

April 17, 2025

New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Re: Closure Request Addendum

Nash Unit #012

Incident Number NAB1722948770

Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared this *Closure Request Addendum* to present additional remediation activities completed at the Nash Unit #012 (Site), in response to the denial of the original *Closure Request*, submitted to the New Mexico Oil Conservation Division (NMOCD) on February 8, 2019. In the denial, NMOCD requested the collection of additional delineation samples. Based on soil sampling activities described below, XTO is submitting this *Closure Request Addendum* and requesting no further action for Incident Number NAB1722948770.

SITE DESCRIPTION AND RELEASE SUMMARY

The release was reported at the incorrect location, the wellhead of the associated polyline, but following a review of initial release records, internal documents, and personnel communications, it was confirmed the release is located along a lease road to the north of the Site. The release is located in Unit I, Section 12, Township 23 South, Range 29 East, in Eddy County, New Mexico (32.319367°, -103.931736°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On July 29, 2017, a polyline ruptured, resulting in the release of approximately 22 barrels (bbls) of produced water and 4 bbls of crude oil. A vacuum truck was dispatched to the Site to recover free standing fluids; approximately 3 bbls of produced water and 0.5 bbls of crude oil were recovered. XTO reported the release to the NMOCD via email on July 29, 2017 and submitted a Form C-141 Application (C-141) on August 11, 2017. The release was assigned Incident Number NAB1722948770.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized for applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization are summarized below.

Depth to groundwater at the Site is estimated to be less than 50 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C-04594 POD 3, located approximately 0.6 miles south of the Site. The groundwater well has a reported depth to groundwater of 27 feet bgs

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Parks Highway | Carlsbad, NM 88220 | ensolum.com

XTO Energy, Inc Nash Unit #012 Closure Request Addendum

and a total depth of 38 feet bgs. All wells used for depth to groundwater determination are presented on Figure 1 and the associated well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a stream, located approximately 230 feet west of the Site. The Site is less than 200 feet from a playa lake, a salt lake. The Site is greater than 200 feet from a lakebed or sinkhole and greater than 300 feet from an occupied residence, school, hospital, institution, church. The Site is less than 300 feet from a wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is underlain by unstable geology (high potential karst designation area). Potential Site receptors are identified in Figure 1.

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

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

BACKGROUND

Between July 31, 2017 and February 6, 2019, Basin Environmental Service Technologies (Basin) and another consultant conducted Site assessment, delineation, and Micro-Blaze® application activities in response to the release. XTO submitted a *Closure Request* on February 8, 2019, requesting no further action (NFA) following Micro-Blaze® and soil sampling activities. All previously completed remedial activities can be found in the original *Closure Request* included as an appendix in this report. On June 14, 2023, NMOCD denied the *Closure Request* via email correspondence (Appendix B) for Incident Number NAB1722948770 for the following reason:

Due to the high naturally occurring chloride concentrations, the OCD is requesting that further soil samples be collected and analyzed for BTEX, TPH, and chlorides to determine the effectiveness of the in-situ remediation micro-blaze application. Samples will need to be collected from the original 17 sampling points at the surface, 1 foot below ground surface (bgs), and 2 feet bgs.

DELINEATION SOIL SAMPLING ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

On July 14, 2023, Ensolum personnel returned to the Site to collect additional delineation samples within the release extent. Seventeen boreholes (BH01 through BH17) were advanced via hand auger at the respective locations of previously collected soil samples SP1 through SP17 to a maximum depth of 2 feet bgs. Three discrete soil samples were collected from each borehole at depths of 0.5 feet, 1-foot, and 2 feet bgs. Field observations for each borehole were documented on a lithologic soil sampling log and are included as Appendix C. The soil sample locations are depicted on Figure 2. Photographic documentation of the delineation sampling activities is included in Appendix D.

The soil samples were placed into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and placed on ice. The soil samples were transported under strict chain-of-custody procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of the following chemicals of concern (COCs): BTEX following United States Environmental Protection Agency

XTO Energy, Inc. Nash Unit #012 Closure Request Addendum

(EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

Laboratory analytical results for all soil samples collected from BH01 through BH17 indicated BTEX and TPH concentrations were in compliance with the Closure Criteria. Chloride concentrations were elevated as a result of naturally occurring conditions associated with the adjacent salt lake. The laboratory analytical results are summarized on Table 1 and the complete laboratory analytical reports are included in Appendix D.

CLOSURE REQUEST

Soil sampling activities were conducted at the Site to address the July 29, 2017, crude oil and produced water release. Laboratory analytical results for soil samples collected within the release extent, from depths ranging from 0.5 feet to 2 feet bgs, indicated that BTEX and TPH concentrations were compliant with the Site Closure Criteria, successfully confirming the effectiveness of the in-situ remediation microblaze application. As discussed in the Closure Request (Appendix F), chloride concentrations are elevated as a result of naturally occurring conditions associated with the adjacent playa lake. Chloride concentrations reported from the July 14, 2023, sampling event were consistent with naturally occurring chloride levels observed in background samples collected outside of the release footprint in February 2019 (Appendix F).

XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number NAB1722948770.

If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or tmorrissey@ensolum.com.

Sincerely,

Ensolum, LLC

Hadlie Green **Project Geologist** Ashley L. Ager, M.S., P.G.

Kaylan Dirkx, XTO Colton Brown, XTO

BLM

Appendices:

CC:

Figure 1 Site Receptor Map

Figure 2 **Delineation Soil Sample Locations** Table 1 Soil Sample Analytical Results

Appendix A Referenced Well Records Appendix B NMOCD Correspondence Appendix C Lithologic Soil Sampling Logs

Appendix D Photographic Log

Appendix E Laboratory Analytical Reports & Chain-of-Custody Documentation



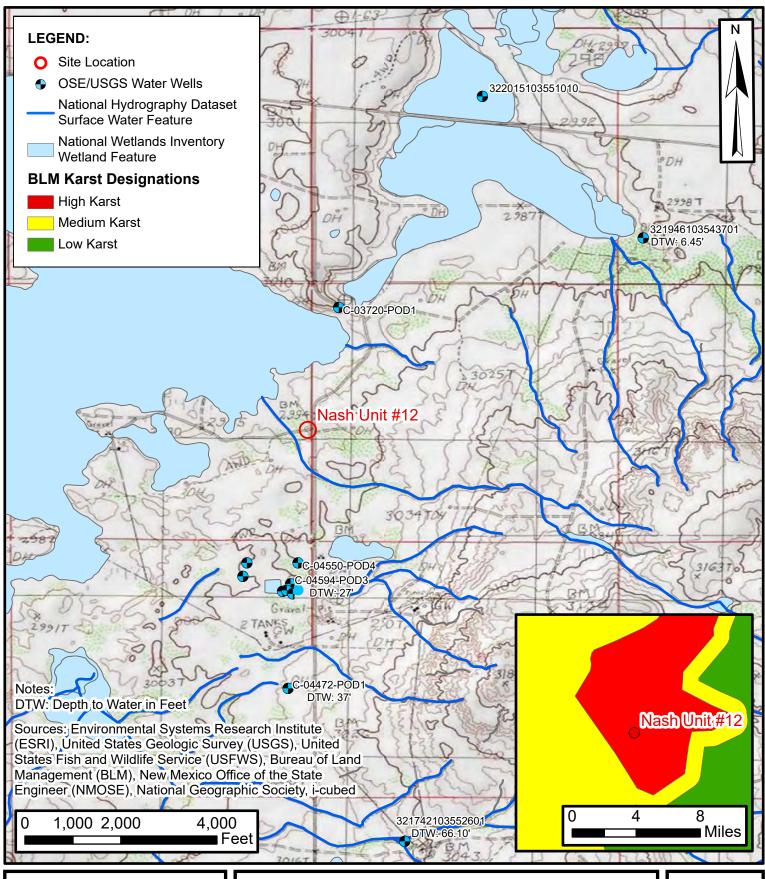
XTO Energy, Inc Nash Unit #012 Closure Request Addendum

