, 100 mg/kg total combined TPH, and 600 mg/kg Chloride. See **APPENDIX D** and **APPENDIX F** for further documentation.

8.0 REVEGETATION

Revegetation will be addressed in accordance with 19.15.29.13 NMAC utilizing the recommended seed mix as described in the Vegetation Community Descriptions and Seed Mixes provided by the BLM Farmington Field Office. In this case the surrounding vegetation appears to be predominantly of the Badland and Sagebrush Vegetation Communities. Enterprise will reseed the area with the appropriate seed mix during the next favorable growing season. Enterprise will provide revegetation documentation under separate cover.

9.0 FINDINGS AND RECOMMENDATION

- Seventeen composite soil samples were collected from the Site. Based on laboratory analytical results, no benzene, BTEX, chloride, or total combined TPH GRO/DRO/MRO exceedances were identified in the soils remaining at the Site.
- Approximately 224 yd³ of petroleum hydrocarbon-affected soils were transported to the Envirotech landfarm for disposal/remediation.

Based on field observations and laboratory analytical results, no additional investigation or corrective action appears warranted at this time.

10.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

10.1 Standard of Care

Ensolum's services were performed in accordance with standards customarily provided by a firm rendering the same or similar services in the area during the same time period. Ensolum makes no warranties, express or implied, as to the services performed hereunder. Additionally, Ensolum



does not warrant the work of third parties supplying information used in the report (e.g., laboratories, regulatory agencies, or other third parties).

10.2 Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-Site activities and other services performed under this scope of work, and it should be noted that this information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, or not present during these services, and Ensolum cannot represent that the Site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during the investigation. Environmental conditions at other areas or portions of the Site may vary from those encountered at actual sample locations. Ensolum's findings and recommendation are based solely upon data available to Ensolum at the time of these services.

10.3 Reliance

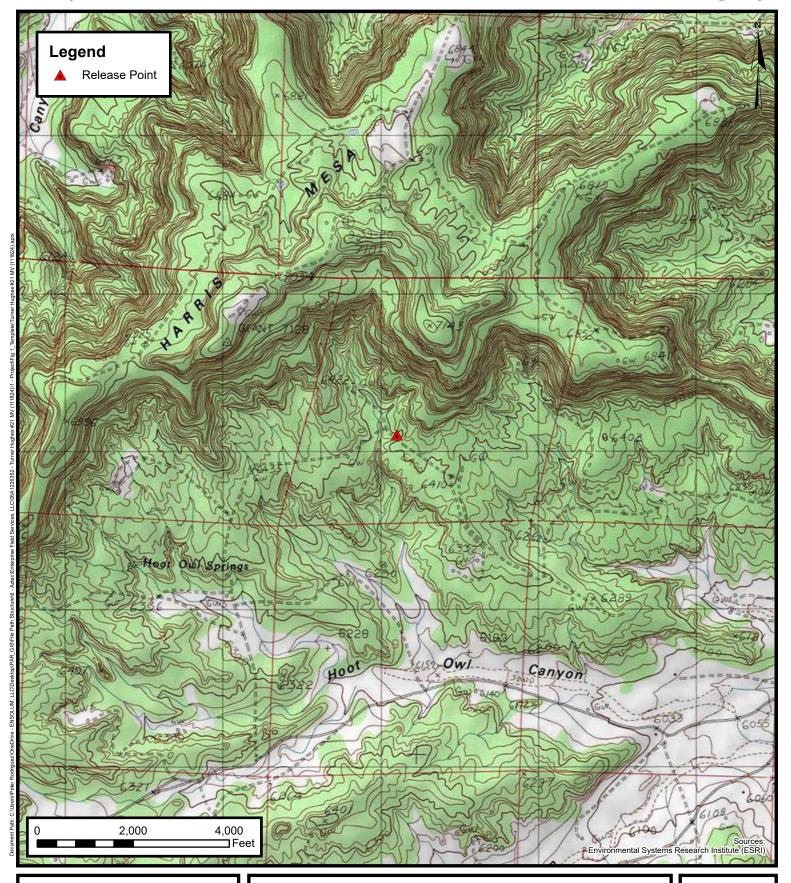
This report has been prepared for the exclusive use of Enterprise, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization of Enterprise and Ensolum. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in this report and Ensolum's Master Services Agreement. The limitation of liability defined in the agreement is the aggregate limit of Ensolum's liability to the client.





APPENDIX A

Figures





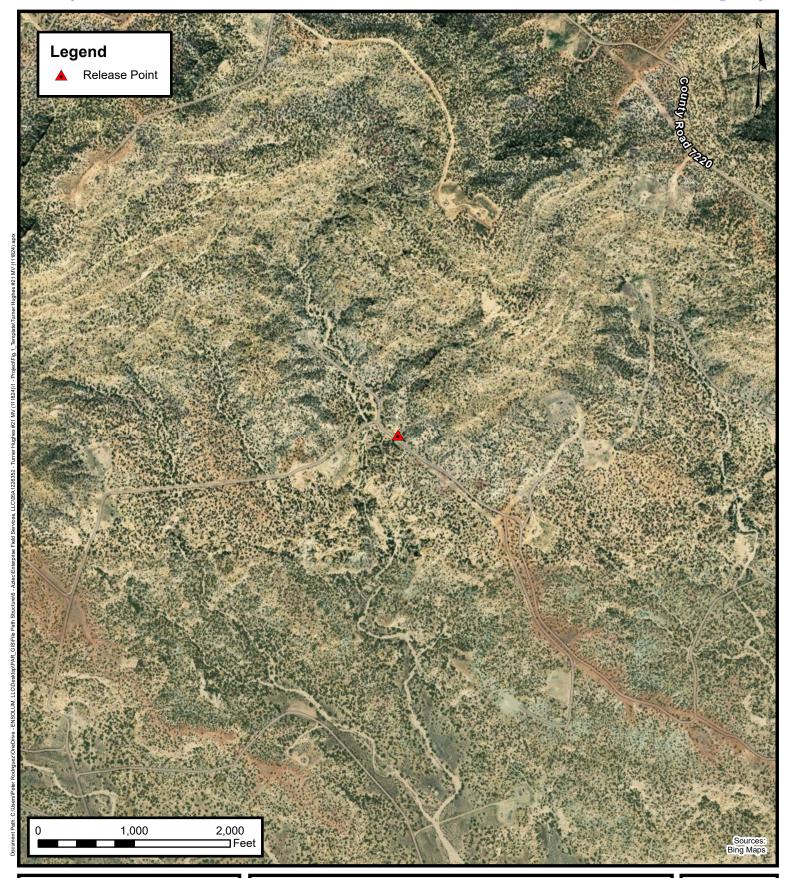
Topographic Map

Enterprise Field Services, LLC Turner Hughes #21 MV (11/18/24) Project Number: 05A1226352

Unit Letter K, S4 T27N R9W, San Juan County, New Mexico 36.601527, -107.794283

FIGURE

1





Site Vicinity Map

Enterprise Field Services, LLC Turner Hughes #21 MV (11/18/24) Project Number: 05A1226352

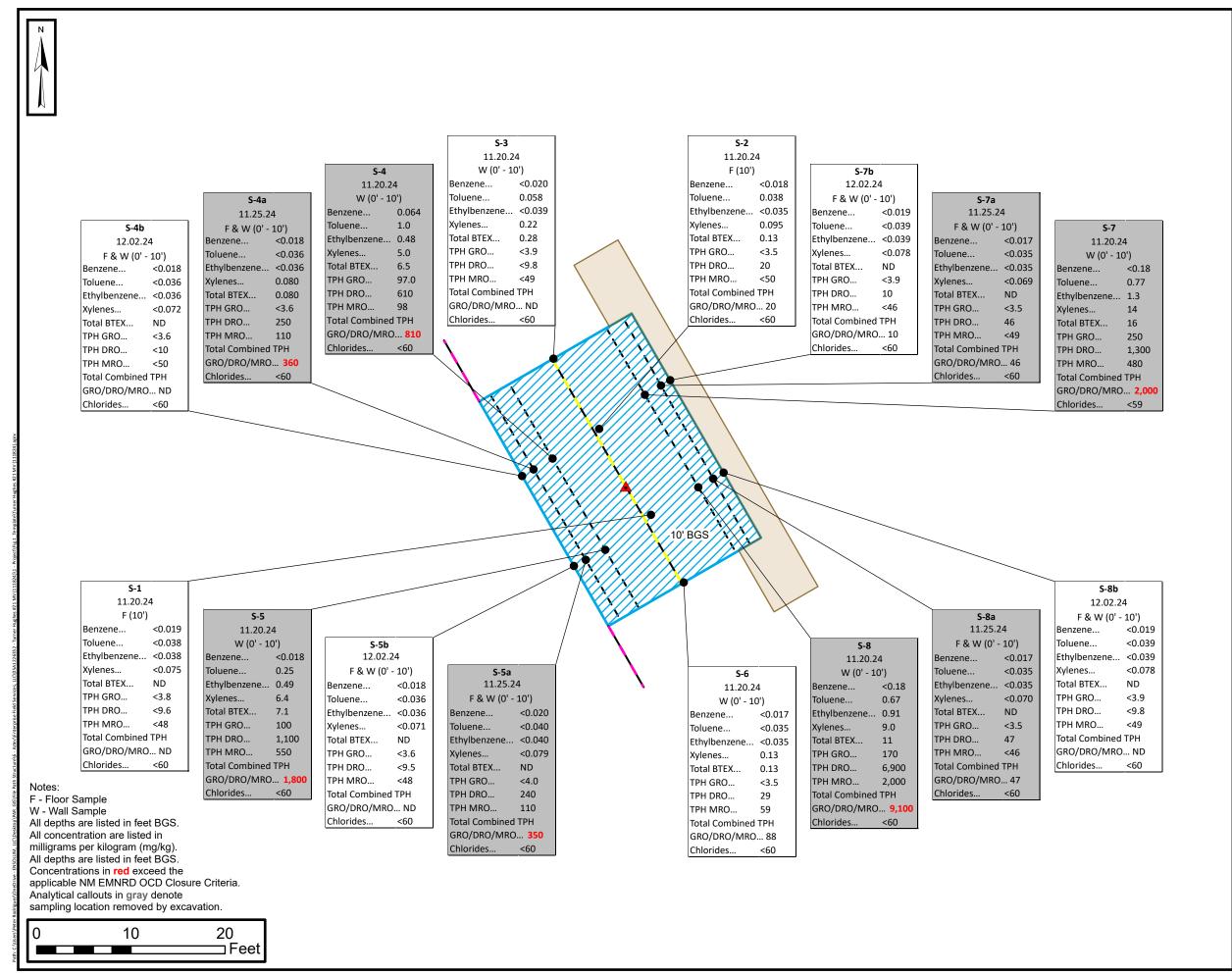
Unit Letter K, S4 T27N R9W, San Juan County, New Mexico 36.601527, -107.794283

FIGURE

2

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LEGEND

- Point of Release
- Composite Soil Sample Location
- - Former Excavation Wall
 - Blanco C-32 Pipeline
- Turner Hughes #21 MV Pipeline
- Dirt Road
- Excavation Extent



Site Map with Soil Analytical Results

Enterprise Field Services, LLC Turner Hughes #21 MV (11/18/24) Unit Letter K, S4 T27N R9W

San Juan County, New Mexico 36.601527, -107.794283

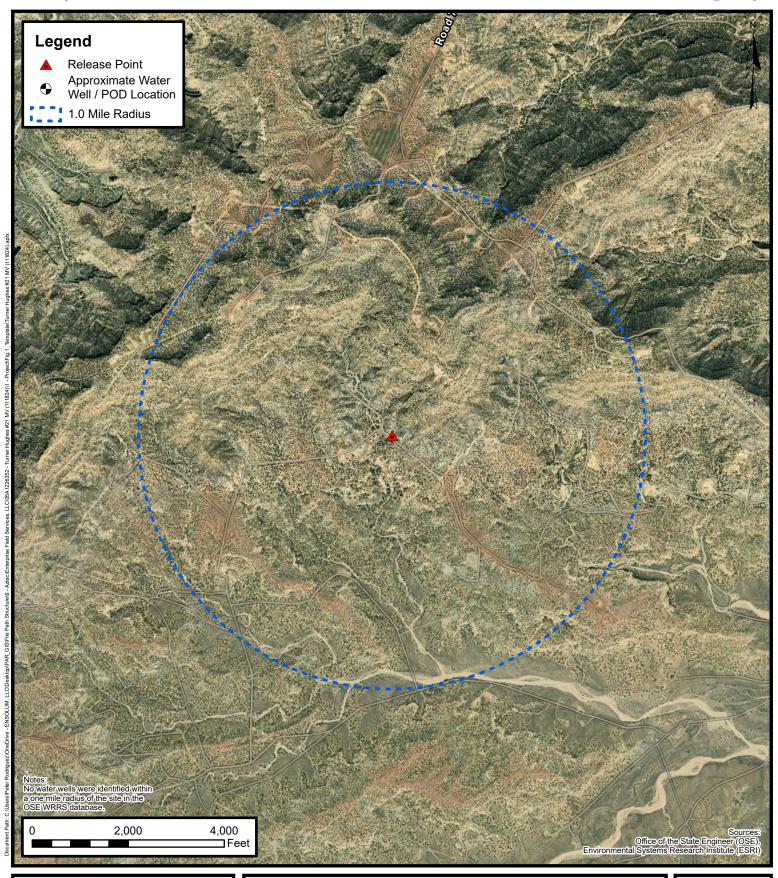
Figure 3

Project Number: 05A1226352



APPENDIX B

Siting Figures and Documentation





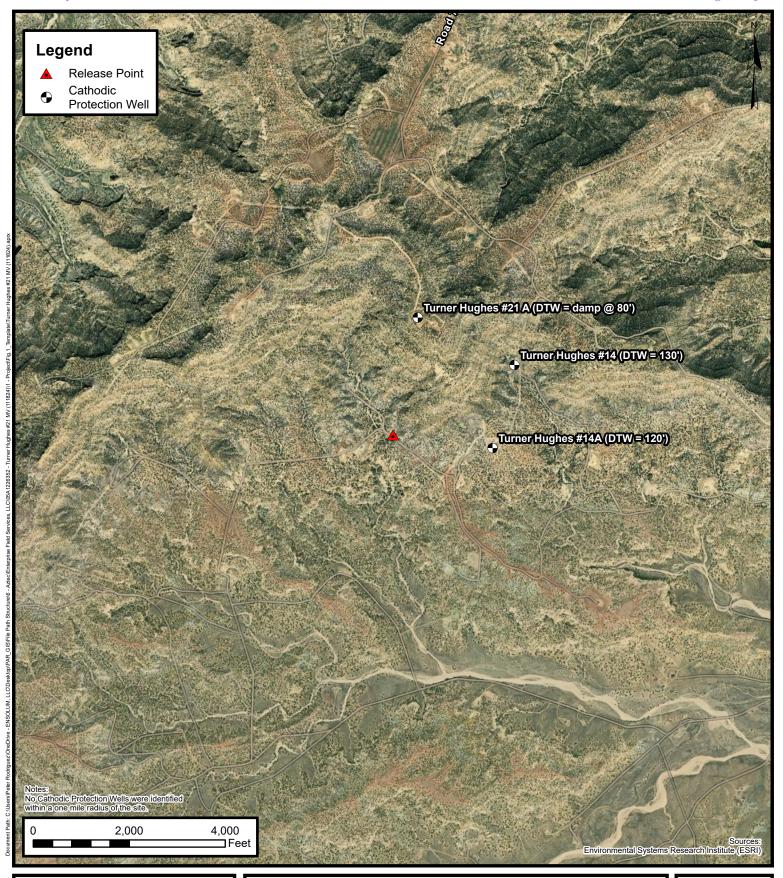
1.0 Mile Radius Water Well / POD Location Map

Enterprise Field Services, LLC Turner Hughes #21 MV (11/18/24) Project Number: 05A1226352

Unit Letter K, S4 T27N R9W, San Juan County, New Mexico 36.601527, -107.794283

FIGURE

Α





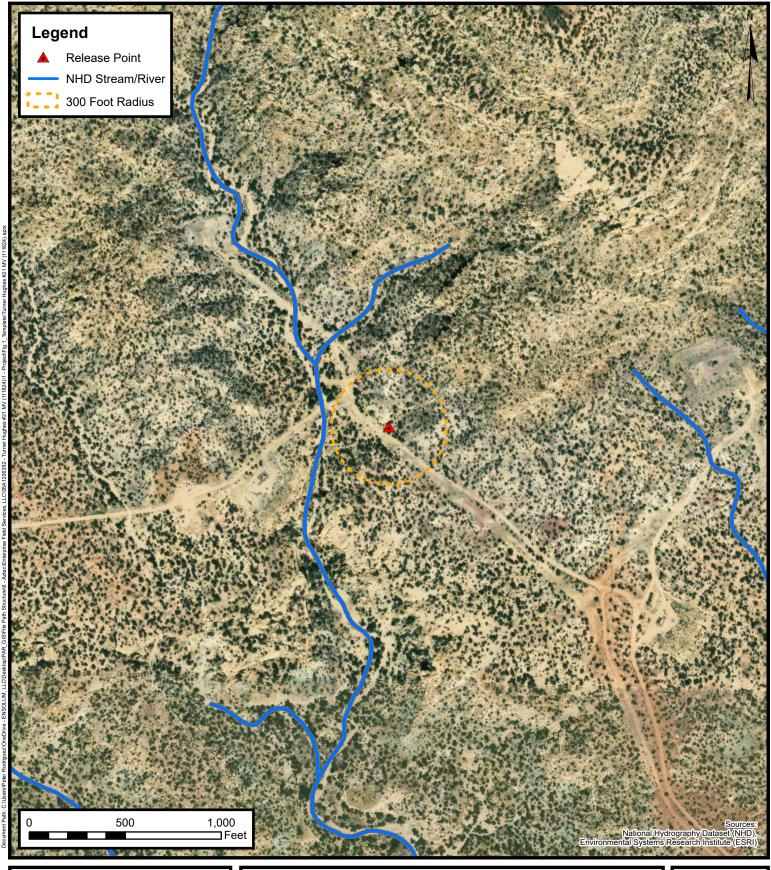
Cathodic Protection Well Recorded Depth to Water

Enterprise Field Services, LLC Turner Hughes #21 MV (11/18/24) Project Number: 05A1226352