Appendix F Closure Request, February 8, 2019





FIGURES



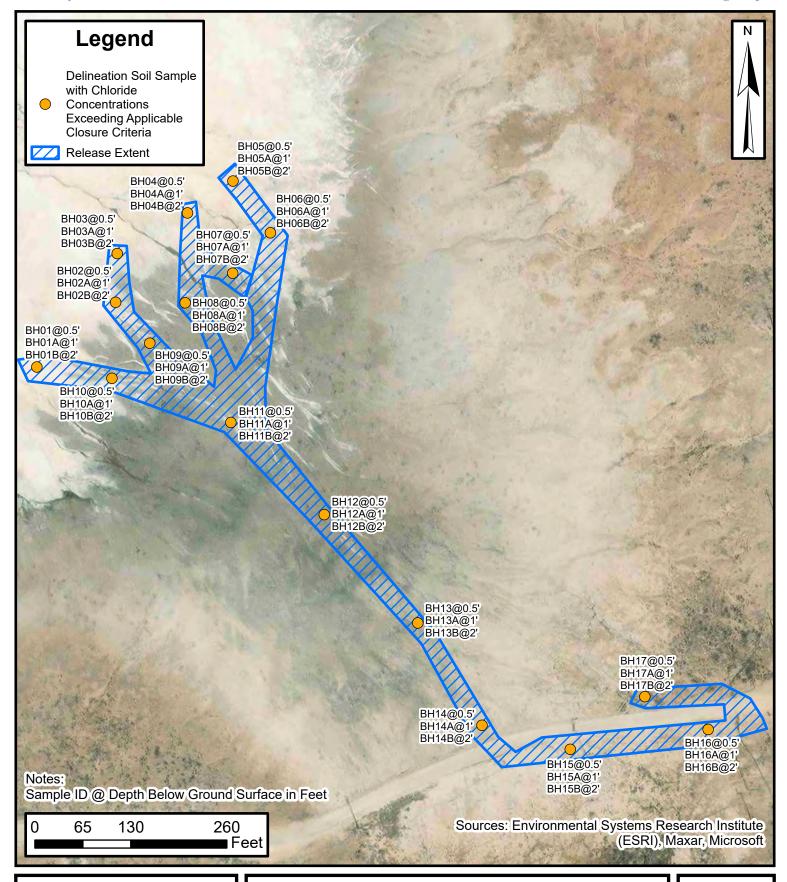


Site Location Map

Nash Unit #012 XTO Energy, Inc.

Incident Number: NAB1722948770 Unit I, Sec 12, T23S, R29E Eddy County, New Mexico FIGURE

1





Delineation Soil Sample Locations

Nash Unit #012 XTO Energy, Inc.

Incident Number: NAB1722948770 Unit I, Sec 12, T23S, R29E Eddy County, New Mexico FIGURE

2



TABLES



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Nash Unit #012 XTO Energy, Inc. Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 C	losure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
				Deli	neation Soil Sa	mples				
BH01	07/14/2023	0.5	<0.00199	<0.00398	<49.9	73.4	<49.9	73.4	73.4	43,900
BH01A	07/14/2023	1	<0.00202	<0.00404	<49.6	<49.6	<49.6	<49.6	<49.6	39,200
BH01B	07/14/2023	2	<0.00201	<0.00402	<49.5	<49.5	<49.5	<49.5	<49.5	38,400
BH02	07/14/2023	0.5	<0.00200	<0.00399	<50.2	<50.2	<50.2	<50.2	<50.2	48,400
BH02A	07/14/2023	1	<0.00198	<0.00396	<50.5	<50.5	<50.5	<50.5	<50.5	49,600
BH02B	07/14/2023	2	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	56,200
BH03	07/14/2023	0.5	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	<49.8	43,300
BH03A	07/14/2023	1	<0.00200	<0.00399	<50.2	<50.2	<50.2	<50.2	<50.2	50,100
BH03B	07/14/2023	2	<0.00201	<0.00402	<50.4	<50.4	<50.4	<50.4	<50.4	48,400
BH04	07/14/2023	0.5	<0.00200	<0.00401	<50.3	<50.3	<50.3	<50.3	<50.3	41,800
BH04A	07/14/2023	1	<0.00198	<0.00397	<50.2	<50.2	<50.2	<50.2	<50.2	41,600
BH04B	07/14/2023	2	<0.00200	<0.00399	<50.5	<50.5	<50.5	<50.5	<50.5	40,000
BH05	07/14/2023	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	42,500
BH05A	07/14/2023	1	<0.00200	<0.00400	<49.6	<49.6	<49.6	<49.6	<49.6	43,200
BH05B	07/14/2023	2	<0.00198	<0.00396	<49.5	<49.5	<49.5	<49.5	<49.5	43,100
BH06	07/14/2023	0.5	<0.00201	<0.00402	<50.4	<50.4	<50.4	<50.4	<50.4	40,700
BH06A	07/14/2023	1	<0.00202	<0.00404	<50.2	<50.2	<50.2	<50.2	<50.2	47,800
BH06B	07/14/2023	2	<0.00202	<0.00403	<50.4	<50.4	<50.4	<50.4	<50.4	48,900
BH07	07/14/2023	0.5	<0.00199	<0.00398	<49.9	53.6	<49.9	53.6	53.6	58,600
BH07A	07/14/2023	1	< 0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	49,500
ВН07В	07/14/2023	2	< 0.00199	<0.00398	<50.3	<50.3	<50.3	<50.3	<50.3	40,600
BH08	07/14/2023	0.5	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	<49.6	49,800
BH08A	07/14/2023	1	<0.00200	<0.00401	<50.5	<50.5	<50.5	<50.5	<50.5	54,600
BH08B	07/14/2023	2	<0.00200	<0.00399	<50.2	<50.2	<50.2	<50.2	<50.2	50,400
BH09	07/14/2023	0.5	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	34,500
BH09A	07/14/2023	1	<0.00198	<0.00396	<49.8	51.4	<49.8	51.4	51.4	46,700
BH09B	07/14/2023	2	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	<49.6	43,900
BH10	07/14/2023	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	46,700
BH10A	07/14/2023	1	<0.00200	<0.00400	<50.3	<50.3	<50.3	<50.3	<50.3	36,600
BH10B	07/14/2023	2	< 0.00199	<0.00398	<50.4	<50.4	<50.4	<50.4	<50.4	34,000

Ensolum
Released to Imaging: 5/15/2025 1:31:42 PM



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Nash Unit #012 XTO Energy, Inc. Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 C	losure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
BH11	07/14/2023	0.5	<0.00200	<0.00401	<50.1	<50.1	<50.1	<50.1	<50.1	29,000
BH11A	07/14/2023	1	<0.00202	<0.00404	<50.1	<50.1	<50.1	<50.1	<50.1	32,200
BH11B	07/14/2023	2	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	<49.8	29,700
BH12	07/14/2023	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	25,700
BH12A	07/14/2023	1	<0.00198	<0.00397	<49.7	<49.7	<49.7	<49.7	<49.7	31,700
BH12B	07/14/2023	2	<0.00200	<0.00399	<50.3	<50.3	<50.3	<50.3	<50.3	27,600
BH13	07/14/2023	0.5	<0.00202	<0.00404	<50.5	<50.5	<50.5	<50.5	<50.5	19,400
BH13A	07/14/2023	1	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	20,000
BH13B	07/14/2023	2	<0.00198	<0.00397	<50.4	<50.4	<50.4	<50.4	<50.4	23,200
BH14	07/14/2023	0.5	<0.00202	<0.00403	<49.7	<49.7	<49.7	<49.7	<49.7	26,200
BH14A	07/14/2023	1	<0.00201	<0.00402	<50.2	<50.2	<50.2	<50.2	<50.2	32,100
BH14B	07/14/2023	2	<0.00200	<0.00401	<50.5	<50.5	<50.5	<50.5	<50.5	23,600
BH15	07/14/2023	0.5	<0.00199	<0.00398	<50.5	<50.5	<50.5	<50.5	<50.5	12,900
BH15A	07/14/2023	1	<0.00200	<0.00400	<49.6	<49.6	<49.6	<49.6	<49.6	13,800
BH15B	07/14/2023	2	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	17,200
BH16	07/14/2023	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	18,400
BH16A	07/14/2023	1	<0.00200	<0.00401	<50.5	<50.5	<50.5	<50.5	<50.5	17,500
BH16B	07/14/2023	2	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	<49.9	10,600
BH17	07/14/2023	0.5	<0.00202	<0.00403	<50.3	<50.3	<50.3	<50.3	<50.3	13,500
BH17A	07/14/2023	1	<0.00200	<0.00400	<49.7	<49.7	<49.7	<49.7	<49.7	13,700
BH17B	07/14/2023	2	<0.00198	<0.00396	<50.2	<50.2	<50.2	<50.2	<50.2	10,600

Notes:

bgs: below ground surface mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Adminsitrative Code

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria.