Unit Letter K, S4 T27N R9W, San Juan County, New Mexico 36.601527, -107.794283

FIGURE

В





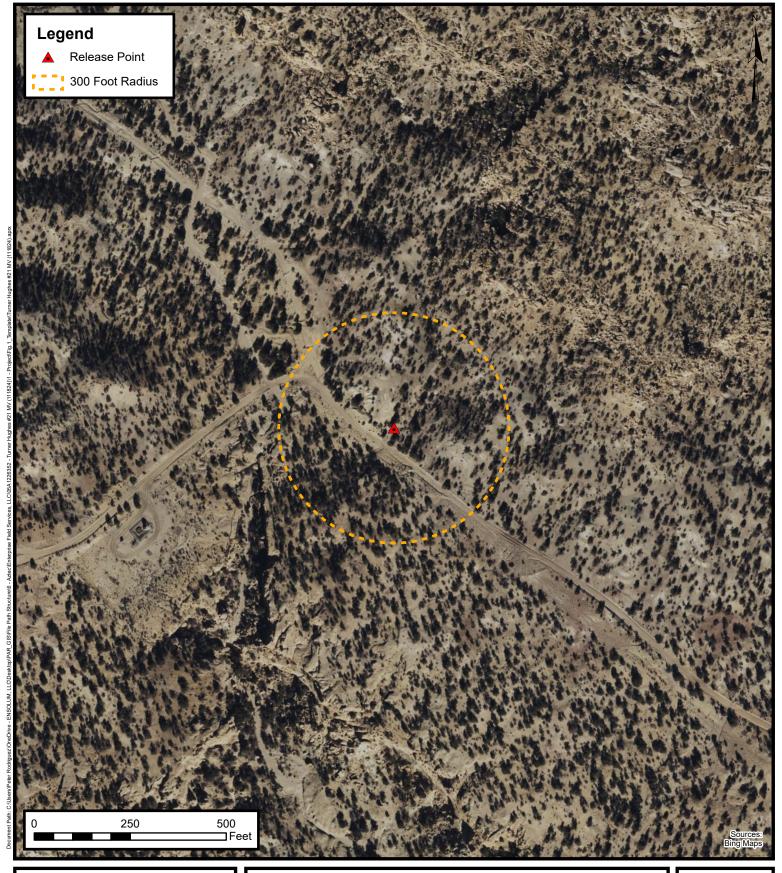
300 Foot Radius Watercourse and Drainage Identification

Enterprise Field Services, LLC Turner Hughes #21 MV (11/18/24) Project Number: 05A1226352

Unit Letter K, S4 T27N R9W, San Juan County, New Mexico 36.601527, -107.794283

FIGURE

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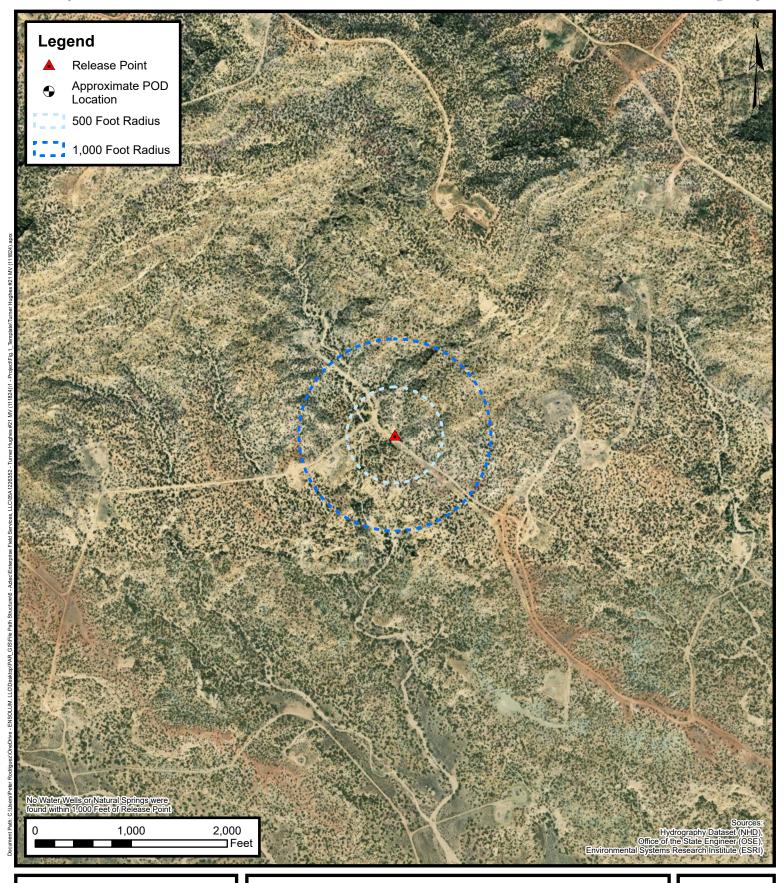
300 Foot Radius Occupied Structure Identification

Enterprise Field Services, LLC Turner Hughes #21 MV (11/18/24) Project Number: 05A1226352

Unit Letter K, S4 T27N R9W, San Juan County, New Mexico 36.601527, -107.794283

FIGURE

D





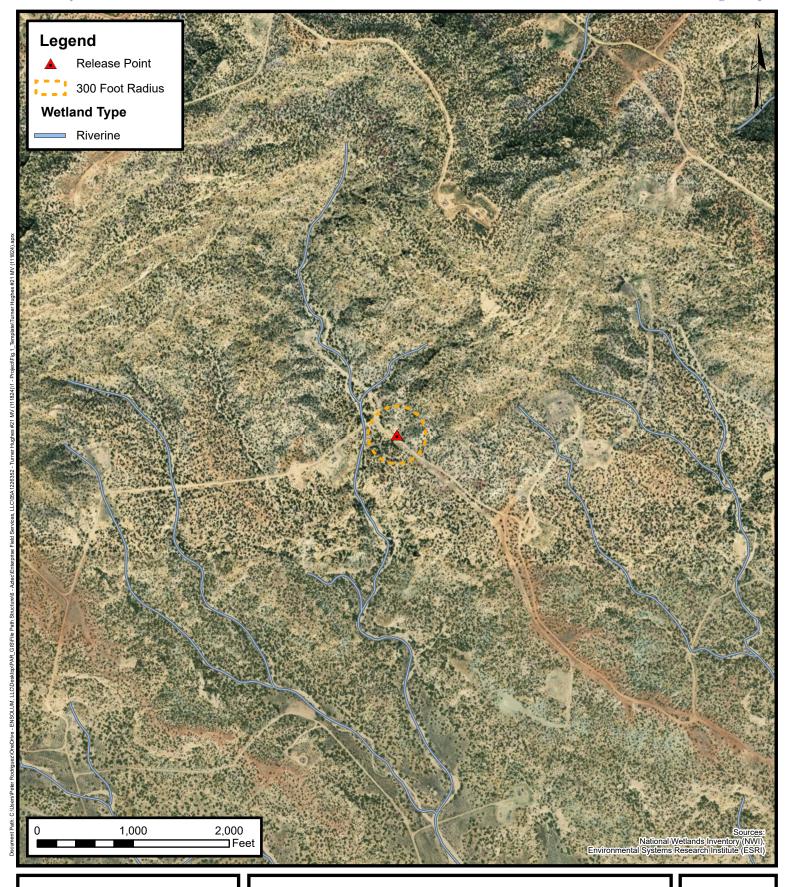
Water Well and Natural Spring Location

Enterprise Field Services, LLC Turner Hughes #21 MV (11/18/24) Project Number: 05A1226352

Unit Letter K, S4 T27N R9W, San Juan County, New Mexico 36.601527, -107.794283

FIGURE

E





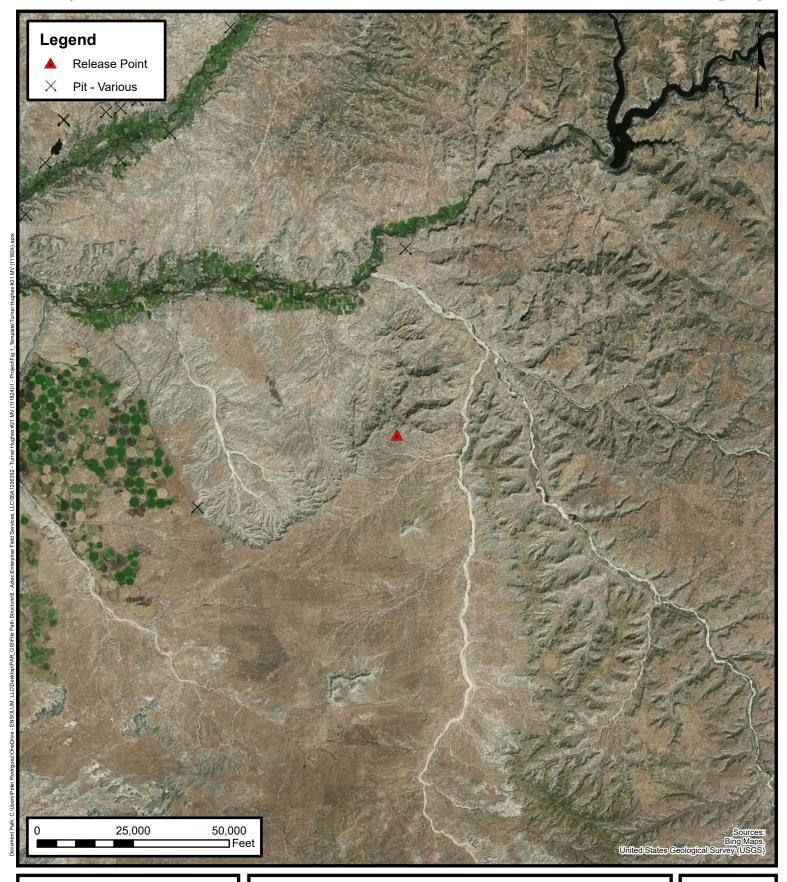
Wetlands

Enterprise Field Services, LLC Turner Hughes #21 MV (11/18/24) Project Number: 05A1226352

Unit Letter K, S4 T27N R9W, San Juan County, New Mexico 36.601527, -107.794283

FIGURE

F



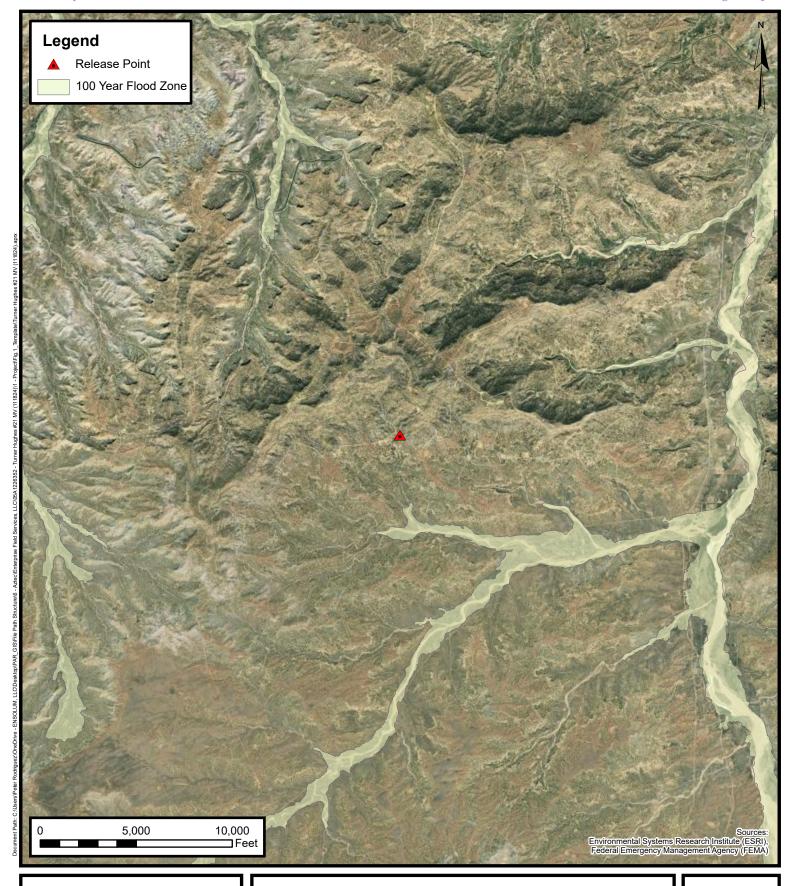


Mines, Mills, and Quarries

Enterprise Field Services, LLC Turner Hughes #21 MV (11/18/24) Project Number: 05A1226352

Unit Letter K, S4 T27N R9W, San Juan County, New Mexico 36.601527, -107.794283

FIGURE





100-Year Flood Plain Map

Enterprise Field Services, LLC Turner Hughes #21 MV (11/18/24) Project Number: 05A1226352

Unit Letter K, S4 T27N R9W, San Juan County, New Mexico 36.601527, -107.794283

FIGURE



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

No report data available.

Basin/County Search:

Basin: SJ

PLSS Search: Range: 09W Township: 27N Section: 3,4,5,8,9,10

* UTM location was derived from PLSS - see Help

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



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

No report data available.

Basin/County Search:

Basin: SJ

PLSS Search: Range: 09W Township: 28N Section: 32,33,34

* UTM location was derived from PLSS - see Help

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

2644W

30-045-26481

DATA SHEET FOR DEEP GROUND BED CATHODIC. PROTECTION WELLS NORTHWESTERN NEW MEXICO

operator MERIDIAN Oil Location: Unit C Sec. 4 Twp 27 Rng 9	
Name of Well/Wells.or Pipeline Serviced TURNER HUGHES #21-A	· · · .
Elevation Completion Date Total Depth Land Type	.
Casing Strings, Sizes, Types & Depths 8" PUC Sucface CASING 58 DEEP	.
uff Casing Strings are cemented, show amounts & types used VES with 14 bags NEAT CEMENT	-
If Cement or Bentonite Plugs have been placed, show depths 4 amounts used $\mathcal{N}_{\overline{\mathcal{O}}}$	-
Depths & thickness of water zones with description of water: Fresh, Clear Salty, Sulphur, Etc. Damp 80', 240', 310'	• -
Depths gas encountered: $\mathcal{H}_{\mathcal{O}}$	_
Ground bed depth with type & amount of coke breeze used: 452 DEEP with 6000 lbs Asbury FLO COKE	-
Depths anodes placed: 432, 425, 418, 411, 404, 396, 386, 370, 270, 231, 221, 200190	<u>18</u> 0
Depths vent pipes placed: 452'	
Vent pipe perforations: borrow 350' DEGEIVED	
Remarks: JAN 2 0 1995	<u>'</u>
	<u>~</u>

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee. If Federal or Indian, add Lease Number.

30-645-2648/ DATA SHEET FOR DEEP GROUND BED CATHODIC. PROTECTION WELLS NORTHWESTERN NEW MEXICO

Operator MERIDIAN Oil Location	1: Unit C Sec. 4 Twp 27 Rng 9
Name of Well/Wells.or Pipeline Serviced	URNER HUGHES #21-A
Elevation Completion Date Total	DepthLand Type
Casing Strings, Sizes, Types & Depths 58 Deep	3" PUC SUCTACE CASING
If Casing Strings are cemented, show amounts with 14 bags NEAT CEMENT	L
If Cement or Bentonite Plugs have been place \sqrt{D}	
Depths & thickness of water zones with descriptions. Salty, Sulphur, Etc. Damp 80' 2'	,
Depths gas encountered:	
Ground bed depth with type & amount of coke with 6000 lbs Asbury FLO COKE	
Depths anodes placed: 432, 425, 418, 411, 404, 39	16,386,370,270,231,221,200,190,180
Depths vent pipes placed: 452	
Vent pipe perforations: bottom 3501	PECKIVE
Remarks:	4U JAN 201035 U
	OIL COM, DINZ
	DISI. 3

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee. If Federal or Indian, add Lease Number.

#14A 30-045-26382

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS NORTHWESTERN NEW MEXICO

Operator Meridian Oil Inc. Location: Unit I Sec. 4 Twp 27 Rng 9			
Name of Well/Wells or Pipeline Serviced Julner Hughes #149			
· · · · · · · · · · · · · · · · · · ·			
Elevation — Completion Date 6/27/95 Total Depth 473 Land Type			
Casing Strings, Sizes, Types & Depths 4-24-95- Set 100 of 8" PVC			
Casing. No gas water or boulders were encountered during casing			
If Casing Strings are cemented, show amounts & types used <u>Cemented</u>			
with 18 sacks			
If Cement or Bentonite Plugs have been placed, show depths & amounts used			
- NA			
Depths & thickness of water zones with description of water: Fresh, Clear,			
Salty, Sulphur, Etc. 120'-Fresh			
Depths gas encountered: NA			
Ground bed depth with type & amount of coke breeze used: 473			
133 Sacks Askery 218R			
Depths anodes placed: 468 450, 443 436, 422, 415 406, 461 384 37 373 365, 150 140			
Depths vent pipes placed: 473			
Vent pipe perforations: 3040m 325' DECEIVED			
Remarks:			
DIST. 3			

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee. If Federal or Indian, add Lease Number.

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS NORTHWESTERN NEW MEXICO

Operator Meridian Oil Inc. Location: Unit H Sec. 4 Twp 27 Rng 9
Name of Well/Wells or Pipeline Serviced Turner Hughes #14
ElevationCompletion Date 6-22-95 Total Depth 378 Land Type 5
Casing Strings, Sizes, Types & Depths 4-25-95 - Set 100 of 8"
PUC casing. No gas water or boulders encountered during casing.
If Casing Strings are cemented, show amounts & types used <u>Cemented</u>
with 18 3acks
If Cement or Bentonite Plugs have been placed, show depths & amounts used
None
Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. 130 - Fresh
,
Depths gas encountered: None
Ground bed depth with type & amount of coke breeze used: 378
5000165 Asbury
Depths anodes placed: 1-365 358 351 344 337 330 280 273 245 238 231 180 173 166 158
Depths vent pipes placed: Surface to 378
Vent pipe perforations: 100-378 DEGEIVED
Remarks:
WIND IND JIND
DIST. 3

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee. If Federal or Indian, add Lease Number.



APPENDIX C

Executed C-138 Solid Waste Acceptance Form

Page 29 of 136

1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 1301 W. Grand Avenue, Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 <u>District IV</u>

1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-138 Revised 08/01/11

*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address:	
Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401	PayKey:AM14058 PM: ME Eddleman AFE: N75907
2. Originating Site: Turner Hughes #21 MV	
3. Location of Material (Street Address, City, State or ULSTR): UL K Section 4 T27N R9W 36.601527, -107.794283	
4. Source and Description of Waste: Source: Remediation activities associated with a natural gas pipeline leak. Description: Hydrocarbon/Condensate impacted soil associated natural gas pipeline release. Estimated Volume 50 yd3 / bbls Known Volume (to be entered by the operator at the end of the	he haul)(yd³/ bbls
5. GENERATOR CERTIFICATION STATEMENT OF WASTE	STATUS
I, Thomas Long, representative or authorized agent for Enterprise Products Operating do Generator Signature certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Enviro	
regulatory determination, the above described waste is: (Check the appropriate classification)	
RCRA Exempt: Oil field wastes generated from oil and gas exploration and production of exempt waste. **Operator Use Only: Waste Acceptance Frequency Monthly Wee	
RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the mir characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous wasubpart D, as amended. The following documentation is attached to demonstrate the above-detection the appropriate items)	vaste as defined in 40 CFR, part 261,
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Ot	her (Provide description in Box 4)
GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT	FOR LANDFARMS
I, Thomas Long 11-18-2024, representative for Enterprise Products Operating authorize Generator Signature the required testing/sign the Generator Waste Testing Certification.	es Envirotech, Inc. to complete
I, <u>Grea Crabbee</u> , representative for <u>Envirotech, Inc.</u> representative samples of the oil field waste have been subjected to the paint filter test and tested for have been found to conform to the specific requirements applicable to landfarms pursuant to Section of the representative samples are attached to demonstrate the above-described waste conform to the 19.15.36 NMAC.	on 15 of 19.15.36 NMAC. The results
5. Transporter: Sunland Construction	
OCD Permitted Surface Waste Management Facility	
Name and Facility Permit #: Envirotech Inc. Soil Remediation Facility * Permit #: NM 01-Address of Facility: Hilltop, NM Method of Treatment and/or Disposal: Evaporation Injection Treating Plant Landfarm Landf	
Waste Acceptance Status:	
■ APPROVED □ DENIED (Mus	t Be Maintained As Permanent Record)
PRINT NAME: Greg Crastre TITLE: Enviro Managen SIGNATURE: Surface Waste Management Facility Authorized Agent TELEPHONE NO.: 505-632-06	



APPENDIX D

Photographic Documentation

Closure Report Enterprise Field Services, LLC Turner Hughes #21 MV Ensolum Project No. 05A1226352



Photograph 1

Photograph Description: View of the release point.



Photograph 2

Photograph Description: View of the inprocess excavation activities.



Photograph 3

Photograph Description: View of the inprocess excavation activities.



Closure Report Enterprise Field Services, LLC Turner Hughes #21 MV Ensolum Project No. 05A1226352



Photograph 4

Photograph Description: View of the inprocess excavation activities.



Photograph 5

Photograph Description: View of the inprocess excavation activities.



Photograph 6

Photograph Description: View of the inprocess excavation activities.



Closure Report Enterprise Field Services, LLC Turner Hughes #21 MV Ensolum Project No. 05A1226352



Photograph 7

Photograph Description: View of the inprocess excavation activities.



Photograph 8

Photograph Description: View of the inprocess excavation activities.



Photograph 9

Photograph Description: View of the inprocess excavation activities.



SITE PHOTOGRAPHS

Closure Report Enterprise Field Services, LLC Turner Hughes #21 MV Ensolum Project No. 05A1226352



Photograph 10

Photograph Description: View of the final excavation.



Photograph 11

Photograph Description: View of the backfilled excavation.





APPENDIX E

Regulatory Correspondence

 From:
 Velez, Nelson, EMNRD

 To:
 Long, Thomas

 Cc:
 Stone, Brian

Subject: Re: [EXTERNAL] Turner Hughes #21 MV - UL K Section 4 T27N R9W 36.601527, -107.794283; NMOCD Incident

nAPP2432348427

Date: Tuesday, November 19, 2024 1:16:01 PM

Attachments: Outlook-qsmdqmxv.pnq

[Use caution with links/attachments]

Good afternoon Tom,

Thank you for the notice. Your variance request specifically addressing 19.15.29.12D (1a) NMAC is approved.

If an OCD representative is not on-site on the date &/or time given, please sample per 19.15.29 NMAC or from an OCD pre-approved sampling plan. For whatever reason, if the sampling timeframe is altered, please notify the OCD as soon as possible so we may adjust our schedule(s). Failure to notify the OCD of this change may result in the closure sample(s) not being accepted.

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

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: Long, Thomas <tjlong@eprod.com>
Sent: Tuesday, November 19, 2024 12:00 PM

To: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov>

Cc: Stone, Brian

 deprod.com>

Subject: [EXTERNAL] Turner Hughes #21 MV - UL K Section 4 T27N R9W 36.601527, -107.794283;

NMOCD Incident # nAPP2432348427

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

Nelson,

This email is a notification and a variance request. Enterprise is requesting a variance for required 48 hour notification per 19.15.29.12D (1a) NMAC. Enterprise would like to collect soil samples for laboratory analysis on November 20, 2024 at 12:00 p.m. at the Turner Hughes #21 MV excavation. Please acknowledge acceptance of this variance request. If you have any questions, please call or email.

Thomas J. Long
Senior Environmental Scientist
Enterprise Products Company
614 Reilly Ave.
Farmington, New Mexico 87401
505-599-2286 (office)
505-215-4727 (Cell)
tjlong@eprod.com



From: OCDOnline@state.nm.us

To: Long, Thomas

Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 405954

Date: Friday, November 22, 2024 12:41:19 PM

[Use caution with links/attachments]

To whom it may concern (c/o Thomas Long for Enterprise Field Services, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2432348427.

The sampling event is expected to take place:

When: 11/25/2024 @ 13:00

Where: K-04-27N-09W 0 FNL 0 FEL (36.601527,-107.794283)

Additional Information: Ensolum, LLC

Additional Instructions: 36.601527,-107.794283

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

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

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

New Mexico Energy, Minerals and Natural Resources Department 1220 South St. Francis Drive Santa Fe, NM 87505 From: OCDOnline@state.nm.us < OCDOnline@state.nm.us >

Sent: Wednesday, November 27, 2024 7:04 AM

To: Long, Thomas <tjlong@eprod.com>

Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application

ID: 406944

[Use caution with links/attachments]

To whom it may concern (c/o Thomas Long for Enterprise Field Services, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2432348427.

The sampling event is expected to take place:

When: 12/02/2024 @ 12:00

Where: K-04-27N-09W 0 FNL 0 FEL (36.601527,-107.794283)

Additional Information: Ensolum, LLC

Additional Instructions: 36.601527,-107.794283

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to

19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

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

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

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

This message (including any attachments) is confidential and intended for a specific individual and purpose. If you are not the intended recipient, please notify the sender immediately and delete this message.

From: OCDOnline@state.nm.us < OCDOnline@state.nm.us >

Sent: Thursday, January 16, 2025 1:50 PM **To:** Long, Thomas <<u>tilong@eprod.com</u>>

Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application

ID: 421740

[Use caution with links/attachments]

To whom it may concern (c/o Thomas Long for Enterprise Field Services, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2432348427.

The sampling event is expected to take place:

When: 01/22/2025 @ 09:00

Where: K-04-27N-09W 0 FNL 0 FEL (36.601527,-107.794283)

Additional Information: Ensolum LLC

Additional Instructions: 36.601527,-107.794283

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

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

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

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

This message (including any attachments) is confidential and intended for a specific individual and purpose. If you are not the intended recipient, please notify the sender immediately and delete this message.

From: Long, Thomas
To: Kyle Summers

Subject: FW: [EXTERNAL] Turner Hughes #21 MV - UL K Section 4 T27N R9W 36.601527, -107.794283; NMOCD Incident

ID No. nAPP2432348427

Date: Tuesday, February 11, 2025 12:35:05 PM

Attachments: Outlook-rbxzs2y2.png

[**EXTERNAL EMAIL**]

FYI

Thomas J. Long
Senior Environmental Scientist
Enterprise Products Company
614 Reilly Ave.
Farmington, New Mexico 87401
505-599-2286 (office)
505-215-4727 (Cell)
tilong@eprod.com



From: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov>

Subject: Re: [EXTERNAL] Turner Hughes #21 MV - UL K Section 4 T27N R9W 36.601527,

-107.794283; NMOCD Incident ID No. nAPP2432348427

[Use caution with links/attachments]

Good morning Tom,

Your 60-day time extension request is approved. Remediation Due date has been updated to April 21, 2025. Ensure that the site characterization/assessment report has been completed and is provided along with supporting documentation within the final closure report.

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

The OCD requires a copy of all correspondence relative 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.

Have a safe and productive day!

Regards,

ps: including this for future use;

New Mexico Deadline Calculator | Legal Calculators

New Mexico Deadline Calculator | Legal Calculators

New 2022 New Mexico Deadline Calculator. This New Mexico legal deadline calculator makes filing date and service date deadline calculations.

calculators.law

Nelson Velez • Environmental Specialist - Adv

Environmental Bureau | EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87410

(505) 469-6146 | <u>nelson.velez@emnrd.nm.gov</u>

http://www.emnrd.nm.gov/ocd_



From: Long, Thomas <tilong@eprod.com>
Sent: Tuesday, February 11, 2025 7:35 AM

To: Velez, Nelson, EMNRD < Nelson.Velez@emnrd.nm.gov>

Cc: Stone, Brian < bmstone@eprod.com>

Subject: [EXTERNAL] Turner Hughes #21 MV - UL K Section 4 T27N R9W 36.601527, -107.794283;

NMOCD Incident ID No. nAPP2432348427

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

Nelson,

Enterprise requests a time extension. The original due date for the closure report submittal is <u>February 18, 2025</u>. Enterprise requests time extension of an additional <u>60 days</u> for a new submittal due date of <u>April 18, 2025</u>. Enterprise requires additional time to finalize the closure report and allow time for internal review. Please acknowledge acceptance of this variance request. If you have any questions, please call or email.

Thomas J. Long
Senior Environmental Scientist
Enterprise Products Company
614 Reilly Ave.
Farmington, New Mexico 87401
505-599-2286 (office)
505-215-4727 (Cell)
tilong@eprod.com



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APPENDIX F

Table 1 – Soil Analytical Summary

ENSOLUM

TABLE 1 Turner Hughes #21 MV (11/18/24) SOIL ANALYTICAL SUMMARY

	SOIL AWALT HOAL SUMMANT												
Sample I.D.	Date	Sample Type C- Composite G - Grab	Sample Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX ¹ (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total Combined TPH (GRO/DRO/MRO) ¹ (mg/kg)	Chloride (mg/kg)
	Depa Onservation Div	neral & Natural F irtment vision Closure C ier I)		10	NE	NE	NE	50	NE	NE	NE	100	600
					Co	omposite Soil Sai	mples Remove	d by Excavation	.				
S-4	11.20.24	С	0 to 10	0.064	1.0	0.48	5.0	6.5	97	610	98	810	<60
S-5	11.20.24	С	0 to 10	<0.018	0.25	0.49	6.4	7.1	100	1,100	550	1,800	<60
S-7	11.20.24	С	0 to 10	<0.18	0.77	1.3	14	16	250	1,300	480	2,000	<59
S-8	11.20.24	С	0 to 10	<0.18	0.67	0.91	9.0	11	170	6,900	2,000	9,100	<60
S-4a	11.25.24	С	0 to 10	<0.018	<0.036	<0.036	0.080	0.080	<3.6	250	110	360	<60
S-5a	11.25.24	С	0 to 10	<0.020	<0.040	<0.040	<0.079	ND	<4.0	240	110	350	<60
S-7a	11.25.24	С	0 to 10	<0.017	<0.035	<0.035	<0.069	ND	<3.5	46	<49	46	<60
S-8a	11.25.24	С	0 to 10	<0.017	<0.035	<0.035	<0.070	ND	<3.5	47	<46	47	<60
						Excavation (Composite Soi	Samples					
S-1	11.20.24	С	10	<0.019	<0.038	<0.038	<0.075	ND	<3.8	<9.6	<48	ND	<60
S-2	11.20.24	С	10	<0.018	0.038	<0.035	0.095	0.13	<3.5	20	<50	20	<60
S-3	11.20.24	С	0 to 10	<0.020	0.058	<0.039	0.22	0.28	<3.9	<9.8	<49	ND	<60
S-6	11.20.24	С	0 to 10	<0.017	<0.035	<0.035	0.13	0.13	<3.5	29	59	88	<60
S-4b	12.02.24	С	0 to 10	<0.018	<0.036	<0.036	<0.072	ND	<3.6	<10	<50	ND	<60
S-5b	12.02.24	С	0 to 10	<0.018	<0.036	<0.036	<0.071	ND	<3.6	<9.5	<48	ND	<60
S-7b	12.02.24	С	0 to 10	<0.019	<0.039	<0.039	<0.078	ND	<3.9	10	<46	10	<60
S-8b	12.02.24	С	0 to 10	<0.019	<0.039	<0.039	<0.078	ND	<3.9	<9.8	<49	ND	<60
						Backfill Co	omposite Soil	Sample					
BF-1	1.22.25	С	BF	<0.024	<0.049	<0.049	<0.098	ND	<4.9	<10	<50	ND	130

Note: Concentrations in **bold** and yellow exceed the applicable NM EMNRD Closure Criteria

ND = Not Detected above the Practical Quantitation Limits (PQLs) or Reporting Limits (RLs)

NE = Not established

NS = Not sampled

mg/kg = milligrams per kilogram

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes

TPH = Total Petroleum Hydrocarbons

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

MRO = Motor Oil/Lube Oil Range Organics

BF = Backfilled sample

¹ = Total combined concentrations are rounded to two (2) significant figures to match the laboratory resolution of the individual constituents.



APPENDIX G

Laboratory Data Sheets & Chain of Custody Documentation

ANALYTICAL REPORT

PREPARED FOR

Attn: Kyle Summers Ensolum 606 S Rio Grande Suite A Aztec, New Mexico 87410 Generated 11/25/2024 6:28:37 PM

JOB DESCRIPTION

Turner Hughes #21 MV

JOB NUMBER

885-15686-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated 11/25/2024 6:28:37 PM

Authorized for release by John Caldwell, Project Manager john.caldwell@et.eurofinsus.com (505)345-3975 Client: Ensolum Laboratory Job ID: 885-15686-1

Project/Site: Turner Hughes #21 MV

Table of Contents

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Lab Chronicle	21
Certification Summary	24
Chain of Custody	25
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Definitions/Glossary

Client: Ensolum Job ID: 885-15686-1

Project/Site: Turner Hughes #21 MV

Qualifiers

GC VOA

Qualifier Description

S1+ Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a

dilution may be flagged with a D.

S1- Surrogate recovery exceeds control limits, low biased.

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

Eurofins Albuquerque

9

9

3

4

O

0

7

10

11

Case Narrative

Client: Ensolum Job ID: 885-15686-1

Project: Turner Hughes #21 MV

Job ID: 885-15686-1 **Eurofins Albuquerque**

Job Narrative 885-15686-1

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 11/21/2024 6:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.4°C.

Gasoline Range Organics

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

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

Diesel Range Organics

Method 8015D DRO: The following samples were diluted due to the nature of the sample matrix: S-5 (885-15686-5) and S-8 (885-15686-8)

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.

Eurofins Albuquerque

Client: Ensolum Job ID: 885-15686-1

Project/Site: Turner Hughes #21 MV

Client Sample ID: S-1 Lab Sample ID: 885-15686-1

Matrix: Solid

11/21/24 10:22

11/21/24 11:18

20

Date Collected: 11/20/24 12:00 Date Received: 11/21/24 06:35

Chloride

ND %Recovery 86	Qualifier	3.8	mg/Kg		11/21/24 09:21	11/21/24 12:19	1
	Qualifier	Limits					
86					Prepared	Analyzed	Dil Fac
		35 - 166			11/21/24 09:21	11/21/24 12:19	1
anic Comp	ounds (GC))					
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
ND		0.019	mg/Kg		11/21/24 09:21	11/21/24 12:19	1
ND		0.038	mg/Kg		11/21/24 09:21	11/21/24 12:19	1
ND		0.038	mg/Kg		11/21/24 09:21	11/21/24 12:19	1
ND		0.075	mg/Kg		11/21/24 09:21	11/21/24 12:19	1
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
100		48 - 145			11/21/24 09:21	11/21/24 12:19	1
nge Organ	ics (DRO) (GC)					
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
ND		9.6	mg/Kg		11/21/24 10:26	11/21/24 12:40	1
ND		48	mg/Kg		11/21/24 10:26	11/21/24 12:40	1
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
99		62 - 134			11/21/24 10:26	11/21/24 12:40	1
	ND ND ND **Recovery 100 ange Organ Result ND ND **Recovery 99	ND ND ND **Recovery 100 Result Qualifier ND ND **Recovery Qualifier ND ND **Recovery Qualifier	ND	ND	ND	ND	ND 0.019 mg/Kg 11/21/24 09:21 11/21/24 12:19 ND 0.038 mg/Kg 11/21/24 09:21 11/21/24 12:19 ND 0.038 mg/Kg 11/21/24 09:21 11/21/24 12:19 ND 0.075 mg/Kg 11/21/24 09:21 11/21/24 12:19 ND 0.075 mg/Kg 11/21/24 09:21 11/21/24 12:19 WRecovery Qualifier Limits Prepared Analyzed 100 48 - 145

60

mg/Kg

ND

Client: Ensolum Job ID: 885-15686-1

Project/Site: Turner Hughes #21 MV

Client Sample ID: S-2 Lab Sample ID: 885-15686-2

Date Collected: 11/20/24 12:05 Matrix: Solid Date Received: 11/21/24 06:35

Method: SW846 8015M/D - Gasolir	ne Range Organics (GRO) ((GC)					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND -	3.5	mg/Kg		11/21/24 09:21	11/21/24 12:41	1

Surrogate %Recovery Qualifier Limits Analyzed Dil Fac Prepared 4-Bromofluorobenzene (Surr) 35 - 166 11/21/24 09:21 11/21/24 12:41 102

Method: SW846 8021B - Vo	platile Organic Compounds (GC)						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND ND	0.018	mg/Kg		11/21/24 09:21	11/21/24 12:41	1
Ethylbenzene	ND	0.035	mg/Kg		11/21/24 09:21	11/21/24 12:41	1
Toluene	0.038	0.035	mg/Kg		11/21/24 09:21	11/21/24 12:41	1
Yvienes Total	0.095	0.071	ma/Ka		11/21/24 09:21	11/21/24 12:41	1

%Recovery Qualifier Limits Prepared Analyzed Dil Fac Surrogate 48 - 145 11/21/24 09:21 11/21/24 12:41 4-Bromofluorobenzene (Surr) 100

Method: SW846 8015M/D - Diesel	Range Organics (DRO) (GC	5)					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	20	9.9	mg/Kg		11/21/24 10:26	11/21/24 12:50	1
Motor Oil Range Organics [C28-C40]	ND	50	mg/Kg		11/21/24 10:26	11/21/24 12:50	1

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac Di-n-octyl phthalate (Surr) 88 62 - 134 11/21/24 10:26 11/21/24 12:50

Method: EPA 300.0 - Anions, Ion C	hromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND -	60	mg/Kg		11/21/24 10:22	11/21/24 11:28	20