GRO: Gasoline Range Organics
DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon



APPENDIX A

Referenced Well Records

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	х	Υ	Мар
NA	C 04594 POD3	SE	NE	NE	13	235	29E	600645.3	3575280.2	•

^{*} UTM location was derived from PLSS - see Help

Driller License:	1249	Driller Company:	ATKINS ENGINEERING ASSOC. INC.		
Driller Name:	ATKINS, JACK	IE D.UELENER			
Drill Start Date:	2022-02-21	Drill Finish Date:	2022-02-21	Plug Date:	2023-04-19
Log File Date:	2022-03-30	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	0
Casing Size:	2.07	Depth Well:	38	Depth Water:	27

Water Bearing Stratifications:

Тор	Bottom	Description
7	37	Other/Unknown

Casing Perforations:

Тор	Bottom
28	38

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.

1/15/25 12:46 PM MST Point of Diversion Summary

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APPENDIX B

NMOCD Correspondence

From: <u>Tacoma Morrissey</u>
To: <u>Ben Belill</u>

Subject: Fwd: [EXTERNAL] RE: The Oil Conservation Division (OCD) has rejected the application, Application ID: 195552

Date: Thursday, July 6, 2023 1:34:13 PM

Tacoma Morrissey

Senior Geologist 337-257-8307 **Ensolum, LLC**

From: Green, Garrett J <garrett.green@exxonmobil.com>

Sent: Wednesday, June 14, 2023 4:48:18 PM

To: Tacoma Morrissey <tmorrissey@ensolum.com>; Ben Belill <bbelill@ensolum.com>; Ashley Ager <aager@ensolum.com>

Cc: Pennington, Shelby G <shelby.g.pennington@exxonmobil.com>

Subject: FW: [EXTERNAL] RE: The Oil Conservation Division (OCD) has rejected the application,

Application ID: 195552

[**EXTERNAL EMAIL**]

From: Hall, Brittany, EMNRD < Brittany. Hall@emnrd.nm.gov>

Sent: Wednesday, June 14, 2023 3:38 PM

To: Green, Garrett J <garrett.green@exxonmobil.com>

Cc: Pennington, Shelby G <shelby.g.pennington@exxonmobil.com>; DelawareSpills /SM <DelawareSpills@exxonmobil.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>

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

Application ID: 195552

External Email - Think Before You Click

Mr. Green,

The approval for incident #nAB1722948770 was an error made during the processing of historic duplicate applications. The application ID #199258 for the approval has been returned to "Under OCD Review" and subsequently rejected.

Pursuant to 19.15.29.16 B. operators with ongoing corrective actions/remediation without approved timelines or plans as of August 14, 2018 must submit a characterization plan or corrective action/remediation plan with proposed timeframes within 90 days of August 14, 2018. As no remediation plan was found to be submitted and approved prior to the rule change or within the

transitional timeline, the current rules will apply to this release.

Due to the high naturally occurring chloride concentrations, the OCD is requesting that further soil samples be collected and analyzed for BTEX, TPH, and chlorides to determine the effectiveness of the in-situ remediation micro-blaze application. Samples will need to be collected from the original 17 sampling points at the surface, 1 foot below ground surface (bgs), and 2 feet bgs.

If there are any TPH and/or BTEX concentrations above the most stringent closure criteria, further delineation will need to be performed. Once delineation is completed a remediation plan will need to be submitted to the OCD through the OCD Permitting website. Approval of the plan must be granted prior to implementation.

XTO can submitted a written variance request for the revegetation requirement of 19.15.29.13 NMAC and the remediation closure standard for the chloride concentrations. All variance requests will need to comply with the requirements of 19.15.29.14 NMAC.

Do not hesitate to reach out if you have any questions or require any additional information.

Thank you,

Brittany Hall • Environmental Specialist Environmental Bureau Projects Group EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87110 505.517.5333 | Brittany.Hall@emnrd.nm.gov http://www.emnrd.nm.gov/ocd/

From: Green, Garrett J <<u>garrett.green@exxonmobil.com</u>>

Sent: Friday, June 9, 2023 2:19 PM

To: Hall, Brittany, EMNRD < Brittany, EMNRD Brittany, EMNRD

<mike.bratcher@emnrd.nm.gov>

Cc: Pennington, Shelby G <<u>shelby.g.pennington@exxonmobil.com</u>>; DelawareSpills /SM

<<u>DelawareSpills@exxonmobil.com</u>>

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

Application ID: 195552

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

Ms. Hall,

We understand no approved remediation plan was in place for this Site when the remediation was completed between July 2017 and September 2017. The spill response activities were conducted prior to publication of the transitional provisions of 19.15.29 NMAC. Submittal and approval of corrective action plans was not a regular industry or regulatory practice prior to publication of Part 29. In addition, NMOCD has granted approval for the closure of this Incident (nAB1722948770) via

email on March 21, 2023. Please see the attached approval email. In light of standard practice at the time the work was conducted, the regulatory changes that occurred between the time the work was completed and review by NMOCD, and contradictory conclusions drawn by NMOCD staff demonstrating different approaches to this site, can you please reconsider your response and grant approval of the original Closure Request?

Thank you,

Garrett Green

Environmental Coordinator
Delaware Business Unit
(575) 200-0729
Garrett.Green@ExxonMobil.com

XTO Energy, Inc.

3104 E. Greene Street | Carlsbad, NM 88220 | M: (575)200-0729

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

Sent: Thursday, March 9, 2023 3:58 PM

To: Green, Garrett J <<u>garrett.green@exxonmobil.com</u>>

Subject: The Oil Conservation Division (OCD) has rejected the application, Application ID: 195552

External Email - Think Before You Click

To whom it may concern (c/o Garrett Green for XTO ENERGY, INC),

The OCD has rejected the submitted *Internal Manual Incident File Supporting Documentation* (ENV) (IM-BNF), for incident ID (n#) nAB1722948770, for the following reasons:

• No approved corrective action plan for the release could be found. Per 19.15.29.11 (effective 12/1/2018) "CORRECTIVE ACTION: The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC". Under 19.15.29.16 19.15.29.16 (effective 8/14/2018) "TRANSITIONAL PROVISIONS: A. Responsible parties with current ongoing corrective actions/remediation with approved plans and timelines as of August 14, 2018 do not have to submit revised plans. B. Responsible parties with ongoing corrective actions/remediation without approved timelines or plans as of August 14, 2018 must submit a characterization plan or corrective action/remediation plan with proposed

- timeframes within 90 days of August 14, 2018."
- NMOCD's Guidelines for Spill, Leaks, and Releases, dated 1993, has closure standards that
 are based on depth to groundwater, if the site is in a wellhead protection area, and
 distance to surface water body. None of these were determined in the report. Based on a
 brief evaluation of these ranking criteria the ranking score for this site would have been
 >19 which would make the RRALs in 2017. TPH remediation action levels would have been
 100 mg/kg as opposed to 5,000 mg/kg as stated in the report.
- If an approved corrective action plan can be found it is highly recommended that it is attached to the closure report. If no approved corrective action plan can be found, this release will need to be closed under the current rules.
- 2RP-4347 closed. Refer to incident #NAB1722948770 in all future communication.
- Submit a complete report though the OCD Permitting website by 6/9/2023.

The rejected IM-BNF can be found in the OCD Online: Permitting - Action Status, under the Application ID: 195552.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional IM-BNF.