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Client: Ensolum Job ID: 885-15686-1

Project/Site: Turner Hughes #21 MV

Client Sample ID: S-3 Lab Sample ID: 885-15686-3

Date Collected: 11/20/24 12:10

Date Received: 11/21/24 06:35

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.9	mg/Kg		11/21/24 09:21	11/21/24 13:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		35 - 166			11/21/24 09:21	11/21/24 13:03	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.020	mg/Kg		11/21/24 09:21	11/21/24 13:03	1
Ethylbenzene	ND		0.039	mg/Kg		11/21/24 09:21	11/21/24 13:03	1
Toluene	0.058		0.039	mg/Kg		11/21/24 09:21	11/21/24 13:03	1
Xylenes, Total	0.22		0.079	mg/Kg		11/21/24 09:21	11/21/24 13:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		48 - 145			11/21/24 09:21	11/21/24 13:03	1
Method: SW846 8015M/D - Diese	l Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		11/21/24 10:26	11/21/24 13:01	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		11/21/24 10:26	11/21/24 13:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134			11/21/24 10:26	11/21/24 13:01	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy						

60

mg/Kg

ND

11/21/24 10:22

11/21/24 11:37

Released to Imaging: 6/24/2025 2:59:03 PM

Chloride

2

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Client: Ensolum Job ID: 885-15686-1

Project/Site: Turner Hughes #21 MV

Client Sample ID: S-4

Lab Sample ID: 885-15686-4

. Matrix: Solid

11/22/24 11:21

11/21/24 09:21

Date Collected: 11/20/24 12:15 Date Received: 11/21/24 06:35

Xylenes, Total

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	97		3.8	mg/Kg		11/21/24 09:21	11/22/24 11:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	213	S1+	35 - 166			11/21/24 09:21	11/22/24 11:21	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.064		0.019	mg/Kg		11/21/24 09:21	11/22/24 11:21	1
Ethylbenzene	0.48		0.038	mg/Kg		11/21/24 09:21	11/22/24 11:21	1
Toluene	1.0		0.038	mg/Kg		11/21/24 09:21	11/22/24 11:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136		48 - 145	11/21/24 09:21	11/22/24 11:21	1

0.077

mg/Kg

Method: SW846 8015M/D - Diese	el Range Organics (DRC	O) (GC)					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	610	10	mg/Kg		11/21/24 10:26	11/21/24 13:11	1
Motor Oil Range Organics [C28-C40]	98	50	mg/Kg		11/21/24 10:26	11/21/24 13:11	1
Surrogate	%Recovery Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93	62 - 134			11/21/24 10:26	11/21/24 13:11	1

Method: EPA 300.0 - Anions, Ion Cl	hromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND	60	mg/Kg		11/21/24 10:22	11/21/24 11:47	20

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Client: Ensolum Job ID: 885-15686-1

Project/Site: Turner Hughes #21 MV

Client Sample ID: S-5 Lab Sample ID: 885-15686-5

Date Collected: 11/20/24 12:20 Matrix: Solid Date Received: 11/21/24 06:35

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 -	100		3.5	mg/Kg		11/21/24 09:21	11/22/24 12:05	
C10]								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	260	S1+	35 - 166			11/21/24 09:21	11/22/24 12:05	
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	ND		0.018	mg/Kg		11/21/24 09:21	11/22/24 12:05	
Ethylbenzene	0.49		0.035	mg/Kg		11/21/24 09:21	11/22/24 12:05	
Toluene	0.25		0.035	mg/Kg		11/21/24 09:21	11/22/24 12:05	
Xylenes, Total	6.4		0.070	mg/Kg		11/21/24 09:21	11/22/24 12:05	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	158	S1+	48 - 145			11/21/24 09:21	11/22/24 12:05	
Method: SW846 8015M/D - Diese	I Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1100		46	mg/Kg		11/21/24 10:26	11/21/24 16:09	
Motor Oil Range Organics [C28-C40]	550		230	mg/Kg		11/21/24 10:26	11/21/24 16:09	ŧ
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
Di-n-octyl phthalate (Surr)	0	D S1-	62 - 134			11/21/24 10:26	11/21/24 16:09	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
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Client: Ensolum Job ID: 885-15686-1

Project/Site: Turner Hughes #21 MV

Client Sample ID: S-6

Lab Sample ID: 885-15686-6

Date Collected: 11/20/24 12:25 Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.5	mg/Kg		11/21/24 09:21	11/21/24 14:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		35 - 166			11/21/24 09:21	11/21/24 14:08	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.017	mg/Kg		11/21/24 09:21	11/21/24 14:08	1
Ethylbenzene	ND		0.035	mg/Kg		11/21/24 09:21	11/21/24 14:08	1
Toluene	ND		0.035	mg/Kg		11/21/24 09:21	11/21/24 14:08	1
Xylenes, Total	0.13		0.069	mg/Kg		11/21/24 09:21	11/21/24 14:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		48 - 145			11/21/24 09:21	11/21/24 14:08	1
Method: SW846 8015M/D - Diese	l Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	29		9.4	mg/Kg		11/21/24 10:26	11/22/24 10:59	1
Motor Oil Range Organics [C28-C40]	59		47	mg/Kg		11/21/24 10:26	11/22/24 10:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98		62 - 134			11/21/24 10:26	11/22/24 10:59	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client: Ensolum Job ID: 885-15686-1

Project/Site: Turner Hughes #21 MV

Client Sample ID: S-7

Lab Sample ID: 885-15686-7

Date Collected: 11/20/24 12:30

Date Received: 11/21/24 06:35

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 -	250		36	mg/Kg		11/21/24 09:21	11/21/24 14:29	10
C10]								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146		35 - 166			11/21/24 09:21	11/21/24 14:29	10
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.18	mg/Kg		11/21/24 09:21	11/21/24 14:29	10
Ethylbenzene	1.3		0.36	mg/Kg		11/21/24 09:21	11/21/24 14:29	10
Toluene	0.77		0.36	mg/Kg		11/21/24 09:21	11/21/24 14:29	10
Xylenes, Total	14		0.73	mg/Kg		11/21/24 09:21	11/21/24 14:29	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		48 - 145			11/21/24 09:21	11/21/24 14:29	10
Method: SW846 8015M/D - Diese	I Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1300		19	mg/Kg		11/21/24 10:26	11/21/24 15:57	2
Motor Oil Range Organics [C28-C40]	480		93	mg/Kg		11/21/24 10:26	11/21/24 15:57	2
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	82		62 - 134			11/21/24 10:26	11/21/24 15:57	2
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

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Client: Ensolum Job ID: 885-15686-1

Project/Site: Turner Hughes #21 MV

Client Sample ID: S-8 Lab Sample ID: 885-15686-8

Date Collected: 11/20/24 12:35

Date Received: 11/21/24 06:35

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	170		37	mg/Kg		11/21/24 09:21	11/21/24 14:51	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	196	S1+	35 - 166			11/21/24 09:21	11/21/24 14:51	10
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.18	mg/Kg		11/21/24 09:21	11/21/24 14:51	10
Ethylbenzene	0.91		0.37	mg/Kg		11/21/24 09:21	11/21/24 14:51	10
Toluene	0.67		0.37	mg/Kg		11/21/24 09:21	11/21/24 14:51	10
Xylenes, Total	9.0		0.73	mg/Kg		11/21/24 09:21	11/21/24 14:51	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		48 - 145			11/21/24 09:21	11/21/24 14:51	10
Method: SW846 8015M/D - Diese	l Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	6900		99	mg/Kg		11/21/24 10:26	11/21/24 15:45	10
Motor Oil Range Organics [C28-C40]	2000		490	mg/Kg		11/21/24 10:26	11/21/24 15:45	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	0	D S1-	62 - 134			11/21/24 10:26	11/21/24 15:45	10
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
						•	-	

Job ID: 885-15686-1 Client: Ensolum

Project/Site: Turner Hughes #21 MV

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-16371/1-A **Matrix: Solid**

Analysis Batch: 16365

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

Prep Batch: 16371

Analyte Result Qualifier RLUnit D Prepared Analyzed Dil Fac Gasoline Range Organics [C6 - C10] ND 5.0 mg/Kg 11/21/24 09:21 11/21/24 11:57

MB MB

MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 90 35 - 166 11/21/24 09:21 11/21/24 11:57

Lab Sample ID: LCS 885-16371/2-A Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 16365

Prep Type: Total/NA

Prep Batch: 16371

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits 25.0 21.5 86 70 - 130 mg/Kg Gasoline Range Organics [C6 -

C10]

LCS LCS

%Recovery Qualifier Limits Surrogate 35 - 166 4-Bromofluorobenzene (Surr) 180

Lab Sample ID: 885-15686-1 MS

Matrix: Solid

Analysis Batch: 16365

Client Sample ID: S-1

Prep Type: Total/NA

Prep Batch: 16371

Sample Sample Spike MS MS Qualifier Added Result Qualifier Analyte Result Unit D %Rec Limits 18.8 95 Gasoline Range Organics [C6 -ND 17.9 mg/Kg 70 - 130

C10]

MS MS

%Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 181 35 - 166

Lab Sample ID: 885-15686-1 MSD

Matrix: Solid

Analysis Batch: 16365

Client Sample ID: S-1 Prep Type: Total/NA

Prep Batch: 16371

Sample Sample MSD MSD RPD Spike %Rec Result Qualifier Added Qualifier RPD Limit Analyte Result %Rec Limits Unit Gasoline Range Organics [C6 -ND 18.8 16.9 mg/Kg 89 70 - 130 6 20

C10]

MSD MSD

%Recovery Surrogate Qualifier Limits 35 - 166 4-Bromofluorobenzene (Surr) 173

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-16371/1-A

Matrix: Solid

Analysis Batch: 16366

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 16371

MB MB Analyte Result Qualifier RL Unit Analyzed Dil Fac D Prepared 0.025 Benzene ND mg/Kg 11/21/24 09:21 11/21/24 11:57 Ethylbenzene ND 0.050 mg/Kg 11/21/24 09:21 11/21/24 11:57 ND 0.050 Toluene 11/21/24 09:21 11/21/24 11:57 mg/Kg

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Released to Imaging: 6/24/2025 2:59:03 PM

Client: Ensolum Job ID: 885-15686-1

Project/Site: Turner Hughes #21 MV

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

Lab Sample ID: MB 885-16371/1-A **Matrix: Solid**

Analysis Batch: 16366

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

Prep Batch: 16371

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.10	mg/Kg		11/21/24 09:21	11/21/24 11:57	1

MR MR

MB MB

%Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 102 48 - 145 11/21/24 09:21 11/21/24 11:57

Lab Sample ID: LCS 885-16371/3-A Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 16366

Prep Type: Total/NA

Prep Batch: 16371

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Benzene 1.00 0.968 mg/Kg 97 70 - 130 Ethylbenzene 1.00 0.984 mg/Kg 98 70 - 130 Toluene 1.00 0.965 mg/Kg 97 70 - 130 Xylenes, Total 3.00 2.97 mg/Kg 70 - 130

LCS LCS

Qualifier Limits Surrogate %Recovery 4-Bromofluorobenzene (Surr) 48 - 145 103

Lab Sample ID: 885-15686-2 MS

Matrix: Solid

Analysis Batch: 16366

Client Sample ID: S-2

Prep Type: Total/NA

Prep Batch: 16371

	Sample Sa	ample S _l	pike	MS	MS				%Rec	
Analyte	Result Q	ualifier Ad	ded F	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	ND	0.	706	0.639		mg/Kg	_	90	70 - 130	
Ethylbenzene	ND	0.	706	0.663		mg/Kg		92	70 - 130	
Toluene	0.038	0.	706	0.676		mg/Kg		90	70 - 130	
Xylenes, Total	0.095	2	2.12	2.09		mg/Kg		94	70 - 130	

MS MS

%Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 48 - 145 95

Lab Sample ID: 885-15686-2 MSD

Matrix: Solid

Analysis Batch: 16366

Client Sample ID: S-2 Prep Type: Total/NA

Prep Batch: 16371

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	ND		0.706	0.625		mg/Kg		89	70 - 130	2	20
Ethylbenzene	ND		0.706	0.663		mg/Kg		92	70 - 130	0	20
Toluene	0.038		0.706	0.677		mg/Kg		90	70 - 130	0	20
Xylenes, Total	0.095		2.12	2.05		mg/Kg		92	70 - 130	2	20

MSD MSD

%Recovery Qualifier Limits Surrogate 48 - 145 4-Bromofluorobenzene (Surr) 93

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Job ID: 885-15686-1

Project/Site: Turner Hughes #21 MV

Client Sample ID: Method Blank

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-16380/1-A

Matrix: Solid

Client: Ensolum

Analysis Batch: 16367 MB

Prep Type: Total/NA Prep Batch: 16380 MB

Analyte Result Qualifier RLUnit D Prepared Analyzed Dil Fac Diesel Range Organics [C10-C28] ND 10 mg/Kg 11/21/24 10:26 11/21/24 12:15 Motor Oil Range Organics [C28-C40] ND 50 mg/Kg 11/21/24 10:26 11/21/24 12:15

MB MB

Qualifier Limits Dil Fac Surrogate %Recovery Prepared Analyzed Di-n-octyl phthalate (Surr) 93 62 - 134 11/21/24 10:26 11/21/24 12:15

Prep Type: Total/NA

Prep Batch: 16379

Prep Batch: 16379

Client Sample ID: S-7

Lab Sample ID: LCS 885-16380/2-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Solid

Diesel Range Organics

Analysis Batch: 16367

Prep Batch: 16380 Spike LCS LCS %Rec Added Result Qualifier Unit D %Rec Limits 50.0 38.8 78 60 - 135 mg/Kg

[C10-C28]

Analyte

LCS LCS

Surrogate %Recovery Qualifier Limits Di-n-octyl phthalate (Surr) 83 62 - 134

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-16379/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 16341

мв мв

Analyte Result Qualifier RL Unit D Dil Fac Prepared Analyzed Chloride ND 3.0 mg/Kg 11/21/24 10:22 11/21/24 10:47

Lab Sample ID: LCS 885-16379/2-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 16341

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits 30.0 90 - 110 Chloride 28.7 mg/Kg 96

Lab Sample ID: 885-15686-7 MS

Analysis Batch: 16341

Matrix: Solid Prep Type: Total/NA Prep Batch: 16379

MS MS %Rec Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride ND 29.7 ND mg/Kg NC 50 - 150

Lab Sample ID: 885-15686-7 MSD

Released to Imaging: 6/24/2025 2:59:03 PM

Matrix: Solid Prep Type: Total/NA Analysis Batch: 16341 Prep Batch: 16379 Sample Sample Spike MSD MSD %Rec RPD

Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit ND 29.8 ND NC Chloride mg/Kg 50 - 150 NC 20

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Client Sample ID: S-7

QC Sample Results

Client: Ensolum Job ID: 885-15686-1

Project/Site: Turner Hughes #21 MV

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 885-15686-8 MS				Client Sample ID: S-8
Matrix: Solid				Prep Type: Total/NA
Analysis Batch: 16341				Prep Batch: 16379
	Sample Sample	Spike	MS MS	%Rec

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	ND		29.7	ND		mg/Kg		NC	50 - 150	

Lab Sample ID: 885-15686-8 MSD

Matrix: Solid

Client Sample ID: S-8

Prep Type: Total/NA

Matrix: Solid Prep Type: Total/NA
Analysis Batch: 16341 Prep Batch: 16379

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier %Rec Limits RPD Limit Unit Chloride ND 30.1 ND NC 50 - 150 mg/Kg NC

QC Association Summary

Client: Ensolum Job ID: 885-15686-1

Project/Site: Turner Hughes #21 MV

GC VOA

Analysis Batch: 16365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15686-1	S-1	Total/NA	Solid	8015M/D	16371
885-15686-2	S-2	Total/NA	Solid	8015M/D	16371
885-15686-3	S-3	Total/NA	Solid	8015M/D	16371
885-15686-6	S-6	Total/NA	Solid	8015M/D	16371
885-15686-7	S-7	Total/NA	Solid	8015M/D	16371
885-15686-8	S-8	Total/NA	Solid	8015M/D	16371
MB 885-16371/1-A	Method Blank	Total/NA	Solid	8015M/D	16371
LCS 885-16371/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	16371
885-15686-1 MS	S-1	Total/NA	Solid	8015M/D	16371
885-15686-1 MSD	S-1	Total/NA	Solid	8015M/D	16371

Analysis Batch: 16366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15686-1	S-1	Total/NA	Solid	8021B	16371
885-15686-2	S-2	Total/NA	Solid	8021B	16371
885-15686-3	S-3	Total/NA	Solid	8021B	16371
885-15686-6	S-6	Total/NA	Solid	8021B	16371
885-15686-7	S-7	Total/NA	Solid	8021B	16371
885-15686-8	S-8	Total/NA	Solid	8021B	16371
MB 885-16371/1-A	Method Blank	Total/NA	Solid	8021B	16371
LCS 885-16371/3-A	Lab Control Sample	Total/NA	Solid	8021B	16371
885-15686-2 MS	S-2	Total/NA	Solid	8021B	16371
885-15686-2 MSD	S-2	Total/NA	Solid	8021B	16371

Prep Batch: 16371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
885-15686-1	S-1	Total/NA	Solid	5035	
885-15686-2	S-2	Total/NA	Solid	5035	
885-15686-3	S-3	Total/NA	Solid	5035	
885-15686-4	S-4	Total/NA	Solid	5035	
885-15686-5	S-5	Total/NA	Solid	5035	
885-15686-6	S-6	Total/NA	Solid	5035	
885-15686-7	S-7	Total/NA	Solid	5035	
885-15686-8	S-8	Total/NA	Solid	5035	
MB 885-16371/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-16371/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-16371/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-15686-1 MS	S-1	Total/NA	Solid	5035	
885-15686-1 MSD	S-1	Total/NA	Solid	5035	
885-15686-2 MS	S-2	Total/NA	Solid	5035	
885-15686-2 MSD	S-2	Total/NA	Solid	5035	

Analysis Batch: 16464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15686-4	S-4	Total/NA	Solid	8015M/D	16371
885-15686-5	S-5	Total/NA	Solid	8015M/D	16371

Analysis Batch: 16465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15686-4	S-4	Total/NA	Solid	8021B	16371
885-15686-5	S-5	Total/NA	Solid	8021B	16371

Eurofins Albuquerque

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QC Association Summary

Client: Ensolum Job ID: 885-15686-1

Project/Site: Turner Hughes #21 MV

GC Semi VOA

Analysis Batch: 16360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15686-5	S-5	Total/NA	Solid	8015M/D	16380
885-15686-7	S-7	Total/NA	Solid	8015M/D	16380
885-15686-8	S-8	Total/NA	Solid	8015M/D	16380

Analysis Batch: 16367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15686-1	S-1	Total/NA	Solid	8015M/D	16380
885-15686-2	S-2	Total/NA	Solid	8015M/D	16380
885-15686-3	S-3	Total/NA	Solid	8015M/D	16380
885-15686-4	S-4	Total/NA	Solid	8015M/D	16380
MB 885-16380/1-A	Method Blank	Total/NA	Solid	8015M/D	16380
LCS 885-16380/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	16380

Prep Batch: 16380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15686-1	S-1	Total/NA	Solid	SHAKE	
885-15686-2	S-2	Total/NA	Solid	SHAKE	
885-15686-3	S-3	Total/NA	Solid	SHAKE	
885-15686-4	S-4	Total/NA	Solid	SHAKE	
885-15686-5	S-5	Total/NA	Solid	SHAKE	
885-15686-6	S-6	Total/NA	Solid	SHAKE	
885-15686-7	S-7	Total/NA	Solid	SHAKE	
885-15686-8	S-8	Total/NA	Solid	SHAKE	
MB 885-16380/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-16380/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 16453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15686-6	S-6	Total/NA	Solid	8015M/D	16380

HPLC/IC

Analysis Batch: 16341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15686-1	S-1	Total/NA	Solid	300.0	16379
885-15686-2	S-2	Total/NA	Solid	300.0	16379
885-15686-3	S-3	Total/NA	Solid	300.0	16379
885-15686-4	S-4	Total/NA	Solid	300.0	16379
885-15686-5	S-5	Total/NA	Solid	300.0	16379
885-15686-6	S-6	Total/NA	Solid	300.0	16379
885-15686-7	S-7	Total/NA	Solid	300.0	16379
885-15686-8	S-8	Total/NA	Solid	300.0	16379
MB 885-16379/1-A	Method Blank	Total/NA	Solid	300.0	16379
LCS 885-16379/2-A	Lab Control Sample	Total/NA	Solid	300.0	16379
885-15686-7 MS	S-7	Total/NA	Solid	300.0	16379
885-15686-7 MSD	S-7	Total/NA	Solid	300.0	16379
885-15686-8 MS	S-8	Total/NA	Solid	300.0	16379
885-15686-8 MSD	S-8	Total/NA	Solid	300.0	16379

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QC Association Summary

Client: Ensolum Job ID: 885-15686-1

Project/Site: Turner Hughes #21 MV

HPLC/IC

Prep Batch: 16379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15686-1	S-1	Total/NA	Solid	300_Prep	
885-15686-2	S-2	Total/NA	Solid	300_Prep	
885-15686-3	S-3	Total/NA	Solid	300_Prep	
885-15686-4	S-4	Total/NA	Solid	300_Prep	
885-15686-5	S-5	Total/NA	Solid	300_Prep	
885-15686-6	S-6	Total/NA	Solid	300_Prep	
885-15686-7	S-7	Total/NA	Solid	300_Prep	
885-15686-8	S-8	Total/NA	Solid	300_Prep	
MB 885-16379/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-16379/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-15686-7 MS	S-7	Total/NA	Solid	300_Prep	
885-15686-7 MSD	S-7	Total/NA	Solid	300_Prep	
885-15686-8 MS	S-8	Total/NA	Solid	300_Prep	
885-15686-8 MSD	S-8	Total/NA	Solid	300_Prep	
885-15686-7 MS 885-15686-7 MSD 885-15686-8 MS	S-7 S-7 S-8	Total/NA Total/NA Total/NA	Solid Solid Solid	300_Prep 300_Prep 300_Prep	

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Client Sample ID: S-1

Client: Ensolum

Lab Sample ID: 885-15686-1

Matrix: Solid

Date Collected: 11/20/24 12:00 Date Received: 11/21/24 06:35

	Prepared
ab	or Analyzed
ET ALB	11/21/24 09:21
ET ALB	11/21/24 12:19

Batch Batch Dilution Batch Prep Type Туре Method Run Factor **Number Analyst** La 5035 EE Total/NA Prep 16371 AT Total/NA Analysis 8015M/D 1 16365 AT E Total/NA Prep 5035 16371 AT **EET ALB** 11/21/24 09:21 Total/NA Analysis 8021B 1 16366 AT **EET ALB** 11/21/24 12:19 Total/NA Prep SHAKE 16380 MI **EET ALB** 11/21/24 10:26 Total/NA Analysis 8015M/D 1 16367 MI **EET ALB** 11/21/24 12:40 Total/NA **EET ALB** 11/21/24 10:22 Prep 300 Prep 16379 JT Total/NA 11/21/24 11:18 Analysis 300.0 20 16341 JT **EET ALB**

Lab Sample ID: 885-15686-2

Matrix: Solid

Date Collected: 11/20/24 12:05 Date Received: 11/21/24 06:35

Client Sample ID: S-2

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			16371	AT	EET ALB	11/21/24 09:21
Total/NA	Analysis	8015M/D		1	16365	AT	EET ALB	11/21/24 12:41
Total/NA	Prep	5035			16371	AT	EET ALB	11/21/24 09:21
Total/NA	Analysis	8021B		1	16366	AT	EET ALB	11/21/24 12:41
Total/NA	Prep	SHAKE			16380	MI	EET ALB	11/21/24 10:26
Total/NA	Analysis	8015M/D		1	16367	MI	EET ALB	11/21/24 12:50
Total/NA	Prep	300_Prep			16379	JT	EET ALB	11/21/24 10:22
Total/NA	Analysis	300.0		20	16341	JT	EET ALB	11/21/24 11:28

Client Sample ID: S-3 Lab Sample ID: 885-15686-3 Date Collected: 11/20/24 12:10

Date Received: 11/21/24 06:35

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			16371	AT	EET ALB	11/21/24 09:21
Total/NA	Analysis	8015M/D		1	16365	AT	EET ALB	11/21/24 13:03
Total/NA	Prep	5035			16371	AT	EET ALB	11/21/24 09:21
Total/NA	Analysis	8021B		1	16366	AT	EET ALB	11/21/24 13:03
Total/NA	Prep	SHAKE			16380	MI	EET ALB	11/21/24 10:26
Total/NA	Analysis	8015M/D		1	16367	MI	EET ALB	11/21/24 13:01
Total/NA	Prep	300_Prep			16379	JT	EET ALB	11/21/24 10:22
Total/NA	Analysis	300.0		20	16341	JT	EET ALB	11/21/24 11:37

Client Sample ID: S-4 Lab Sample ID: 885-15686-4

Date Collected: 11/20/24 12:15 Date Received: 11/21/24 06:35

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			16371	AT	EET ALB	11/21/24 09:21
Total/NA	Analysis	8015M/D		1	16464	JP	EET ALB	11/22/24 11:21

Eurofins Albuquerque

Client Sample ID: S-4

Client: Ensolum

Lab Sample ID: 885-15686-4 Date Collected: 11/20/24 12:15

Matrix: Solid

Date Received: 11/21/24 06:35

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			16371	AT	EET ALB	11/21/24 09:21
Total/NA	Analysis	8021B		1	16465	AT	EET ALB	11/22/24 11:21
Total/NA	Prep	SHAKE			16380	MI	EET ALB	11/21/24 10:26
Total/NA	Analysis	8015M/D		1	16367	MI	EET ALB	11/21/24 13:11
Total/NA	Prep	300_Prep			16379	JT	EET ALB	11/21/24 10:22
Total/NA	Analysis	300.0		20	16341	JT	EET ALB	11/21/24 11:47

Client Sample ID: S-5 Lab Sample ID: 885-15686-5

Matrix: Solid

Date Collected: 11/20/24 12:20 Date Received: 11/21/24 06:35

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			16371	AT	EET ALB	11/21/24 09:21
Total/NA	Analysis	8015M/D		1	16464	JP	EET ALB	11/22/24 12:05
Total/NA	Prep	5035			16371	AT	EET ALB	11/21/24 09:21
Total/NA	Analysis	8021B		1	16465	AT	EET ALB	11/22/24 12:05
Total/NA	Prep	SHAKE			16380	MI	EET ALB	11/21/24 10:26
Total/NA	Analysis	8015M/D		5	16360	MI	EET ALB	11/21/24 16:09
Total/NA	Prep	300_Prep			16379	JT	EET ALB	11/21/24 10:22
Total/NA	Analysis	300.0		20	16341	JT	EET ALB	11/21/24 11:57

Client Sample ID: S-6 Lab Sample ID: 885-15686-6 Date Collected: 11/20/24 12:25 **Matrix: Solid**

Date Received: 11/21/24 06:35

Released to Imaging: 6/24/2025 2:59:03 PM

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			16371	AT	EET ALB	11/21/24 09:21
Total/NA	Analysis	8015M/D		1	16365	AT	EET ALB	11/21/24 14:08
Total/NA	Prep	5035			16371	AT	EET ALB	11/21/24 09:21
Total/NA	Analysis	8021B		1	16366	AT	EET ALB	11/21/24 14:08
Total/NA	Prep	SHAKE			16380	MI	EET ALB	11/21/24 10:26
Total/NA	Analysis	8015M/D		1	16453	MI	EET ALB	11/22/24 10:59
Total/NA	Prep	300_Prep			16379	JT	EET ALB	11/21/24 10:22
Total/NA	Analysis	300.0		20	16341	JT	EET ALB	11/21/24 12:07

Client Sample ID: S-7 Lab Sample ID: 885-15686-7

Date Collected: 11/20/24 12:30 **Matrix: Solid** Date Received: 11/21/24 06:35

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			16371	AT	EET ALB	11/21/24 09:21
Total/NA	Analysis	8015M/D		10	16365	AT	EET ALB	11/21/24 14:29
Total/NA	Prep	5035			16371	AT	EET ALB	11/21/24 09:21
Total/NA	Analysis	8021B		10	16366	AT	EET ALB	11/21/24 14:29

Eurofins Albuquerque

Job ID: 885-15686-1

Project/Site: Turner Hughes #21 MV

Client Sample ID: S-7

Client: Ensolum

Lab Sample ID: 885-15686-7

Matrix: Solid

Date Collected: 11/20/24 12:30 Date Received: 11/21/24 06:35

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	SHAKE			16380	MI	EET ALB	11/21/24 10:26
Total/NA	Analysis	8015M/D		2	16360	MI	EET ALB	11/21/24 15:57
Total/NA	Prep	300_Prep			16379	JT	EET ALB	11/21/24 10:22
Total/NA	Analysis	300.0		20	16341	JT	EET ALB	11/21/24 12:37

Client Sample ID: S-8 Lab Sample ID: 885-15686-8

Matrix: Solid Date Collected: 11/20/24 12:35

Date Received: 11/21/24 06:35

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			16371	AT	EET ALB	11/21/24 09:21
Total/NA	Analysis	8015M/D		10	16365	AT	EET ALB	11/21/24 14:51
Total/NA	Prep	5035			16371	AT	EET ALB	11/21/24 09:21
Total/NA	Analysis	8021B		10	16366	AT	EET ALB	11/21/24 14:51
Total/NA	Prep	SHAKE			16380	MI	EET ALB	11/21/24 10:26
Total/NA	Analysis	8015M/D		10	16360	MI	EET ALB	11/21/24 15:45
Total/NA	Prep	300_Prep			16379	JT	EET ALB	11/21/24 10:22
Total/NA	Analysis	300.0		20	16341	JT	EET ALB	11/21/24 12:46

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Eurofins Albuquerque

11/25/2024

Accreditation/Certification Summary

Client: Ensolum Job ID: 885-15686-1

Project/Site: Turner Hughes #21 MV

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

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Login Sample Receipt Checklist

Client: Ensolum Job Number: 885-15686-1

Login Number: 15686 List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Kyle Summers Ensolum 606 S Rio Grande Suite A Aztec, New Mexico 87410

Generated 12/4/2024 11:23:22 AM

JOB DESCRIPTION

Turner Hughes #21MV

JOB NUMBER

885-15894-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

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Authorized for release by John Caldwell, Project Manager john.caldwell@et.eurofinsus.com (505)345-3975 Client: Ensolum Laboratory Job ID: 885-15894-1

Project/Site: Turner Hughes #21MV

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Definitions/Glossary

Client: Ensolum Job ID: 885-15894-1

Project/Site: Turner Hughes #21MV

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: Ensolum Job ID: 885-15894-1

Project: Turner Hughes #21MV

Job ID: 885-15894-1 Eurofins Albuquerque

Job Narrative 885-15894-1

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 11/26/2024 6:45 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 1.1°C.

Gasoline Range Organics

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

GC VOA

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

Diesel Range Organics

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

HPLC/IC

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

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Q Q

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Client: Ensolum Job ID: 885-15894-1

Project/Site: Turner Hughes #21MV

Client Sample ID: S-4a Lab Sample ID: 885-15894-1

Matrix: Solid

Date Collected: 11/25/24 13:00 Date Received: 11/26/24 06:45

Analyte

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.6	mg/Kg		11/26/24 08:59	11/26/24 11:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		35 - 166			11/26/24 08:59	11/26/24 11:20	1
Method: SW846 8021B - Volatile (Organic Comp	ounds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.018	mg/Kg		11/26/24 08:59	11/26/24 11:20	1
Ethylbenzene	ND		0.036	mg/Kg		11/26/24 08:59	11/26/24 11:20	1
Toluene	ND		0.036	mg/Kg		11/26/24 08:59	11/26/24 11:20	1
Xylenes, Total	0.080		0.072	mg/Kg		11/26/24 08:59	11/26/24 11:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		48 - 145			11/26/24 08:59	11/26/24 11:20	1
Method: SW846 8015M/D - Diese	Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	250		9.7	mg/Kg		11/26/24 09:16	11/26/24 10:42	1
Motor Oil Range Organics [C28-C40]	110		48	mg/Kg		11/26/24 09:16	11/26/24 10:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			11/26/24 09:16	11/26/24 10:42	1

RL

60

Unit

mg/Kg

Prepared

11/26/24 09:38

Analyzed

11/26/24 10:20

Dil Fac

20

Result Qualifier

ND

Client: Ensolum Job ID: 885-15894-1

Project/Site: Turner Hughes #21MV

Client Sample ID: S-5a Lab Sample ID: 885-15894-2

Date Collected: 11/25/24 13:05 Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.0	mg/Kg		11/26/24 08:59	11/26/24 11:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		35 - 166			11/26/24 08:59	11/26/24 11:43	1
Method: SW846 8021B - Volatile (Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.020	mg/Kg		11/26/24 08:59	11/26/24 11:43	1
Ethylbenzene	ND		0.040	mg/Kg		11/26/24 08:59	11/26/24 11:43	1
Toluene	ND		0.040	mg/Kg		11/26/24 08:59	11/26/24 11:43	1
Xylenes, Total	ND		0.079	mg/Kg		11/26/24 08:59	11/26/24 11:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		48 - 145			11/26/24 08:59	11/26/24 11:43	1
Method: SW846 8015M/D - Diesel	Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	240		9.7	mg/Kg		11/26/24 09:16	11/26/24 10:54	1
Motor Oil Range Organics [C28-C40]	110		49	mg/Kg		11/26/24 09:16	11/26/24 10:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			11/26/24 09:16	11/26/24 10:54	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg	_	11/26/24 09:38	11/26/24 10:30	20

Client: Ensolum Job ID: 885-15894-1

Project/Site: Turner Hughes #21MV

Released to Imaging: 6/24/2025 2:59:03 PM

Client Sample ID: S-7a Lab Sample ID: 885-15894-3

Date Collected: 11/25/24 13:10 Matrix: Solid Date Received: 11/26/24 06:45

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.5	mg/Kg		11/26/24 08:59	11/26/24 12:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		35 - 166			11/26/24 08:59	11/26/24 12:07	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.017	mg/Kg		11/26/24 08:59	11/26/24 12:07	1
Ethylbenzene	ND		0.035	mg/Kg		11/26/24 08:59	11/26/24 12:07	1
Toluene	ND		0.035	mg/Kg		11/26/24 08:59	11/26/24 12:07	1
Xylenes, Total	ND		0.069	mg/Kg		11/26/24 08:59	11/26/24 12:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		48 - 145			11/26/24 08:59	11/26/24 12:07	1
Method: SW846 8015M/D - Diese	Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	46		9.7	mg/Kg		11/26/24 09:16	11/26/24 11:06	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		11/26/24 09:16	11/26/24 11:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			11/26/24 09:16	11/26/24 11:06	1

Method: EPA 300.0 - Anions, Ion Chromatography											
	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac			
	Chloride	ND —	60	mg/Kg		11/26/24 09:38	11/26/24 10:40	20			

Client: Ensolum Job ID: 885-15894-1

Project/Site: Turner Hughes #21MV

Client Sample ID: S-8a

Lab Sample ID: 885-15894-4

Date Collected: 11/25/24 13:15 Matrix: Solid Date Received: 11/26/24 06:45

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.5	mg/Kg		11/26/24 08:59	11/26/24 12:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		35 - 166			11/26/24 08:59	11/26/24 12:30	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.017	mg/Kg		11/26/24 08:59	11/26/24 12:30	1
Ethylbenzene	ND		0.035	mg/Kg		11/26/24 08:59	11/26/24 12:30	1
Toluene	ND		0.035	mg/Kg		11/26/24 08:59	11/26/24 12:30	1
Xylenes, Total	ND		0.070	mg/Kg		11/26/24 08:59	11/26/24 12:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		48 - 145			11/26/24 08:59	11/26/24 12:30	1
Method: SW846 8015M/D - Diese	I Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	47		9.2	mg/Kg		11/26/24 09:16	11/26/24 11:18	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		11/26/24 09:16	11/26/24 11:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			11/26/24 09:16	11/26/24 11:18	1
·								
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy						
	• •	hy Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Prep Batch: 16656

Job ID: 885-15894-1 Client: Ensolum

Project/Site: Turner Hughes #21MV

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-16656/1-A Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Solid Analysis Batch: 16654

MB MB Analyte Result Qualifier RLUnit D Prepared Analyzed Dil Fac Gasoline Range Organics [C6 - C10] ND 5.0 mg/Kg 11/26/24 08:59 11/26/24 10:56

MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 109 35 - 166 11/26/24 08:59 11/26/24 10:56

Lab Sample ID: LCS 885-16656/2-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 16654

Prep Batch: 16656 Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits 25.0 24.2 97 mg/Kg 70 - 130Gasoline Range Organics [C6 -

C10]

LCS LCS

%Recovery Qualifier Limits Surrogate 203 35 - 166 4-Bromofluorobenzene (Surr)

Lab Sample ID: 885-15894-1 MS

Matrix: Solid

Analysis Batch: 16654

Prep Batch: 16656 Sample Sample Spike MS MS Result Qualifier Added Result Qualifier Analyte Unit D %Rec Limits 70 - 130