Thank you,
Brittany Hall
Projects Environmental Specialist - A
505-517-5333
Brittany.Hall@emnrd.nm.gov

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



APPENDIX C

Lithologic Soil Sampling Logs

									Cample Name: BU01	Data: 7/14/2022	
7	-7								Sample Name: BH01	Date: 7/14/2023	
			E	N	S	OI	L U	M	Site Name: Nash Unit 12 Incident Number: NAB17229487	70	
				_			_				
					. /				Job Number: 03C1558259	T	
						SAMPLING	LOG		Logged By: Meredith Roberts	Method: Hand Auger	
	Coordinates: 32.319947, -103.932964 Comments: Field screenings not conducted								Hole Diameter: 3"	Total Depth: 2'	
Comm	ents: I	Fiel	d screen	nings r	not conduc	ted					
Moisture Content	Chloride	(ppm)	Vapor (ppm)	Vapor (ppm) Staining Samble Debth (tt pgs) OSCS/Rock Symbol				USCS/Rock Symbol	Lithologic De	escriptions	
						1	0				
Wet					BH01	0.5	_		Dark brown clavev. siltv sand		
Wet					BH01A	1	1		Dark brown clavev. siltv sand		
Wet					BH01B	2	_ 2		Dark brown clavev. siltv sand		
						- - -	- _ 3 -				
						- - -	- - 4				
						- - -	- - 5 -				
						- - -	- _ 6				
						- - -	- - 7 -				
						- - -	- _ 8 -				
						- - -	- _ 9 -				
						- - -	10				
						- - -	11 -				
						-	- 12				

									Sample Name: BH02	Date: 7/14/2023	
7	7								Site Name: Nach Unit 12	Date: 7/14/2023	
			E	N	S	OI	_ U	M	Site Name: Nash Unit 12 Incident Number: NAB17229487	70	
				_			_				
				0.51	. /				Job Number: 03C1558259	1	
						SAMPLING	LOG		Logged By: Meredith Roberts	Method: Hand Auger	
	Coordinates: 32.320185, -103.932616 Comments: Field screenings not conducted								Hole Diameter: 3"	Total Depth: 2'	
Comm	ents: F	ielo	d screen	ings r	not conduc	ted					
Moisture Content	Chloride (250)	Vapor (ppm) Staining Staining Obepth (ft bgs) OSCS/Rock Symbol					-	Lithologic De	escriptions		
						1	0				
Wet					BH02	0.5	_		Dark brown clavev. siltv sand		
Wet					BH02A	1	1		Dark brown clavev. siltv sand		
Wet					вно2в	2	2		Dark brown clavev. siltv sand		
						- - -	- _ 3				
						- - -	4				
						-	5 -				
						- - -	6				
						-	7				
							_ 8				
						- - -	9				
						- - -	10				
						- - -	11 				
						-	_ 12				

									Sample Name: BH03	Date: 7/14/2023	
1										Date: 7/14/2023	
			E	N	S	OI	L U	M	Site Name: Nash Unit 12 Incident Number: NAB17229487	70	
				_			_				
		_			. /				Job Number: 03C1558259	T	
						SAMPLING	LOG		Logged By: Meredith Roberts	Method: Hand Auger	
	Coordinates: 32.320366, -103.932606 Comments: Field screenings not conducted								Hole Diameter: 3"	Total Depth: 2'	
Comm	ents:	iel	d screen	nings r	not conduc	ted					
Moisture Content	Chloride	Chloride (ppm) Vapor (ppm) Staining Samble ID Debth (tt pgs) USCS/Rock Symbol					-	Lithologic De	escriptions		
						1	0				
Wet					BH03	0.5	_		Dark brown clavev. siltv sand		
Wet					вноза	1	1		Dark brown clavev. siltv sand		
Wet					внозв	2	2		Dark brown clavev. siltv sand		
						- - -	- _ 3 -				
						- - -	4				
						- - -	- - - 5				
						- - -	- - 6				
						- - -	- - - 7				
						- - -	- _ 8 -				
						- - -	- _ 9				
						-	10				
						- - -	11				
						-	- 12				

									Sample Name: BH04	Date: 7/14/2023
1	_ 7									Date: 7/14/2023
			E	N	S	OI	_ U	M	Site Name: Nash Unit 12 Incident Number: NAB17229487	70
										70
			.=	265	. /				Job Number: 03C1558259	T
						SAMPLING	LOG		Logged By: Meredith Roberts	Method: Hand Auger
	Coordinates: 32.320515, -103.932296								Hole Diameter: 3"	Total Depth: 2'
Comm	omments: Field screenings not conducted									
Moisture Content	Chloride (250)	Vapor (ppm) Staining Staining Staining Obeth (ft bgs) USCS/Rock Symbol					-	Lithologic De	escriptions	
						1	0			
Wet					BH04	0.5	_		Dark brown clavev. siltv sand	
Wet					BH04A	1 _	1		Dark brown clavev. siltv sand	
Wet					вно4в	2	2		Dark brown clavev. siltv sand	
						_ - - -	- - 3			
						- - -	- - 4			
						- - -	- - - 5			
						- - -	- - 6			
						- - -	7			
						- - -	- - 8			
						- - -	- _ 9 -			
						-	10			
						_ _ _	11			
						-	12			

									Sample Name: BH05	Date: 7/14/2023
7										Date: 7/14/2023
			E	N	S	OI	_ U	M	Site Name: Nash Unit 12 Incident Number: NAB17229487	70
				_						70
		_	.=	261	. /				Job Number: 03C1558259	T
						SAMPLING	LOG		Logged By: Meredith Roberts	Method: Hand Auger
	Coordinates: 32.320632, -103.932096 Comments: Field screenings not conducted								Hole Diameter: 3"	Total Depth: 2'
Comm	ents: I	iel	d screen	ings r	not conduc	ted				
Moisture Content	Chloride (250)	Vapor (ppm) Vapor (ppm) Staining Sample ID Debth (tt pgs) USCS/Rock Symbol					-	Lithologic De	escriptions	
						1	0			
Wet					BH05	0.5	_		Dark brown clavev. siltv sand	
Wet					BH05A	1	1		Dark brown clavev. siltv sand	
Wet					вно5в	2	2		Dark brown clavev. siltv sand	
						- - -	- - 3			
						- - -	4			
						- - -	5 5			
						- - -	6 6			
						- - -	7			
						- - -	- _ 8 -			
						- - -	- - 9			
						- - -	10			
						- -	11			
						-	12			

									Sample Name: BH06	Data: 7/14/2022	
1									Site Name: Nach Unit 12	Date: 7/14/2023	
			E	N	S	0 1	_ U	M	Site Name: Nash Unit 12 Incident Number: NAB17229487	70	
				_			_				
			.=	0.51	. /				Job Number: 03C1558259	T	
						SAMPLING	LOG		Logged By: Meredith Roberts	Method: Hand Auger	
	Coordinates: 32.320439, -103.931934 Comments: Field screenings not conducted								Hole Diameter: 3"	Total Depth: 2'	
Comm	ents: F	iel	d screen	ings r	not conduc	ted					
Moisture Content	Chloride (ppm) Vapor (ppm) Samble ID Sample ID Depth (ft bgs) USCS/Rock Symbol					Depth	-	Lithologic De	escriptions		
						1	0				
Wet					BH06	0.5	_		Dark brown clavev. siltv sand		
Wet					вно6А	1	1		Dark brown clavev. siltv sand		
Wet					вно6в	2 2	- _ 2 -		Dark brown clavev. siltv sand		
						- - -	- - 3				
						- - -	4				
						- - -	- - 5 -				
						-	- _ 6 -				
						- - -	- _ 7 -				
						-	8				
						-	9				
						- - -	10				
						- - -	11				
						-	12				

									Sample Name: BH07	Date: 7/14/2023
7									Site Name: Nach Unit 12	Date: 7/14/2023
				N	S	OI	_ U	M	Site Name: Nash Unit 12 Incident Number: NAB17229487	70
				_						/U
				.	. /				Job Number: 03C1558259	1
						SAMPLING	LOG		Logged By: Meredith Roberts	Method: Hand Auger
					3.932101				Hole Diameter: 3"	Total Depth: 2'
Comm	ents: F	ield s	screen	ings r	not conduc	ted				
Moisture Content	Chloride (npm)	Vanor	vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	escriptions
						1	0			
Wet					BH07	0.5	_		Dark brown clavev. siltv sand	
Wet					вно7А	1	1		Dark brown clavev. siltv sand	
Wet					внотв	2	2		Dark brown clavev. siltv sand	
						- - -	- - 3			
						- - -	- - 4 -			
						- -	5			
						- - -	6			
						- - -	7			
						- -	_ 8 -			
						- - -	9			
						- - -	10			
						- - -	11 			
						=	12			