17.9 106 Gasoline Range Organics [C6 -ND 20.6 mg/Kg C10]

%Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 227 35 - 166

Lab Sample ID: 885-15894-1 MSD

Matrix: Solid

Analysis Batch: 16654

Sample Sample MSD MSD Spike %Rec Result Qualifier Qualifier Added RPD Analyte Result %Rec Limits Unit Gasoline Range Organics [C6 -ND 17.9 20.5 mg/Kg 106 70 - 130 0

C10]

MSD MSD

MS MS

%Recovery Surrogate Qualifier Limits 35 - 166 4-Bromofluorobenzene (Surr) 225

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-16656/1-A

Released to Imaging: 6/24/2025 2:59:03 PM

Analysis Batch: 16655

Client Sample ID: Method Blank Matrix: Solid Prep Type: Total/NA Prep Batch: 16656

MB MB Analyte Result Qualifier RL Unit Analyzed Dil Fac D Prepared 0.025 Benzene ND mg/Kg 11/26/24 08:59 11/26/24 10:56 Ethylbenzene ND 0.050 mg/Kg 11/26/24 08:59 11/26/24 10:56 ND 0.050 11/26/24 10:56 Toluene 11/26/24 08:59 mg/Kg

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Client Sample ID: S-4a

Client Sample ID: S-4a

Prep Type: Total/NA

Prep Type: Total/NA Prep Batch: 16656

RPD Limit

20

Job ID: 885-15894-1 Client: Ensolum

Project/Site: Turner Hughes #21MV

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

Lab Sample ID: MB 885-16656/1-A **Matrix: Solid**

Analysis Batch: 16655

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 16656

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Xylenes, Total ND 0.10 11/26/24 08:59 11/26/24 10:56 mg/Kg

> MR MR

MB MB

%Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 116 48 - 145 11/26/24 08:59 11/26/24 10:56

Lab Sample ID: LCS 885-16656/3-A Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 16655

Prep Type: Total/NA

Prep Batch: 16656

LCS LCS Spike %Rec Analyte Added Result Qualifier %Rec Unit Limits Benzene 1.00 1.06 mg/Kg 106 70 - 130 Ethylbenzene 1.00 1.11 mg/Kg 111 70 - 130 Toluene 1.00 1.12 mg/Kg 112 70 - 130 Xylenes, Total 3.00 3.27 mg/Kg 109 70 - 130

LCS LCS

Qualifier Limits Surrogate %Recovery 4-Bromofluorobenzene (Surr) 48 - 145 117

Lab Sample ID: 885-15894-2 MS

Matrix: Solid

Analysis Batch: 16655

Client Sample ID: S-5a Prep Type: Total/NA

Prep Batch: 16656

Sample Sample Spike MS MS Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Benzene ND 0.794 0.836 mg/Kg 105 70 - 130 Ethylbenzene ND 0.794 0.893 mg/Kg 111 70 - 130 ND 0.794 0.905 70 - 130 Toluene mg/Kg 111 Xylenes, Total ND 2.38 2.67 mg/Kg 109 70 - 130

MS MS

Qualifier Limits Surrogate %Recovery 4-Bromofluorobenzene (Surr) 48 - 145 120

Lab Sample ID: 885-15894-2 MSD

Matrix: Solid

Analysis Batch: 16655

Client Sample ID: S-5a Prep Type: Total/NA

Prep Batch: 16656

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	ND		0.794	0.823		mg/Kg		104	70 - 130	2	20
Ethylbenzene	ND		0.794	0.889		mg/Kg		111	70 - 130	0	20
Toluene	ND		0.794	0.876		mg/Kg		108	70 - 130	3	20
Xylenes, Total	ND		2.38	2.66		mg/Kg		109	70 - 130	0	20

MSD MSD

Qualifier %Recovery Limits Surrogate 48 - 145 4-Bromofluorobenzene (Surr) 120

Client: Ensolum Job ID: 885-15894-1

Project/Site: Turner Hughes #21MV

Di-n-octyl phthalate (Surr)

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-16657/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Total/NA Analysis Batch: 16653 Prep Batch: 16657 MR MR

	1410	14.10						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		11/26/24 09:16	11/26/24 10:18	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		11/26/24 09:16	11/26/24 10:18	1
	МВ	MB						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

62 - 134

Lab Sample ID: LCS 885-16657/2-A Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 16653** Prep Batch: 16657

Spike LCS LCS %Rec Result Qualifier Analyte Added Unit D %Rec Limits

Diesel Range Organics 50.0 50.4 mg/Kg 101 60 - 135 [C10-C28] LCS LCS

92

Surrogate %Recovery Qualifier Limits Di-n-octyl phthalate (Surr) 104 62 - 134

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-16664/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 16640** Prep Batch: 16664

Result Qualifier RL Analyte Unit D Prepared Analyzed Dil Fac Chloride ND 3.0 mg/Kg 11/26/24 09:38 11/26/24 09:50

Lab Sample ID: LCS 885-16664/2-A Client Sample ID: Lab Control Sample

Matrix: Solid Prep Type: Total/NA Analysis Batch: 16640 Prep Batch: 16664

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Chloride 30.0 30.1 100 90 - 110 mg/Kg

11/26/24 09:16

11/26/24 10:18

QC Association Summary

Client: Ensolum Job ID: 885-15894-1

Project/Site: Turner Hughes #21MV

GC VOA

Analysis Batch: 16654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15894-1	S-4a	Total/NA	Solid	8015M/D	16656
885-15894-2	S-5a	Total/NA	Solid	8015M/D	16656
885-15894-3	S-7a	Total/NA	Solid	8015M/D	16656
885-15894-4	S-8a	Total/NA	Solid	8015M/D	16656
MB 885-16656/1-A	Method Blank	Total/NA	Solid	8015M/D	16656
LCS 885-16656/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	16656
885-15894-1 MS	S-4a	Total/NA	Solid	8015M/D	16656
885-15894-1 MSD	S-4a	Total/NA	Solid	8015M/D	16656

Analysis Batch: 16655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15894-1	S-4a	Total/NA	Solid	8021B	16656
885-15894-2	S-5a	Total/NA	Solid	8021B	16656
885-15894-3	S-7a	Total/NA	Solid	8021B	16656
885-15894-4	S-8a	Total/NA	Solid	8021B	16656
MB 885-16656/1-A	Method Blank	Total/NA	Solid	8021B	16656
LCS 885-16656/3-A	Lab Control Sample	Total/NA	Solid	8021B	16656
885-15894-2 MS	S-5a	Total/NA	Solid	8021B	16656
885-15894-2 MSD	S-5a	Total/NA	Solid	8021B	16656

Prep Batch: 16656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15894-1	S-4a	Total/NA	Solid	5035	
885-15894-2	S-5a	Total/NA	Solid	5035	
885-15894-3	S-7a	Total/NA	Solid	5035	
885-15894-4	S-8a	Total/NA	Solid	5035	
MB 885-16656/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-16656/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-16656/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-15894-1 MS	S-4a	Total/NA	Solid	5035	
885-15894-1 MSD	S-4a	Total/NA	Solid	5035	
885-15894-2 MS	S-5a	Total/NA	Solid	5035	
885-15894-2 MSD	S-5a	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 16653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15894-1	S-4a	Total/NA	Solid	8015M/D	16657
885-15894-2	S-5a	Total/NA	Solid	8015M/D	16657
885-15894-3	S-7a	Total/NA	Solid	8015M/D	16657
885-15894-4	S-8a	Total/NA	Solid	8015M/D	16657
MB 885-16657/1-A	Method Blank	Total/NA	Solid	8015M/D	16657
LCS 885-16657/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	16657

Prep Batch: 16657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15894-1	S-4a	Total/NA	Solid	SHAKE	
885-15894-2	S-5a	Total/NA	Solid	SHAKE	
885-15894-3	S-7a	Total/NA	Solid	SHAKE	
885-15894-4	S-8a	Total/NA	Solid	SHAKE	

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QC Association Summary

Client: Ensolum Job ID: 885-15894-1

Project/Site: Turner Hughes #21MV

GC Semi VOA (Continued)

Prep Batch: 16657 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-16657/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-16657/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

HPLC/IC

Analysis Batch: 16640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15894-1	S-4a	Total/NA	Solid	300.0	16664
885-15894-2	S-5a	Total/NA	Solid	300.0	16664
885-15894-3	S-7a	Total/NA	Solid	300.0	16664
885-15894-4	S-8a	Total/NA	Solid	300.0	16664
MB 885-16664/1-A	Method Blank	Total/NA	Solid	300.0	16664
LCS 885-16664/2-A	Lab Control Sample	Total/NA	Solid	300.0	16664

Prep Batch: 16664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15894-1	S-4a	Total/NA	Solid	300_Prep	
885-15894-2	S-5a	Total/NA	Solid	300_Prep	
885-15894-3	S-7a	Total/NA	Solid	300_Prep	
885-15894-4	S-8a	Total/NA	Solid	300_Prep	
MB 885-16664/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-16664/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Client Sample ID: S-4a

Client: Ensolum

Total/NA

Lab Sample ID: 885-15894-1

Matrix: Solid

Date Collected: 11/25/24 13:00 Date Received: 11/26/24 06:45

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			16656	JP	EET ALB	11/26/24 08:59
Total/NA	Analysis	8015M/D		1	16654	JP	EET ALB	11/26/24 11:20
Total/NA	Prep	5035			16656	JP	EET ALB	11/26/24 08:59
Total/NA	Analysis	8021B		1	16655	JP	EET ALB	11/26/24 11:20
Total/NA	Prep	SHAKE			16657	MI	EET ALB	11/26/24 09:16
Total/NA	Analysis	8015M/D		1	16653	MI	EET ALB	11/26/24 10:42
Total/NA	Prep	300 Prep			16664	JT	EET ALB	11/26/24 09:38

Client Sample ID: S-5a Lab Sample ID: 885-15894-2

20

Date Collected: 11/25/24 13:05 **Matrix: Solid**

16640 JT

EET ALB

11/26/24 10:20

Date Received: 11/26/24 06:45

Analysis

300.0

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			16656	JP	EET ALB	11/26/24 08:59
Total/NA	Analysis	8015M/D		1	16654	JP	EET ALB	11/26/24 11:43
Total/NA	Prep	5035			16656	JP	EET ALB	11/26/24 08:59
Total/NA	Analysis	8021B		1	16655	JP	EET ALB	11/26/24 11:43
Total/NA	Prep	SHAKE			16657	MI	EET ALB	11/26/24 09:16
Total/NA	Analysis	8015M/D		1	16653	MI	EET ALB	11/26/24 10:54
Total/NA	Prep	300_Prep			16664	JT	EET ALB	11/26/24 09:38
Total/NA	Analysis	300.0		20	16640	JT	EET ALB	11/26/24 10:30

Client Sample ID: S-7a Lab Sample ID: 885-15894-3 Date Collected: 11/25/24 13:10

Date Received: 11/26/24 06:45

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			16656	JP	EET ALB	11/26/24 08:59
Total/NA	Analysis	8015M/D		1	16654	JP	EET ALB	11/26/24 12:07
Total/NA	Prep	5035			16656	JP	EET ALB	11/26/24 08:59
Total/NA	Analysis	8021B		1	16655	JP	EET ALB	11/26/24 12:07
Total/NA	Prep	SHAKE			16657	MI	EET ALB	11/26/24 09:16
Total/NA	Analysis	8015M/D		1	16653	MI	EET ALB	11/26/24 11:06
Total/NA	Prep	300_Prep			16664	JT	EET ALB	11/26/24 09:38
Total/NA	Analysis	300.0		20	16640	JT	EET ALB	11/26/24 10:40

Client Sample ID: S-8a Lab Sample ID: 885-15894-4

Date Collected: 11/25/24 13:15 Date Received: 11/26/24 06:45

	Batch Batch			Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			16656	JP	EET ALB	11/26/24 08:59
Total/NA	Analysis	8015M/D		1	16654	JP	EET ALB	11/26/24 12:30

Eurofins Albuquerque

Matrix: Solid

Matrix: Solid

Lab Chronicle

Client: Ensolum Job ID: 885-15894-1

Project/Site: Turner Hughes #21MV

Client Sample ID: S-8a Lab Sample ID: 885-15894-4

Matrix: Solid

Date Collected: 11/25/24 13:15 Date Received: 11/26/24 06:45

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			16656	JP	EET ALB	11/26/24 08:59
Total/NA	Analysis	8021B		1	16655	JP	EET ALB	11/26/24 12:30
Total/NA	Prep	SHAKE			16657	MI	EET ALB	11/26/24 09:16
Total/NA	Analysis	8015M/D		1	16653	MI	EET ALB	11/26/24 11:18
Total/NA	Prep	300_Prep			16664	JT	EET ALB	11/26/24 09:38
Total/NA	Analysis	300.0		20	16640	JT	EET ALB	11/26/24 10:51

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ensolum Job ID: 885-15894-1

Project/Site: Turner Hughes #21MV

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

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Eurofins Albuquerque

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Chain-of-Custody Record	Turn-Around Time: 100%	HALL ENVIRONMENTAL
Client: Ensolum LLC Mailing Address: 606 S Rio Grande Suit A 87410 Phone #:	□ Standard □ Rush 11-26-24	ANALYSIS LABORAT
	Project Name:	www.hallenvironmental.com
Mailing Address: 606 S Rio Grande	Turner Huches \$21 MV	4901 Hawkins NE - Albuquerque, NM 87109 885-15894 COO
Suit A 87410	Project #:	4901 Hawkins NE - Albuquerque, NM 87109 885-15894 COC Tel. 505-345-3975 Fax 505-345-4107
Phone #:		Analysis Request
email or Fax#:	Project Manager:	
QA/QC Package:	40.00	SIMS SIMS It/Abse
☐ Standard ☐ Level 4 (Full Validation)	K Summers	Hatel's (8021) / DRO / MRO 3082 PCB's 4.1) 8270SIMS 8270SIMS (Co., PO4, SO
Accreditation: □ Az Compliance	Sampler: C. D. Apon L;	E / Marge RO / DR es/8082 504.1) or 8270 Is St. NO2, Ref. NO2,
□ NELAC □ Other □ Dther	On Ice: Yes □ No No Yes # of Coolers: No Yes	
	Cooler Temp(Including CF): 1.1 ± Ø = [.] (°C)	BTEX / NTTBE / TPH:8015D(GR 8081 Pesticides EDB (Method 50 PAHs by 8310 cr RCRA 8 Metals Cil R- Bc, NGs, S260 (VOA) Total Coliform (I Total Coliform (I
	Container Preservative HEAL No.	BTEX / M#H TPH:8015D(8081 Pestici EDB (Metho EDB (Metho EDB (Wetho RCRA 8 Me Ci) R B R RCRA 8 Me Total Colifor
Date Time Matrix Sample Name	Type and # Type	BTEX, BTEX, BO81 P PAHS CO, PE PAHS CO,
1/25-1300 5 5-42	How For last	
1/25 1305 S S-5a	402 Ser lood	
1/25 1310 S S-7a	Hoz Sai Cod	
"/25 1310 5 5-7a "/25 1315 5 5-8a	Mor Jar Lool	
Date. Time: Relinquished by	Received by: V/a: Date Time	Remarks: Tom long An 14058 GOT un
105/24 1205 (Ballet)	Qualte "/25/24 1405	An 14058
Date: Time: Relinquished by:	Received by: Via: (WWC Date Time	5 Day
TOP TO JANUAR WOULD	11/20/24 1.45	s possibility Any sub-contracted data will be clearly notated on the analytical report.

1 1 0 8 7 6 5 4 8 0 6 1

Login Sample Receipt Checklist

Client: Ensolum Job Number: 885-15894-1

Login Number: 15894 List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Kyle Summers Ensolum 606 S Rio Grande Suite A Aztec, New Mexico 87410

Generated 12/4/2024 4:36:49 PM

JOB DESCRIPTION

Turner Hughes #21 MV

JOB NUMBER

885-16138-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109

1

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated 12/4/2024 4:36:49 PM

Authorized for release by John Caldwell, Project Manager john.caldwell@et.eurofinsus.com (505)345-3975 Client: Ensolum Laboratory Job ID: 885-16138-1

Project/Site: Turner Hughes #21 MV

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Definitions/Glossary

Client: Ensolum Job ID: 885-16138-1

Project/Site: Turner Hughes #21 MV

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 MLMinimum 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 **Quality Control** QC

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: Ensolum Job ID: 885-16138-1

Project: Turner Hughes #21 MV

Job ID: 885-16138-1

Eurofins Albuquerque

Job Narrative 885-16138-1

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 12/3/2024 6:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.5°C.