									Commis News - DUO	Data: 7/14/2022
1						-			Sample Name: BH08	Date: 7/14/2023
		E		N	S	OI	_ U	M	Site Name: Nash Unit 12	70
				_			_		Incident Number: NAB17229487	/U
-				<u> </u>	0.100				Job Number: 03C1558259	
						SAMPLING	LOG		Logged By: Meredith Roberts	Method: Hand Auger
					3.932310				Hole Diameter: 3"	Total Depth: 2'
Comm	ents: F	ield s	screeni	ings r	not conduc	ted				
Moisture Content	Chloride (nnm)	Vapor	(mdd)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	escriptions
						1	0			
Wet					BH08	0.5	_		Dark brown clavev. siltv sand	
Wet					BH08A	1	_ 1		Dark brown clavev. siltv sand	
Wet					вновв	2	2		Dark brown clavev. siltv sand	
						- - -	- _ 3 -			
						- - -	- - 4			
						- - -	- - 5 -			
						- -	6			
						- - -	- - - 7			
						- - -	- - 8 -			
						- - -	- - 9 -			
						- - -	10			
						- - -	11			
						-	12			

									Commis News at BUIO	Data: 7/14/2022
7_						-			Sample Name: BH09	Date: 7/14/2023
			E	N	S	OI	_ U	M	Site Name: Nash Unit 12	70
1				_			_		Incident Number: NAB17229487	/U
-			IT C .	00:	0.100				Job Number: 03C1558259	
						SAMPLING	LOG		Logged By: Meredith Roberts	Method: Hand Auger
					3.932468				Hole Diameter: 3"	Total Depth: 2'
Comm	ents: F	ield	screen	ings r	not conduc	ted				
Moisture Content	Chloride	(iiidd)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	escriptions
					21122	1	0			
Wet					BH09	0.5	_		Dark brown clavev. siltv sand	
Wet					вно9а	1	1		Dark brown clavev. siltv sand	
Wet					вноэв	2	2		Dark brown clavev. siltv sand	
						- - -	- - 3			
						- - -	- - - 4			
						- - -	- _ 5			
						- - -	- - 6			
						- - -	- - 7 -			
						- - -	- _ 8 -			
						- - - -	- - 9			
						-	10			
						-	11			
						-	12			

									Sample Name: BH10	Date: 7/14/2023
7	-7								•	Date: 7/14/2023
			E	N	S	OI	L U	M	Site Name: Nash Unit 12 Incident Number: NAB17229487	70
1				_			_			/U
		_	.=	0.51	. /				Job Number: 03C1558259	1
						SAMPLING	LOG		Logged By: Meredith Roberts	Method: Hand Auger
					3.932635				Hole Diameter: 3"	Total Depth: 2'
Comm	ents: I	iel	d screen	ings r	not conduc	ted				
Moisture Content	Chloride	(ppiii)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	escriptions
						1	0			
Wet					BH10	0.5	_		Dark brown clavev. siltv sand	
Wet					BH10A	1	1		Dark brown clavev. siltv sand	
Wet					BH10B	2	- - 2		Dark brown clavev. siltv sand	
						-	3			
						- - -	- - - 4			
						- - -	- - 5			
						- - -	- - 6			
						- - -	- - - 7 -			
						- - -	- - - 8			
						- - -	- - 9			
						- - - 1	10			
						- - -	11			
						-	- 12			

									Sample Name: BH11	Date: 7/14/2023
1										Date. 1/14/2023
			E	N		OI	_ U	M	Incident Number: NAB172294877	n
									Job Number: 03C1558259	0
			ITHC	ח חפ	IC / SOIL 9	SAMPLING	SIOG		Logged By: Meredith Roberts	Method: Hand Auger
Coordi	inates)3.932115	JAIVII LIIV	100		Hole Diameter: 3"	Total Depth: 2'
					not conduc	ted			Hole Diameter. 3	Total Beptili 2
Moisture Content							(ft bgs)	USCS/Rock Symbol	Lithologic Des	scriptions
						1	0			
Wet					BH11	0.5	-		Dark brown clavev. siltv sand	
Wet					BH11A	1	1		Dark brown clavev. siltv sand	
Wet					BH11B	2 _	- - - 2		Dark brown clavev. siltv sand	
						- - -	3			
						- - -	- - - 4			
						-	- - - 5			
						-	6			
						- - -	- - 7			
						-	- - 8 -			
						- - -	- - 9 -			
						- - -	- _ 10			
						- - - -	- _ 11 -			
						-	- 12			

									Sample Name: BH12	Date: 7/14/2023
1									Site Name: Nach Unit 12	Date: 7/14/2023
			E	N	S	OI	L U	M	Site Name: Nash Unit 12 Incident Number: NAB17229487	70
				_			_			/0
					. /				Job Number: 03C1558259	T
						SAMPLING	LOG		Logged By: Meredith Roberts	Method: Hand Auger
					3.931710				Hole Diameter: 3"	Total Depth: 2'
Comm	ents:	Fiel	d screen	nings r	not conduc	ted				
Moisture Content	Chloride	(mdd)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	escriptions
						1	0			
Wet					BH12	0.5	_		Dark brown clavev. siltv sand	
Wet					BH12A	1	_ 1		Dark brown clavev. siltv sand	
Wet					BH12B	2	_ 2		Dark brown clavev. siltv sand	
						- - -	- _ 3 -			
						- - -	- - 4			
						- - -	- - 5 -			
						- - -	- _ 6			
						- - -	- - 7 -			
						- - -	- _ 8 -			
						- - -	- _ 9 -			
						- - -	10			
						- - -	- 11 -			
						-	- 12			

									Sample Name: BH13	Date: 7/14/2023
										, , ,
				N	3	U	_ U	V	Site Name: Nash Unit 12 Incident Number: NAB17229487	70
									Job Number: 03C1558259	
		L	ITHOL	OGI	C / SOIL S	SAMPLING	LOG		Logged By: Meredith Roberts	Method: Hand Auger
Coord	inates:				3.931304				Hole Diameter: 3"	Total Depth: 2'
					not conduc	ted				· ·
Moisture Content	Chloride	(midd)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Do	escriptions
					DUIA	1	0			
Wet					BH13	0.5	-		Dark brown clavev. siltv sand	
Wet					BH13A	1 _	1		Dark brown clavev. siltv sand	
Wet					BH13B	2	<u> </u>		Dark brown clavev. siltv sand	
						- - -	- _ 3 -			
						- - -	- - 4			
						- - -	- - 5			
						- - -	6 6			
						- - -	- - - 7			
						- - -	- _ 8 -			
						- - -	9			
						- - -	10			
						-	11			
						-	12			

									Commis News of DUI 4	Date: 7/14/2022
1	-7								Sample Name: BH14	Date: 7/14/2023
				N	S	OI	_ U	M	Site Name: Nash Unit 12	70
1				_ •					Incident Number: NAB17229487	/U
				26:	. /				Job Number: 03C1558259	T
						SAMPLING	LOG		Logged By: Meredith Roberts	Method: Hand Auger
					3.931028				Hole Diameter: 3"	Total Depth: 2'
Comm	ents: F	ield	screen	ings r	not conduc	ted				
Moisture Content	Chloride	(midd)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	escriptions
						1	0			
Wet					BH14	0.5	-		Dark brown clavev. siltv sand	
Wet					BH14A	1 _	_ 1		Dark brown clavev. siltv sand	
Wet					BH14B	2 2	- - _ 2		Dark brown clavev. siltv sand	
						- - -	- _ 3 -			
						- - -	4			
						- - -	5 - 5			
						- - -	6 - -			
						- - -	7 -			
						- - -	8 -			
						- - -	9 -			
						- - - -	10			
						-	11			
							12			

									Sample Name: BH15	Data: 7/14/2022
7									Site Name: Nach Unit 12	Date: 7/14/2023
			E	N	S	OI	L U	M	Site Name: Nash Unit 12 Incident Number: NAB17229487	70
				_			_			70
				00:	. /				Job Number: 03C1558259	<u> </u>
						SAMPLING	LOG		Logged By: Meredith Roberts	Method: Hand Auger
					3.930641				Hole Diameter: 3"	Total Depth: 2'
Comm	ents:	Fiel	d screen	ings r	not conduc	ted				
Moisture Content	Chloride	(mdd)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	escriptions
						1	0			
Wet					BH15	0.5	_		Dark brown clavev. siltv sand	
Wet					BH15A	1	1		Dark brown clavev. siltv sand	
Wet					BH15B	2	_ 2		Dark brown clavev. siltv sand	
						- - -	- - 3			
						- - -	- - 4			
						- - -	- - - 5			
						- - -	- - 6			
						- - -	- - - 7			
						- - -	- - - 8			
						- - -	- _ 9 -			
						- - -	10			
						- - - -	11			
						-	- 12			

									Commis Names BUILG	Date: 7/14/2022
1			_						Sample Name: BH16	Date: 7/14/2023
			E	N	S	OI	L U	M	Site Name: Nash Unit 12	70
									Incident Number: NAB17229487	70
									Job Number: 03C1558259	
						SAMPLING	LOG		Logged By: Meredith Roberts	Method: Hand Auger
					3.930036				Hole Diameter: 3"	Total Depth: 2'
Comm	ents:	Fiel	d screen	nings i	not conduc	ted				
Moisture Content	Chloride	(mdd)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	escriptions
						1	0			
Wet					BH16	0.5	_		Dark brown clavev. siltv sand	
Wet					BH16A	1	1		Dark brown clavev. siltv sand	
Wet					BH16B	2	- _ 2		Dark brown clavev. siltv sand	
						-	- - 3			
						- - -	- - - 4			
						- - -	- - - 5			
						- - -	- _ 6			
						- - -	- - - 7			
						- - -	- _ 8 -			
						- - -	- - - 9			
						- - - -	10			
						- - -	11 1			
						-	- 12			

									Sample Name: BH17	Date: 7/14/2023
7									•	Date: 7/14/2023
			E	N	S	0 1	_ U	M	Site Name: Nash Unit 12 Incident Number: NAB17229487	70
				_			_			/U
		_	.=	0.01	. /				Job Number: 03C1558259	T
						SAMPLING	LOG		Logged By: Meredith Roberts	Method: Hand Auger
					3.930312				Hole Diameter: 3"	Total Depth: 2'
Comm	ents: I	iel	d screen	ings r	not conduc	ted				
Moisture Content	Chloride (250)	(ppiii)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	escriptions
						1	0			
Wet					BH17	0.5	[Dark brown clavev. siltv sand	
Wet					BH17A	1 _	1		Dark brown clavev. siltv sand	
Wet					BH17B	2 _	- 2		Dark brown clavev. siltv sand	
						- - -	- _ 3 -			
						- - -	- - 4			
						- - -	- _ 5			
						- - -	- - 6			
						-	- - 7			
						- - -	- - 8			
						- -	- - 9			
						- - -	10			
						- - -	11			
						1 '	- 12			



APPENDIX D

Photographic Log



Photographic Log

XTO Energy, Inc.
Nash Unit #012
Incident Number NAB1722948770





Photograph: 1 Date: 7/14/2023

Description: Delineation activities

View: West

Photograph: 2 Date: 7/14/2023

Description: Delineation activities

View: West





Photograph: 3 Date: 7/14/2023

Description: Delineation activities

View: East

Photograph: 4 Date: 7/14/2023

Description: Delineation activities

View: North



APPENDIX E

Laboratory Analytical Reports & Chain of Custody Documentation

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tacoma Morrissey Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701

Generated 7/31/2023 3:24:04 PM

JOB DESCRIPTION

Nash Unit 12 SDG NUMBER 03C1558259

JOB NUMBER

890-4950-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

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

Authorization

Generated 7/31/2023 3:24:04 PM

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

Client: Ensolum
Project/Site: Nash Unit 12
Laboratory Job ID: 890-4950-1
SDG: 03C1558259

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3

4

6

8

10

11

13

14

Definitions/Glossary

 Client: Ensolum
 Job ID: 890-4950-1

 Project/Site: Nash Unit 12
 SDG: 03C1558259

Qualifiers

GC VOA
Qualifier

*_	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

Qualifier Description

GC Semi VOA

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

HPLC/IC

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

Glossary

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)

Eurofins Carlsbad

Toxicity Equivalent Quotient (Dioxin)

Too Numerous To Count

TEQ

TNTC

Case Narrative

Client: Ensolum

Job ID: 890-4950-1 Project/Site: Nash Unit 12 SDG: 03C1558259

Job ID: 890-4950-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-4950-1

Receipt

The samples were received on 7/14/2023 2:35 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.2°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BH01 (890-4950-1), BH01A (890-4950-2), BH01B (890-4950-3), BH02 (890-4950-4), BH02A (890-4950-5), BH02B (890-4950-6), BH03 (890-4950-7), BH03A (890-4950-8), BH03B (890-4950-9), BH04 (890-4950-10), BH04A (890-4950-11), BH04B (890-4950-12), BH05 (890-4950-13), BH05A (890-4950-14), BH05B (890-4950-15), BH06 (890-4950-16), BH06A (890-4950-17), BH06B (890-4950-18), BH07 (890-4950-19), BH07A (890-4950-20), BH07B (890-4950-21), BH08 (890-4950-22), BH08A (890-4950-23), BH08B (890-4950-24), BH09 (890-4950-25), BH09A (890-4950-26), BH09B (890-4950-27), BH10 (890-4950-28), BH10A (890-4950-29), BH10B (890-4950-30), BH11 (890-4950-31), BH11A (890-4950-32), BH11B (890-4950-33), BH12 (890-4950-34), BH12A (890-4950-35), BH12B (890-4950-36), BH13 (890-4950-37), BH13A (890-4950-38), BH13B (890-4950-39), BH14 (890-4950-40), BH14A (890-4950-41), BH14B (890-4950-42), BH15 (890-4950-43), BH15A (890-4950-44), BH15B (890-4950-45), BH16 (890-4950-46), BH16A (890-4950-47), BH17 (890-4950-48), BH16B (890-4950-49), BH17A (890-4950-50) and BH17B (890-4950-51).

Sample container(s) was provided by the client for the following samples: BH01 (890-4950-1), BH01A (890-4950-2), BH01B (890-4950-3), BH02 (890-4950-4), BH02A (890-4950-5), BH02B (890-4950-6), BH03 (890-4950-7), BH03A (890-4950-8), BH03B (890-4950-9), BH04 (890-4950-10), BH04A (890-4950-11), BH04B (890-4950-12), BH05 (890-4950-13), BH05A (890-4950-14), BH05B (890-4950-15), BH06 (890-4950-16), BH06A (890-4950-17), BH06B (890-4950-18), BH07 (890-4950-19), BH07A (890-4950-20), BH07B (890-4950-21), BH08 (890-4950-22), BH08A (890-4950-23), BH08B (890-4950-24), BH09 (890-4950-25), BH09A (890-4950-26), BH09B (890-4950-27), BH10 (890-4950-28), BH10A (890-4950-29), BH10B (890-4950-30), BH11 (890-4950-31), BH11A (890-4950-32), BH11B (890-4950-33), BH12 (890-4950-34), BH12A (890-4950-35), BH12B (890-4950-36), BH13 (890-4950-37), BH13A (890-4950-38), BH13B (890-4950-39), BH14 (890-4950-40), BH14A (890-4950-41), BH14B (890-4950-42), BH15 (890-4950-43), BH15A (890-4950-44), BH15B (890-4950-45), BH16 (890-4950-46), BH16A (890-4950-47), BH17 (890-4950-48), BH16B (890-4950-49), BH17A (890-4950-50) and BH17B (890-4950-51) 890-4950 #3,#5,#6 water in the sample- client needs contacted and samples will go to midland for testing