Gasoline Range Organics

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

GC VOA

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

Diesel Range Organics

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

HPLC/IC

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

Job ID: 885-16138-1

Unit

mg/Kg

Prepared

12/03/24 10:52

Project/Site: Turner Hughes #21 MV

Client Sample ID: S-4b

Client: Ensolum

Analyte

Chloride

Lab Sample ID: 885-16138-1

Matrix: Solid

Date Collected: 12/02/24 13:00 Date Received: 12/03/24 06:35

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.6	mg/Kg		12/03/24 09:10	12/03/24 11:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		35 - 166			12/03/24 09:10	12/03/24 11:25	1
Method: SW846 8021B - Volatile (Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.018	mg/Kg		12/03/24 09:10	12/03/24 11:25	1
Ethylbenzene	ND		0.036	mg/Kg		12/03/24 09:10	12/03/24 11:25	1
Toluene	ND		0.036	mg/Kg		12/03/24 09:10	12/03/24 11:25	1
Xylenes, Total	ND		0.072	mg/Kg		12/03/24 09:10	12/03/24 11:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		48 - 145			12/03/24 09:10	12/03/24 11:25	1
Method: SW846 8015M/D - Diesel	Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		12/03/24 08:52	12/03/24 12:29	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/03/24 08:52	12/03/24 12:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		62 - 134			12/03/24 08:52	12/03/24 12:29	1

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Result Qualifier

ND

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Dil Fac

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Analyzed

12/03/24 14:23

Job ID: 885-16138-1

Project/Site: Turner Hughes #21 MV

Client Sample ID: S-5b Date Collected: 12/02/24 13:05

Date Received: 12/03/24 06:35

Client: Ensolum

Lab Sample ID: 885-16138-2

Matrix: Solid

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Method: SW846 8015M/D - Gasol	ine Range Org	anics (GRC)) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.6	mg/Kg		12/03/24 09:10	12/03/24 11:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		35 - 166			12/03/24 09:10	12/03/24 11:47	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.018	mg/Kg		12/03/24 09:10	12/03/24 11:47	1
Ethylbenzene	ND		0.036	mg/Kg		12/03/24 09:10	12/03/24 11:47	1
Toluene	ND		0.036	mg/Kg		12/03/24 09:10	12/03/24 11:47	1
Xylenes, Total	ND		0.071	mg/Kg		12/03/24 09:10	12/03/24 11:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		48 - 145			12/03/24 09:10	12/03/24 11:47	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		12/03/24 08:52	12/03/24 12:50	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/03/24 08:52	12/03/24 12:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		62 - 134			12/03/24 08:52	12/03/24 12:50	1

Method: EPA 300.0 - Anions, ion C	nromatograpny						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND —	60	mg/Kg		12/03/24 10:52	12/03/24 14:33	20

Client: Ensolum Job ID: 885-16138-1

Project/Site: Turner Hughes #21 MV

Client Sample ID: S-7b Date Collected: 12/02/24 13:10

Date Received: 12/03/24 06:35

Lab Sample ID: 885-16138-3

Matrix: Solid

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Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.9	mg/Kg		12/03/24 09:10	12/03/24 12:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		35 - 166			12/03/24 09:10	12/03/24 12:09	1
- Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019	mg/Kg		12/03/24 09:10	12/03/24 12:09	1
Ethylbenzene	ND		0.039	mg/Kg		12/03/24 09:10	12/03/24 12:09	1
Toluene	ND		0.039	mg/Kg		12/03/24 09:10	12/03/24 12:09	1
Xylenes, Total	ND		0.078	mg/Kg		12/03/24 09:10	12/03/24 12:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			12/03/24 09:10	12/03/24 12:09	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	10		9.3	mg/Kg		12/03/24 08:52	12/03/24 13:01	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		12/03/24 08:52	12/03/24 13:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98	·	62 - 134			12/03/24 08:52	12/03/24 13:01	1

Method: EPA 300.0 - Anions, ion Ci	nromatograpny						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND	60	mg/Kg		12/03/24 10:52	12/03/24 14:43	20

Client: Ensolum Job ID: 885-16138-1

Project/Site: Turner Hughes #21 MV

Client Sample ID: S-8b Lab Sample ID: 885-16138-4

Date Collected: 12/02/24 13:15 Matrix: Solid

Date Received: 12/03/24 06:35

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.9	mg/Kg		12/03/24 09:10	12/03/24 12:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		35 - 166			12/03/24 09:10	12/03/24 12:31	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019	mg/Kg		12/03/24 09:10	12/03/24 12:31	1
Ethylbenzene	ND		0.039	mg/Kg		12/03/24 09:10	12/03/24 12:31	1
Toluene	ND		0.039	mg/Kg		12/03/24 09:10	12/03/24 12:31	1
Xylenes, Total	ND		0.078	mg/Kg		12/03/24 09:10	12/03/24 12:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			12/03/24 09:10	12/03/24 12:31	1
- Method: SW846 8015M/D - Diese	I Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		12/03/24 08:52	12/03/24 13:11	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/03/24 08:52	12/03/24 13:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		62 - 134			12/03/24 08:52	12/03/24 13:11	1

Method: EPA 300.0 - Anions, Ion C	hromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND ND	60	mg/Kg		12/03/24 10:52	12/03/24 14:52	20

Eurofins Albuquerque

Released to Imaging: 6/24/2025 2:59:03 PM

Prep Type: Total/NA

Client Sample ID: S-4b

Client Sample ID: S-4b

Prep Type: Total/NA

Prep Batch: 16890

Job ID: 885-16138-1 Client: Ensolum

Project/Site: Turner Hughes #21 MV

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Client Sample ID: Method Blank Lab Sample ID: MB 885-16890/1-A **Matrix: Solid**

Analysis Batch: 16888 MB MB

Analyte Result Qualifier RLUnit D Prepared Analyzed Dil Fac Gasoline Range Organics [C6 - C10] ND 5.0 mg/Kg 12/03/24 09:10 12/03/24 11:04

MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 88 35 - 166 12/03/24 09:10 12/03/24 11:04

Lab Sample ID: LCS 885-16890/2-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 16888

Prep Batch: 16890 Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits 25.0 23.1 92 mg/Kg 70 - 130Gasoline Range Organics [C6 -

C10]

LCS LCS

%Recovery Qualifier Limits Surrogate 35 - 166 4-Bromofluorobenzene (Surr) 196

Lab Sample ID: 885-16138-1 MS

Matrix: Solid

Prep Type: Total/NA **Analysis Batch: 16888** Prep Batch: 16890 Sample Sample Spike MS MS Result Qualifier Added Result Qualifier Unit D %Rec Limits

Analyte 86 Gasoline Range Organics [C6 -ND 18.1 15.5 mg/Kg 70 - 130

C10]

MS MS

%Recovery Qualifier Limits Surrogate 181 35 - 166

4-Bromofluorobenzene (Surr)

Lab Sample ID: 885-16138-1 MSD

Matrix: Solid

Analysis Batch: 16888

Prep Batch: 16890 Sample Sample MSD MSD RPD Spike %Rec Result Qualifier Qualifier Added RPD Limit Analyte Result %Rec Limits Unit Gasoline Range Organics [C6 -ND 18.1 16.1 mg/Kg 89 70 - 130 20

C10]

MSD MSD

%Recovery Surrogate Qualifier Limits 35 - 166 4-Bromofluorobenzene (Surr) 179

Method: 8021B - Volatile Organic Compounds (GC)

Released to Imaging: 6/24/2025 2:59:03 PM

Lab Sample ID: MB 885-16890/1-A Client Sample ID: Method Blank Matrix: Solid Prep Type: Total/NA **Analysis Batch: 16949** Prep Batch: 16890

MB MB Analyte Result Qualifier RL Unit Analyzed Dil Fac D Prepared 0.025 Benzene ND mg/Kg 12/03/24 09:10 12/03/24 11:04 Ethylbenzene ND 0.050 mg/Kg 12/03/24 09:10 12/03/24 11:04 ND 0.050 Toluene 12/03/24 09:10 12/03/24 11:04 mg/Kg

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Page 10 of 20

Job ID: 885-16138-1 Client: Ensolum

Project/Site: Turner Hughes #21 MV

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

Lab Sample ID: MB 885-16890/1-A **Matrix: Solid**

Analysis Batch: 16949

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 16890

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Xylenes, Total ND 0.10 12/03/24 09:10 12/03/24 11:04 mg/Kg

> MR MR

MB MB

%Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 104 48 - 145 12/03/24 09:10 12/03/24 11:04

Lab Sample ID: LCS 885-16890/3-A Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 16949

Prep Type: Total/NA

Prep Batch: 16890

LCS LCS Spike %Rec Added Result Qualifier %Rec Analyte Unit Limits Benzene 1.00 0.832 mg/Kg 83 70 - 130Ethylbenzene 1.00 0.879 mg/Kg 88 70 - 130 Toluene 1.00 0.858 mg/Kg 86 70 - 130 Xylenes, Total 3.00 2.61 mg/Kg 70 - 130

LCS LCS

ND

Qualifier Limits Surrogate %Recovery 4-Bromofluorobenzene (Surr) 48 - 145 104

Lab Sample ID: 885-16138-2 MS

Matrix: Solid

Xylenes, Total

Analysis Batch: 16949

Client Sample ID: S-5b Prep Type: Total/NA

Prep Batch: 16890

Sample Sample Spike MS MS Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Benzene ND 0.714 0.638 mg/Kg 89 70 - 130 Ethylbenzene ND 0.714 0.669 mg/Kg 94 70 - 130 0.714 0.654 92 70 - 130 Toluene ND mg/Kg

2.02

mg/Kg

94

70 - 130

2.14

MS MS

Qualifier Limits Surrogate %Recovery 4-Bromofluorobenzene (Surr) 48 - 145 98

Lab Sample ID: 885-16138-2 MSD

Matrix: Solid

Analysis Batch: 16949

Client Sample ID: S-5b Prep Type: Total/NA

Prep Batch: 16890

Sample Spike MSD MSD %Rec RPD Sample Added Limit Analyte Result Qualifier Result Qualifier Unit %Rec Limits RPD D 0.714 0.628 88 Benzene ND mg/Kg 70 - 1302 20 Ethylbenzene ND 0.714 0.650 mg/Kg 91 70 - 130 3 20 Toluene ND 0.714 0.642 mg/Kg 90 70 - 130 2 20 Xylenes, Total ND 2.14 1.99 mg/Kg 93 70 - 130 20

MSD MSD

Surrogate %Recovery Qualifier Limits 48 - 145 4-Bromofluorobenzene (Surr) 96

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 16885

Prep Batch: 16885

Job ID: 885-16138-1

Project/Site: Turner Hughes #21 MV

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-16885/1-A Client Sample ID: Method Blank **Matrix: Solid**

Analysis Batch: 16900

Client: Ensolum

MB MB Analyte Result Qualifier RLUnit D Prepared Analyzed Dil Fac Diesel Range Organics [C10-C28] ND 10 mg/Kg 12/03/24 08:52 12/03/24 10:54 Motor Oil Range Organics [C28-C40] ND 50 mg/Kg 12/03/24 08:52 12/03/24 10:54

MB MB

Qualifier Limits Dil Fac Surrogate %Recovery Prepared Analyzed Di-n-octyl phthalate (Surr) 85 62 - 134 12/03/24 08:52 12/03/24 10:54

Client Sample ID: Lab Control Sample Lab Sample ID: LCS 885-16885/2-A

Matrix: Solid

Analysis Batch: 16900

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits 50.0 37.5 75 60 - 135 Diesel Range Organics mg/Kg

[C10-C28]

LCS LCS Surrogate %Recovery Qualifier Limits Di-n-octyl phthalate (Surr) 94 62 - 134

Lab Sample ID: 885-16138-4 MS

Matrix: Solid

Client Sample ID: S-8b Prep Type: Total/NA **Analysis Batch: 16900** Prep Batch: 16885 MS MS %Rec Sample Sample Spike

Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits 46.8 **Diesel Range Organics** ND 35.2 mg/Kg 75 44 - 136

[C10-C28]

MS MS

%Recovery Qualifier Limits Surrogate Di-n-octyl phthalate (Surr) 62 - 134 98

Lab Sample ID: 885-16138-4 MSD

Matrix: Solid

Analysis Batch: 16900

MSD MSD Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD **Diesel Range Organics** ND 49.0 37.3 76 44 - 136 mg/Kg

[C10-C28]

MSD MSD %Recovery Surrogate Qualifier Limits Di-n-octyl phthalate (Surr) 98 62 - 134

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-16905/1-A

Matrix: Solid

Analysis Batch: 16894 мв мв Analyte Result Qualifier RL Unit Prepared Analyzed Chloride ND 3.0 mg/Kg 12/03/24 10:52 12/03/24 14:03

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Client Sample ID: S-8b

Prep Type: Total/NA Prep Batch: 16885

RPD

Limit

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 16905

Dil Fac

QC Sample Results

Client: Ensolum Job ID: 885-16138-1

Project/Site: Turner Hughes #21 MV

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-16905/2-A **Client Sample ID: Lab Control Sample Prep Type: Total/NA**

Matrix: Solid

Analysis Batch: 16894							Pre	p Batch: 16905
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	30.0	28.2		mg/Kg		94	90 - 110	

QC Association Summary

Client: Ensolum Job ID: 885-16138-1

Project/Site: Turner Hughes #21 MV

GC VOA

Analysis Batch: 16888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16138-1	S-4b	Total/NA	Solid	8015M/D	16890
885-16138-2	S-5b	Total/NA	Solid	8015M/D	16890
885-16138-3	S-7b	Total/NA	Solid	8015M/D	16890
885-16138-4	S-8b	Total/NA	Solid	8015M/D	16890
MB 885-16890/1-A	Method Blank	Total/NA	Solid	8015M/D	16890
LCS 885-16890/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	16890
885-16138-1 MS	S-4b	Total/NA	Solid	8015M/D	16890
885-16138-1 MSD	S-4b	Total/NA	Solid	8015M/D	16890

Prep Batch: 16890

Prep Batcl	Method	Matrix	Prep Type	Client Sample ID	Lab Sample ID
	5035	Solid	Total/NA	S-4b	885-16138-1
	5035	Solid	Total/NA	S-5b	885-16138-2
	5035	Solid	Total/NA	S-7b	885-16138-3
	5035	Solid	Total/NA	S-8b	885-16138-4
	5035	Solid	Total/NA	Method Blank	MB 885-16890/1-A
	5035	Solid	Total/NA	Lab Control Sample	LCS 885-16890/2-A
	5035	Solid	Total/NA	Lab Control Sample	LCS 885-16890/3-A
	5035	Solid	Total/NA	S-4b	885-16138-1 MS
	5035	Solid	Total/NA	S-4b	885-16138-1 MSD
	5035	Solid	Total/NA	S-5b	885-16138-2 MS
	5035	Solid	Total/NA	S-5b	885-16138-2 MSD

Analysis Batch: 16949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16138-1	S-4b	Total/NA	Solid	8021B	16890
885-16138-2	S-5b	Total/NA	Solid	8021B	16890
885-16138-3	S-7b	Total/NA	Solid	8021B	16890
885-16138-4	S-8b	Total/NA	Solid	8021B	16890
MB 885-16890/1-A	Method Blank	Total/NA	Solid	8021B	16890
LCS 885-16890/3-A	Lab Control Sample	Total/NA	Solid	8021B	16890
885-16138-2 MS	S-5b	Total/NA	Solid	8021B	16890
885-16138-2 MSD	S-5b	Total/NA	Solid	8021B	16890

GC Semi VOA

Prep Batch: 16885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16138-1	S-4b	Total/NA	Solid	SHAKE	
885-16138-2	S-5b	Total/NA	Solid	SHAKE	
885-16138-3	S-7b	Total/NA	Solid	SHAKE	
885-16138-4	S-8b	Total/NA	Solid	SHAKE	
MB 885-16885/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-16885/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-16138-4 MS	S-8b	Total/NA	Solid	SHAKE	
885-16138-4 MSD	S-8b	Total/NA	Solid	SHAKE	

Analysis Batch: 16900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16138-1	S-4b	Total/NA	Solid	8015M/D	16885
885-16138-2	S-5b	Total/NA	Solid	8015M/D	16885

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12/4/2024

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QC Association Summary

Client: Ensolum Job ID: 885-16138-1

Project/Site: Turner Hughes #21 MV

GC Semi VOA (Continued)

Analysis Batch: 16900 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16138-3	S-7b	Total/NA	Solid	8015M/D	16885
885-16138-4	S-8b	Total/NA	Solid	8015M/D	16885
MB 885-16885/1-A	Method Blank	Total/NA	Solid	8015M/D	16885
LCS 885-16885/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	16885
885-16138-4 MS	S-8b	Total/NA	Solid	8015M/D	16885
885-16138-4 MSD	S-8b	Total/NA	Solid	8015M/D	16885

HPLC/IC

Analysis Batch: 16894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16138-1	S-4b	Total/NA	Solid	300.0	16905
885-16138-2	S-5b	Total/NA	Solid	300.0	16905
885-16138-3	S-7b	Total/NA	Solid	300.0	16905
885-16138-4	S-8b	Total/NA	Solid	300.0	16905
MB 885-16905/1-A	Method Blank	Total/NA	Solid	300.0	16905
LCS 885-16905/2-A	Lab Control Sample	Total/NA	Solid	300.0	16905

Prep Batch: 16905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16138-1	S-4b	Total/NA	Solid	300_Prep	
885-16138-2	S-5b	Total/NA	Solid	300_Prep	
885-16138-3	S-7b	Total/NA	Solid	300_Prep	
885-16138-4	S-8b	Total/NA	Solid	300_Prep	
MB 885-16905/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-16905/2-A	Lab Control Sample	Total/NA	Solid	300 Prep	

Client: Ensolum

Client Sample ID: S-4b

Date Collected: 12/02/24 13:00 Date Received: 12/03/24 06:35

Project/Site: Turner Hughes #21 MV

Lab Sample ID: 885-16138-1

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			16890	AT	EET ALB	12/03/24 09:10
Total/NA	Analysis	8015M/D		1	16888	AT	EET ALB	12/03/24 11:25
Total/NA	Prep	5035			16890	AT	EET ALB	12/03/24 09:10
Total/NA	Analysis	8021B		1	16949	AT	EET ALB	12/03/24 11:25
Total/NA	Prep	SHAKE			16885	MI	EET ALB	12/03/24 08:52
Total/NA	Analysis	8015M/D		1	16900	MI	EET ALB	12/03/24 12:29
Total/NA	Prep	300_Prep			16905	JT	EET ALB	12/03/24 10:52
Total/NA	Analysis	300.0		20	16894	EH	EET ALB	12/03/24 14:23

Lab Sample ID: 885-16138-2

Client Sample ID: S-5b Date Collected: 12/02/24 13:05 **Matrix: Solid**

Date Received: 12/03/24 06:35

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			16890	AT	EET ALB	12/03/24 09:10
Total/NA	Analysis	8015M/D		1	16888	AT	EET ALB	12/03/24 11:47
Total/NA	Prep	5035			16890	AT	EET ALB	12/03/24 09:10
Total/NA	Analysis	8021B		1	16949	AT	EET ALB	12/03/24 11:47
Total/NA	Prep	SHAKE			16885	MI	EET ALB	12/03/24 08:52
Total/NA	Analysis	8015M/D		1	16900	MI	EET ALB	12/03/24 12:50
Total/NA	Prep	300_Prep			16905	JT	EET ALB	12/03/24 10:52
Total/NA	Analysis	300.0		20	16894	EH	EET ALB	12/03/24 14:33

Client Sample ID: S-7b Lab Sample ID: 885-16138-3 Date Collected: 12/02/24 13:10

Date Received: 12/03/24 06:35

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			16890	AT	EET ALB	12/03/24 09:10
Total/NA	Analysis	8015M/D		1	16888	AT	EET ALB	12/03/24 12:09
Total/NA	Prep	5035			16890	AT	EET ALB	12/03/24 09:10
Total/NA	Analysis	8021B		1	16949	AT	EET ALB	12/03/24 12:09
Total/NA	Prep	SHAKE			16885	MI	EET ALB	12/03/24 08:52
Total/NA	Analysis	8015M/D		1	16900	MI	EET ALB	12/03/24 13:01
Total/NA	Prep	300_Prep			16905	JT	EET ALB	12/03/24 10:52
Total/NA	Analysis	300.0		20	16894	EH	EET ALB	12/03/24 14:43

Client Sample ID: S-8b Lab Sample ID: 885-16138-4

Date Collected: 12/02/24 13:15 Date Received: 12/03/24 06:35

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			16890	AT	EET ALB	12/03/24 09:10
Total/NA	Analysis	8015M/D		1	16888	AT	EET ALB	12/03/24 12:31

Eurofins Albuquerque

Matrix: Solid

Matrix: Solid

Lab Chronicle

Client: Ensolum Job ID: 885-16138-1

Project/Site: Turner Hughes #21 MV

Client Sample ID: S-8b Lab Sample ID: 885-16138-4 Date Collected: 12/02/24 13:15

Matrix: Solid

Date Received: 12/03/24 06:35

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			16890	AT	EET ALB	12/03/24 09:10
Total/NA	Analysis	8021B		1	16949	AT	EET ALB	12/03/24 12:31
Total/NA	Prep	SHAKE			16885	MI	EET ALB	12/03/24 08:52
Total/NA	Analysis	8015M/D		1	16900	MI	EET ALB	12/03/24 13:11
Total/NA	Prep	300_Prep			16905	JT	EET ALB	12/03/24 10:52
Total/NA	Analysis	300.0		20	16894	EH	EET ALB	12/03/24 14:52

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ensolum Job ID: 885-16138-1

Project/Site: Turner Hughes #21 MV

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

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Eurofins Albuquerque

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Accred	litation: _AC	☐ Az Co ☐ Othe	ompliance r	Sampler: On Ice:	OD Apo	た ; □ No	_	30 / DR	s/8082	504.1)	or 8270	8		(AC	(Preser				
□ EDI	O (Type)			# of Coolers: Cooler Temp		9.3+0.2;0.5(°C)	MEBE	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082	EDB (Method 504.1)	PAHS by 8310 or 8270SIMS RCRA 8 Metals	Ź	(OA)	8270 (Semi-VOA)	Coliform (Present/Absent)				
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX/	TPH:80	8081 P	EDB (A	PAHS L	N. Co.	8260 (VOA)	8270 (\$	Total C				
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12/14	7140	1	wowant) - With	12/3/24 6:35										د 	700	7	
•	If necessary	, samples su	ibmitted to Hall Environmental may be sub	ocontracted to other a	ccredited laboratori	es This serves as notice of this	s possi	bility	Any sı	ub-contra	cted da	ta will t	e clear	rly nota	ated on	the ana	alytical re	port.	

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Page 112 of 136

Login Sample Receipt Checklist

Client: Ensolum Job Number: 885-16138-1

Login Number: 16138 List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Kyle Summers
Ensolum
606 S Rio Grande
Suite A
Aztec, New Mexico 87410
Generated 1/28/2025 10:18:37 AM

JOB DESCRIPTION

Turner Hughes #21 MV

JOB NUMBER

885-18768-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated 1/28/2025 10:18:37 AM

Authorized for release by John Caldwell, Project Manager john.caldwell@et.eurofinsus.com (505)345-3975

Client: Ensolum Laboratory Job ID: 885-18768-1

Project/Site: Turner Hughes #21 MV

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Certification Summary	12
Chain of Custody	13
Receipt Checklists	14

Definitions/Glossary

Client: Ensolum Job ID: 885-18768-1

Project/Site: Turner Hughes #21 MV

Minimum Level (Dioxin) Most Probable Number

Method Quantitation Limit

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Not Detected at the reporting limit (or MDL or EDL if shown)

Not Calculated

Negative / Absent

Positive / Present

Presumptive Quality Control

Glossary

ML

NC

ND

NEG

POS

PQL

PRES

QC RER

RL

RPD

TEF

TEQ

TNTC

MPN MQL

Abbreviation	These commonly used abbreviations may or may not be present in this report.
\tilde{\pi}	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

Eurofins Albuquerque

Case Narrative

Client: Ensolum Job ID: 885-18768-1

Project: Turner Hughes #21 MV

Job ID: 885-18768-1 Eurofins Albuquerque

Job Narrative 885-18768-1

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

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

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

Receipt

The sample was received on 1/23/2025 7:15 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°C.

Gasoline Range Organics

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

GC VOA

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

Diesel Range Organics

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

HPLC/IC

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

Eurofins Albuquerque

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Client Sample Results

Client: Ensolum Job ID: 885-18768-1

Project/Site: Turner Hughes #21 MV

Lab Sample ID: 885-18768-1 **Client Sample ID: BF-1**

Date Collected: 01/22/25 09:00 Matrix: Solid

Date Received: 01/23/25 07:15

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		4.9	mg/Kg		01/23/25 09:35	01/24/25 13:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		35 - 166			01/23/25 09:35	01/24/25 13:23	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		01/23/25 09:35	01/24/25 13:23	1
Ethylbenzene	ND		0.049	mg/Kg		01/23/25 09:35	01/24/25 13:23	1
Toluene	ND		0.049	mg/Kg		01/23/25 09:35	01/24/25 13:23	1
Xylenes, Total	ND		0.098	mg/Kg		01/23/25 09:35	01/24/25 13:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		48 - 145			01/23/25 09:35	01/24/25 13:23	1
Method: SW846 8015M/D - Diese	Range Organ	ics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		01/23/25 10:00	01/23/25 15:25	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		01/23/25 10:00	01/23/25 15:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	105		62 - 134			01/23/25 10:00	01/23/25 15:25	1

Method: EPA 300.0 - Anions, Ion Cl	hromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130	60	mg/Kg		01/24/25 07:35	01/24/25 09:57	20

Eurofins Albuquerque

Job ID: 885-18768-1

Project/Site: Turner Hughes #21 MV

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-19727/1-A

Matrix: Solid

Client: Ensolum

Analysis Batch: 19810

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

Prep Batch: 19727

Prep Batch: 19727

Client Sample ID: BF-1

Analyte Result Qualifier RLUnit D Prepared Analyzed Dil Fac GRO (C6-C10) ND 5.0 mg/Kg 01/23/25 09:35 01/24/25 13:01

MB MB

MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 91 35 - 166 01/23/25 09:35 01/24/25 13:01

Lab Sample ID: LCS 885-19727/2-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 19810

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits GRO (C6-C10) 25.0 19.7 mg/Kg 79 70 - 130

LCS LCS Qualifier Surrogate %Recovery Limits

4-Bromofluorobenzene (Surr) 183 35 - 166

Lab Sample ID: 885-18768-1 MS

Matrix: Solid Prep Type: Total/NA Analysis Batch: 19810 Prep Batch: 19727 Spike MS MS %Rec Sample Sample

Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits GRO (C6-C10) ND 24.6 95 70 - 130 23.2 mg/Kg

> MS MS

Surrogate %Recovery Qualifier Limits

4-Bromofluorobenzene (Surr) 204 35 - 166

Lab Sample ID: 885-18768-1 MSD

Matrix: Solid

Analysis Batch: 19810

MSD MSD Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD GRO (C6-C10) 85 70 - 130 ND 24.7 20.9 mg/Kg

MSD MSD

%Recovery Qualifier Surrogate Limits 4-Bromofluorobenzene (Surr) 188 35 - 166

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-19727/1-A Matrix: Solid

Released to Imaging: 6/24/2025 2:59:03 PM

Analysis Batch: 19811

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 19727

MB MB Analyte Result Qualifier RΙ Unit D Prepared Dil Fac Analyzed 0.025 01/23/25 09:35 Benzene ND mg/Kg 01/24/25 13:01 ND 0.050 01/23/25 09:35 01/24/25 13:01 Ethylbenzene mg/Kg ND 0.050 01/23/25 09:35 01/24/25 13:01 Toluene mg/Kg 01/23/25 09:35 01/24/25 13:01 Xylenes, Total ND 0.10 mg/Kg

Eurofins Albuquerque

Client Sample ID: BF-1 Prep Type: Total/NA Prep Batch: 19727

RPD

Client: Ensolum

Job ID: 885-18768-1

Project/Site: Turner Hughes #21 MV

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

Lab Sample ID: MB 885-19727/1-A **Matrix: Solid**

Analysis Batch: 19811

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19727

MB MB

%Recovery Qualifier Surrogate Limits Prepared Analyzed Dil Fac 01/23/25 09:35 4-Bromofluorobenzene (Surr) 94 48 - 145 01/24/25 13:01

Lab Sample ID: LCS 885-19727/3-A

Matrix: Solid Analysis Batch: 19811

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19727

		Spike	LCS	LCS				%Rec	
	Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
	Benzene	1.00	0.937		mg/Kg		94	70 - 130	
	Ethylbenzene	1.00	0.958		mg/Kg		96	70 - 130	
	Toluene	1.00	0.933		mg/Kg		93	70 - 130	
ĺ	Xylenes, Total	3.00	2.82		mg/Kg		94	70 - 130	

LCS LCS

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 98 48 - 145

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-19717/1-A

Lab Sample ID: LCS 885-19717/2-A

Matrix: Solid

Analysis Batch: 19714

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19717

	MB	MR							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		01/23/25 08:19	01/23/25 09:55	1	
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		01/23/25 08:19	01/23/25 09:55	1	
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	

Surrogate %Recovery Qualifier Limits Di-n-octyl phthalate (Surr) 93 62 - 134

Client Sample ID: Lab Control Sample

01/23/25 09:55

Prep Type: Total/NA

01/23/25 08:19

Prep Batch: 19717

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit Limits Diesel Range Organics 50.0 49.3 60 - 135 mg/Kg

[C10-C28]

Matrix: Solid

Analysis Batch: 19714

LCS LCS

%Recovery Qualifier Surrogate Limits Di-n-octyl phthalate (Surr) 88 62 - 134

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-19786/1-A

Matrix: Solid

Analysis Batch: 19784

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

Prep Batch: 19786

MB MB Analyte Result Qualifier Unit Prepared Analyzed Chloride ND 1.5 mg/Kg 01/24/25 07:35 01/24/25 08:19

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QC Sample Results

Client: Ensolum Job ID: 885-18768-1

Project/Site: Turner Hughes #21 MV

Analyte

Chloride

Unit

mg/L

D

%Rec

110

50 - 150

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-19786/3-A					Client	Sample	ID: Lab Co	ontrol Sample
Matrix: Solid							Prep T	ype: Total/NA
Analysis Batch: 19784							Prep	Batch: 19786
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	15.0	15.2		mg/Kg		101	90 - 110	

Lab Sample ID: MRL 885-19786/2-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA Analysis Batch: 19784 Prep Batch: 19786 Spike MRL MRL %Rec Added Result Qualifier Limits

1.65

1.50

QC Association Summary

Client: Ensolum Job ID: 885-18768-1

Project/Site: Turner Hughes #21 MV

GC VOA

Prep Batch: 19727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-18768-1	BF-1	Total/NA	Solid	5030C	
MB 885-19727/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-19727/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-19727/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-18768-1 MS	BF-1	Total/NA	Solid	5030C	
885-18768-1 MSD	BF-1	Total/NA	Solid	5030C	

Analysis Batch: 19810

Lab Sample ID 885-18768-1	Client Sample ID BF-1	Prep Type Total/NA	Matrix Solid	Method 8015M/D	Prep Batch 19727
MB 885-19727/1-A	Method Blank	Total/NA	Solid	8015M/D	19727
LCS 885-19727/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	19727
885-18768-1 MS	BF-1	Total/NA	Solid	8015M/D	19727
885-18768-1 MSD	BF-1	Total/NA	Solid	8015M/D	19727

Analysis Batch: 19811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-18768-1	BF-1	Total/NA	Solid	8021B	19727
MB 885-19727/1-A	Method Blank	Total/NA	Solid	8021B	19727
LCS 885-19727/3-A	Lab Control Sample	Total/NA	Solid	8021B	19727

GC Semi VOA

Analysis Batch: 19714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-18768-1	BF-1	Total/NA	Solid	8015M/D	19717
MB 885-19717/1-A	Method Blank	Total/NA	Solid	8015M/D	19717
LCS 885-19717/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	19717

Prep Batch: 19717

Lab Sample ID 885-18768-1	Client Sample ID BF-1	Prep Type Total/NA	Matrix Solid	Method SHAKE	Prep Batch
MB 885-19717/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-19717/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

HPLC/IC

Analysis Batch: 19784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-18768-1	BF-1	Total/NA	Solid	300.0	19786
MB 885-19786/1-A	Method Blank	Total/NA	Solid	300.0	19786
LCS 885-19786/3-A	Lab Control Sample	Total/NA	Solid	300.0	19786
MRL 885-19786/2-A	Lab Control Sample	Total/NA	Solid	300.0	19786

Prep Batch: 19786

Lab Sa	ample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-18	3768-1	BF-1	Total/NA	Solid	300_Prep	
MB 88	5-19786/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 8	85-19786/3-A	Lab Control Sample	Total/NA	Solid	300_Prep	
MRL 8	85-19786/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

Lab Chronicle

Client: Ensolum Job ID: 885-18768-1

Project/Site: Turner Hughes #21 MV

Client Sample ID: BF-1 Lab Sample ID: 885-18768-1 Date Collected: 01/22/25 09:00

Matrix: Solid

Date Received: 01/23/25 07:15

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			19727	JP	EET ALB	01/23/25 09:35
Total/NA	Analysis	8015M/D		1	19810	JP	EET ALB	01/24/25 13:23
Total/NA	Prep	5030C			19727	JP	EET ALB	01/23/25 09:35
Total/NA	Analysis	8021B		1	19811	JP	EET ALB	01/24/25 13:23
Total/NA	Prep	SHAKE			19717	EM	EET ALB	01/23/25 10:00
Total/NA	Analysis	8015M/D		1	19714	EM	EET ALB	01/23/25 15:25
Total/NA	Prep	300_Prep			19786	RC	EET ALB	01/24/25 07:35
Total/NA	Analysis	300.0		20	19784	RC	EET ALB	01/24/25 09:57

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ensolum Job ID: 885-18768-1

Project/Site: Turner Hughes #21 MV

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-25-25

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	NEL.		☐ Other	-	On Ice:		□ No mão		1	잃	es/{	20	o				OA	(P)					
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	S - 1 -	 :	.	Compale Name	Container	Preservative	HEAL No.		BTEX	꿅	94	EDB (Method 504.1)	₽HS	RCRA 8 Metals	4	8260 (VOA)	8270 (Semi-VOA)	otal					
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O	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report																						

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Login Sample Receipt Checklist

Client: Ensolum Job Number: 885-18768-1

Login Number: 18768 List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

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

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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 451600

QUESTIONS

ı	Operator:	OGRID:
ı	Enterprise Field Services, LLC	241602
ı	PO Box 4324	Action Number:
ı	Houston, TX 77210	451600
ı		Action Type:
ı		[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites						
Incident ID (n#)	nAPP2432348427					
Incident Name	NAPP2432348427 TURNER HUGHES #21 MV @ 0					
Incident Type	Natural Gas Release					
Incident Status	Reclamation Report Received					

Location of Release Source					
Please answer all the questions in this group.					
Site Name	TURNER HUGHES #21 MV				
Date Release Discovered	11/18/2024				
Surface Owner	Federal				

Incident Details						
Please answer all the questions in this group.						
Incident Type	Natural Gas 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	Yes					
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 f	or 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	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Cause: Corrosion Pipeline (Any) Condensate Released: 5 BBL Recovered: 0 BBL Lost: 5 BBL.
Natural Gas Vented (Mcf) Details	Cause: Corrosion Pipeline (Any) Natural Gas Vented Released: 2 MCF Recovered: 0 MCF Lost: 2 MCF.
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)	The release is located in a small wash (not a blue line of a topographic map).

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General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 451600

QUESTIONS	(continued)

Operator: Enterprise Field Services, LLC	OGRID: 241602
PO Box 4324	Action Number:
Houston, TX 77210	451600
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	Yes, according to supplied volumes this will be treated as 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: (2) an unauthorized release of a volume that: (b) may with reasonable probability reach a watercourse.
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 s	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.
	lation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface it does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Thomas Long Title: Sr Field Environmental Scientist Email: tjlong@eprod.com Date: 11/26/2024

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

Phone: (505) 629-6116 Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 3

Action 451600

QUESTIONS (continued)

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	451600
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (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	Zero feet, overlying, or within area	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)	
Any other fresh water well or spring	Between 1 and 5 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Greater than 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	Zero feet, overlying, or within area	
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)	60	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	88	
GRO+DRO (EPA SW-846 Method 8015M)	88	
BTEX (EPA SW-846 Method 8021B or 8260B)	0.1	
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1	
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	11/18/2024	
On what date will (or did) the final sampling or liner inspection occur	01/22/2025	
On what date will (or was) the remediation complete(d)	01/22/2025	
What is the estimated surface area (in square feet) that will be reclaimed	513	
What is the estimated volume (in cubic yards) that will be reclaimed	224	
What is the estimated surface area (in square feet) that will be remediated	513	
What is the estimated volume (in cubic yards) that will be remediated	224	
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 4

Action 451600

QUESTIONS (continued)

ı	Operator:	OGRID:
ı	Enterprise Field Services, LLC	241602
ı	PO Box 4324	Action Number:
ı	Houston, TX 77210	451600
ı		Action Type:
ı		[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	ENVIROTECH LANDFARM #1 [fEEM0112334691]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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.

Name: Thomas Long
Title: Sr Field Environmental Scientist
Email: tjlong@eprod.com
Date: 04/14/2025

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 451600

QUESTIONS (continued)

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	451600
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 451600

QUESTIONS (continued)

OGRID:
241602
Action Number:
451600
Action Type:
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	421740
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/22/2025
What was the (estimated) number of samples that were to be gathered	1
What was the sampling surface area in square feet	200

Remediation Closure Request	
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	513
What was the total volume (cubic yards) remediated	224
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	513
What was the total volume (in cubic yards) reclaimed	224
Summarize any additional remediation activities not included by answers (above)	None

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: Thomas Long
Title: Sr Field Environmental Scientist
Email: tjlong@eprod.com
Date: 04/14/2025

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QUESTIONS, Page 7

Action 451600

QUESTIONS (continued)

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324 Houston, TX 77210	Action Number: 451600
Housion, 1X 77210	
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)
QUESTIONS	
Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	513
What was the total volume of replacement material (in cubic yards) for this site	224
	If four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 over must include a top layer, which is either the background thickness of topsoil or one foot of suitable material
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	07/01/2025
Summarize any additional reclamation activities not included by answers (above)	None
	L reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form at field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13
to report and/or file certain release notifications and perform corrective actions for release the OCD does not relieve the operator of liability should their operations have failed to water, human health or the environment. In addition, OCD acceptance of a C-141 report	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or itally restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed ing notification to the OCD when reclamation and re-vegetation are complete.
Lhereby agree and sign off to the above statement	Name: Thomas Long Title: Sr Field Environmental Scientist

Email: tjlong@eprod.com Date: 04/14/2025

I hereby agree and sign off to the above statement

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QUESTIONS, Page 8

Action 451600

QUESTIONS (continued)

Operator:	OGRID:
Enterprise Field Services, LLC	241602
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Houston, TX 77210	451600
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.	
Requesting a restoration complete approval with this submission	No
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.	

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CONDITIONS

Action 451600

CONDITIONS

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	451600
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By		Condition Date
nvelez	None	6/24/2025