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): BH01 (890-4950-1), BH01A (890-4950-2), BH01B (890-4950-3), BH02 (890-4950-4), BH02A (890-4950-5), BH02B (890-4950-6), BH03 (890-4950-7), BH03A (890-4950-8), BH03B (890-4950-9), BH04 (890-4950-10), BH04A (890-4950-11), BH04B (890-4950-12), BH05 (890-4950-13), BH05A (890-4950-14), BH05B (890-4950-15), BH06 (890-4950-16), BH06A (890-4950-17), BH06B (890-4950-18), BH07 (890-4950-19), BH07A (890-4950-20), BH07B (890-4950-21), BH08 (890-4950-22), BH08A (890-4950-23), BH08B (890-4950-24), BH09 (890-4950-25), BH09A (890-4950-26), BH09B (890-4950-27), BH10 (890-4950-28), BH10A (890-4950-29), BH10B (890-4950-30), BH11 (890-4950-31), BH11A (890-4950-32), BH11B (890-4950-33), BH12 (890-4950-34), BH12A (890-4950-35), BH12B (890-4950-36), BH13 (890-4950-37), BH13A (890-4950-38), BH13B (890-4950-39), BH14 (890-4950-40), BH14A (890-4950-41), BH14B (890-4950-42), BH15 (890-4950-43), BH15A (890-4950-44), BH15B (890-4950-45), BH16 (890-4950-46), BH16A (890-4950-47), BH17 (890-4950-48), BH16B (890-4950-49), BH17A (890-4950-50) and BH17B (890-4950-51). The container labels list <SAMPLE_ID>, while the COC lists <SAMPLEID>. The client was contacted, and the lab was instructed to <EXPLANATION REQUIRED>. 89-4950

Sample #10

Jar: bh05 10:05 @ 0.5' 7-14-23

COC: BH04 09:35 @ 0.5 7-14-23

This is the same sample based off simular name, date is the same and depth is the same- last to be labeled this is the same sample

Sample #16

Jar BH06 09:35 @ 0.5' 7-14-23

COC BH06 10:05 @ 0.5' 7-14-23

Based off sample name, depth and date these are the same samples

all samples will be sent to midland

GC VOA

Case Narrative

Client: Ensolum

Project/Site: Nash Unit 12

Job ID: 890-4950-1

SDG: 03C1558259

Job ID: 890-4950-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

Method 8021B: Surrogate recovery for the following sample was outside control limits: (CCV 880-57991/33). Evidence of matrix interferences is not obvious.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-57991 recovered above the upper control limit for Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-57991/2).

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-57991 recovered below the lower control limit for Ethylbenzene and m-Xylene & p-Xylene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-57991/33).

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-58038 and analytical batch 880-57991 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-57972 and analytical batch 880-58258 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-58258 recovered below the lower control limit for o-Xylene. An acceptable CCV was ran within the 12 hour window, therefore the data has been gualified and reported. The associated sample is impacted: (CCV 880-58258/33).

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-58258 recovered below the lower control limit for Benzene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-58258/51).

Method 8021B: LCSD biased low. Since only an acceptable LCS is required per the method, the data has been qualified and reported. (LCSD 880-58151/2-A)

Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-58151 and analytical batch 880-58250 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (890-4950-A-21-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-57974 and analytical batch 880-58285 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-58285 recovered above the upper control limit for m-Xylene & p-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-58285/2).

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

GC Semi VOA

Method 8015MOD NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-58404 and analytical batch 880-58772 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: BH01 (890-4950-1), BH01A

Case Narrative

Job ID: 890-4950-1 Client: Ensolum Project/Site: Nash Unit 12

SDG: 03C1558259

Job ID: 890-4950-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

(890-4950-2), BH01B (890-4950-3), BH02 (890-4950-4), BH03A (890-4950-8), BH04A (890-4950-11), BH04B (890-4950-12), BH07B (890-4950-21), BH08 (890-4950-22), BH09B (890-4950-27), BH10A (890-4950-29), BH12B (890-4950-36), BH13 (890-4950-37), BH13A (890-4950-38), (MB 880-58403/1-A), (MB 880-58404/1-A), (890-4950-A-21-H MS) and (890-4950-A-21-I MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The CCV was biased low for gasoline range hydrocarbons. Another CCV was analyzed and acceptable within 12 hours; therefore, the data was qualified and reported.(CCV 880-58792/20)

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH14A (890-4950-41), BH15A (890-4950-44) and BH17 (890-4950-48). Evidence of matrix interferences is not obvious.

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

HPI C/IC

Method 300 ORGFM 28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-57875 and analytical batch 880-58007 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Lab Sample ID: 890-4950-1

Job ID: 890-4950-1

Client: Ensolum Project/Site: Nash Unit 12 SDG: 03C1558259

Client Sample ID: BH01

Date Collected: 07/14/23 08:50 Date Received: 07/14/23 14:35

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199	mg/Kg		07/18/23 16:18	07/22/23 21:04	1
Toluene	< 0.00199	U F1 F2	0.00199	mg/Kg		07/18/23 16:18	07/22/23 21:04	1
Ethylbenzene	< 0.00199	U F1 F2	0.00199	mg/Kg		07/18/23 16:18	07/22/23 21:04	1
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.00398	mg/Kg		07/18/23 16:18	07/22/23 21:04	1
o-Xylene	<0.00199	U F1 F2	0.00199	mg/Kg		07/18/23 16:18	07/22/23 21:04	1
Xylenes, Total	<0.00398	U F1 F2	0.00398	mg/Kg		07/18/23 16:18	07/22/23 21:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			07/18/23 16:18	07/22/23 21:04	1
1,4-Difluorobenzene (Surr)	103		70 - 130			07/18/23 16:18	07/22/23 21:04	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/24/23 08:47	1
- Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	73.4		49.9	mg/Kg			07/31/23 15:49	1
- Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		07/24/23 17:21	07/29/23 10:54	1
Diesel Range Organics (Over C10-C28)	73.4		49.9	mg/Kg		07/24/23 17:21	07/29/23 10:54	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/24/23 17:21	07/29/23 10:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130			07/24/23 17:21	07/29/23 10:54	1
o-Terphenyl	113		70 - 130			07/24/23 17:21	07/29/23 10:54	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					

Client Sample ID: BH01A

Date Collected: 07/14/23 08:55 Date Received: 07/14/23 14:35

Sample Depth: 1

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		07/18/23 16:18	07/22/23 21:25	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/18/23 16:18	07/22/23 21:25	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/18/23 16:18	07/22/23 21:25	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		07/18/23 16:18	07/22/23 21:25	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/18/23 16:18	07/22/23 21:25	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		07/18/23 16:18	07/22/23 21:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130			07/18/23 16:18	07/22/23 21:25	

252

43900

mg/Kg

Eurofins Carlsbad

07/19/23 08:53

Lab Sample ID: 890-4950-2

Matrix: Solid

Lab Sample ID: 890-4950-2

Job ID: 890-4950-1

Client: Ensolum Project/Site: Nash Unit 12 SDG: 03C1558259

Client Sample ID: BH01A

Date Collected: 07/14/23 08:55 Date Received: 07/14/23 14:35

Sample Depth: 1

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

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	119	70 - 130	07/18/23 16:18	07/22/23 21:25	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg		_	07/24/23 08:47	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			07/31/23 15:49	1

Method: SW846 8015B NM - Diesel Range Organics	(DRO)	(GC)	١
motified. Offerto College Ithin Biodol Rungo Organico	(5.10)	, , , , ,	,

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		07/24/23 17:21	07/29/23 12:00	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		07/24/23 17:21	07/29/23 12:00	1
Oll Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		07/24/23 17:21	07/29/23 12:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130	07/24/23 17:2	07/29/23 12:00	1
o-Terphenyl	113		70 - 130	07/24/23 17:2	1 07/29/23 12:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39200	249	mg/Kg			07/19/23 09:08	50

Lab Sample ID: 890-4950-3 Client Sample ID: BH01B

Date Collected: 07/14/23 09:00 Date Received: 07/14/23 14:35

Sample Depth: 2

1,4-Difluorobenzene (Surr)

Mothodi CIMO46 0004D	Valatila Organia Campaunda (CC)

Welliou. Syvo46 6021B - Volat	ne Organic Comp	ounus (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		07/18/23 16:18	07/22/23 21:46	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/18/23 16:18	07/22/23 21:46	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/18/23 16:18	07/22/23 21:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/18/23 16:18	07/22/23 21:46	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/18/23 16:18	07/22/23 21:46	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/18/23 16:18	07/22/23 21:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130			07/18/23 16:18	07/22/23 21:46	1

Mothod: TAI	SOP Total RTFY	- Total RTFY	Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00402	U	0.00402	ma/Ka			07/24/23 08:47	1

70 - 130

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5	mg/Kg			07/31/23 15:49	1

Eurofins Carlsbad

Matrix: Solid

Lab Sample ID: 890-4950-3

Client Sample Results

Client: Ensolum Job ID: 890-4950-1 Project/Site: Nash Unit 12 SDG: 03C1558259

Client Sample ID: BH01B

Date Collected: 07/14/23 09:00 Date Received: 07/14/23 14:35

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.5	U	49.5	mg/Kg		07/24/23 17:21	07/29/23 12:21	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.5	U	49.5	mg/Kg		07/24/23 17:21	07/29/23 12:21	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.5	U	49.5	mg/Kg		07/24/23 17:21	07/29/23 12:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	149	S1+	70 - 130			07/24/23 17:21	07/29/23 12:21	1
o-Terphenyl	128		70 - 130			07/24/23 17:21	07/29/23 12:21	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: BH02 Lab Sample ID: 890-4950-4 Date Collected: 07/14/23 09:05 Matrix: Solid

Date Received: 07/14/23 14:35

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/22/23 22:06	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/22/23 22:06	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/22/23 22:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/18/23 16:18	07/22/23 22:06	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/22/23 22:06	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/18/23 16:18	07/22/23 22:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			07/18/23 16:18	07/22/23 22:06	1
1,4-Difluorobenzene (Surr)	112		70 - 130			07/18/23 16:18	07/22/23 22:06	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00399	U	0.00399	mg/Kg			07/24/23 08:47	1
Total BTEX	<0.00399	U	0.00399	mg/Kg			07/24/23 08:47	1
Total BTEX : Method: SW846 8015 NM - Dies e				mg/Kg			07/24/23 08:47	1
: Method: SW846 8015 NM - Diese	el Range Organ Result	ics (DRO) (GC)	mg/Kg	<u>D</u>	Prepared	07/24/23 08:47 Analyzed	Dil Fac
•	el Range Organ	ics (DRO) (GC)		<u>D</u>	Prepared		·
Method: SW846 8015 NM - Diese Analyte	Result <50.2	ics (DRO) (Qualifier	RL 50.2	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <50.2 sel Range Organ	ics (DRO) (Qualifier	RL 50.2	Unit	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ Result <50.2 sel Range Organ	Qualifier Unics (DRO) Qualifier	RL 50.2 (GC)	Unit mg/Kg			Analyzed 07/31/23 15:49	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	el Range Organ Result <50.2 sel Range Orga Result	Qualifier Unics (DRO) Qualifier	GC) RL 50.2 (GC) RL 50.2	Unit mg/Kg		Prepared 07/24/23 17:21	Analyzed 07/31/23 15:49 Analyzed 07/29/23 12:43	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result <50.2 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U u U U U U U U U U U U U U U U U U U	GC) RL 50.2 (GC) RL	Unit mg/Kg		Prepared	Analyzed 07/31/23 15:49 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result <50.2 sel Range Orga Result <50.2 <50.2	cics (DRO) (Control of the property of the pro	GC) RL 50.2 (GC) RL 50.2 50.2	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:21 07/24/23 17:21	Analyzed 07/31/23 15:49 Analyzed 07/29/23 12:43 07/29/23 12:43	Dil Fac Dil Fac 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	el Range Organ Result <50.2 sel Range Orga Result <50.2	cics (DRO) (Control of the property of the pro	GC) RL 50.2 (GC) RL 50.2	Unit mg/Kg Unit mg/Kg		Prepared 07/24/23 17:21	Analyzed 07/31/23 15:49 Analyzed 07/29/23 12:43	Dil Fac Dil Fac 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	sel Range Organ Result <50.2 sel Range Orga Result <50.2 <50.2 <50.2 <%Recovery	Company of the compan	GC) RL 50.2 (GC) RL 50.2 50.2	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:21 07/24/23 17:21 07/24/23 17:21 Prepared	Analyzed 07/31/23 15:49 Analyzed 07/29/23 12:43 07/29/23 12:43 Analyzed	Dil Fac Dil Fac 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result <50.2 sel Range Orga Result <50.2 <50.2 <50.2	cics (DRO) (Control of the property of the pro	GC) RL 50.2 (GC) RL 50.2 50.2 50.2	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:21 07/24/23 17:21 07/24/23 17:21	Analyzed 07/31/23 15:49 Analyzed 07/29/23 12:43 07/29/23 12:43	Dil Fac Dil Fac 1 1 1

Matrix: Solid

Client: Ensolum Project/Site: Nash Unit 12 SDG: 03C1558259

Client Sample ID: BH02 Lab Sample ID: 890-4950-4

Date Collected: 07/14/23 09:05 Matrix: Solid Date Received: 07/14/23 14:35

Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion C	hromatography - Solu	ble					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48400	252	mg/Kg			07/19/23 09:18	50

Client Sample ID: BH02A Lab Sample ID: 890-4950-5

Date Collected: 07/14/23 09:10 Date Received: 07/14/23 14:35

Sample Depth: 1

Analyte

Total BTEX

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		07/18/23 16:18	07/22/23 22:27	1
Toluene	<0.00198	U	0.00198	mg/Kg		07/18/23 16:18	07/22/23 22:27	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/18/23 16:18	07/22/23 22:27	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		07/18/23 16:18	07/22/23 22:27	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/18/23 16:18	07/22/23 22:27	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		07/18/23 16:18	07/22/23 22:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			07/18/23 16:18	07/22/23 22:27	1
1,4-Difluorobenzene (Surr)	110		70 - 130			07/18/23 16:18	07/22/23 22:27	1

Method: SW846 8015 NM - Diesel F	Range Organi	ics (DRO) (G0	C)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			07/31/23 15:49	1

0.00396

Unit

mg/Kg

Prepared

Analyzed 07/24/23 08:47

Result Qualifier

<0.00396 U

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.5	U	50.5	mg/Kg		07/24/23 17:21	07/29/23 13:06	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.5	U	50.5	mg/Kg		07/24/23 17:21	07/29/23 13:06	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		07/24/23 17:21	07/29/23 13:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130			07/24/23 17:21	07/29/23 13:06	1
o-Terphenyl	105		70 - 130			07/24/23 17:21	07/29/23 13:06	1

Method: EPA 300.0 - Anions, Ion C	hromatograpl	hy - Soluble	•					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49600		250	mg/Kg			07/19/23 09:23	50

Client: Ensolum Project/Site: Nash Unit 12 SDG: 03C1558259

Client Sample ID: BH02B Lab Sample ID: 890-4950-6

Date Collected: 07/14/23 09:15 Matrix: Solid Date Received: 07/14/23 14:35

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		07/18/23 16:18	07/22/23 22:48	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/18/23 16:18	07/22/23 22:48	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/18/23 16:18	07/22/23 22:48	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		07/18/23 16:18	07/22/23 22:48	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/18/23 16:18	07/22/23 22:48	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		07/18/23 16:18	07/22/23 22:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			07/18/23 16:18	07/22/23 22:48	1
1,4-Difluorobenzene (Surr)	112		70 - 130			07/18/23 16:18	07/22/23 22:48	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	ulation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			07/24/23 08:47	1
					_			
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Total TPH	Result <49.9		RL 49.9	Mnit mg/Kg	<u>D</u>	Prepared	Analyzed 07/31/23 15:49	Dil Fac
	<49.9	U	49.9		<u>D</u>	Prepared		Dil Fac
Total TPH	<49.9	U	49.9		<u>D</u> 	Prepared Prepared		1
Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	<49.9	nics (DRO) Qualifier	49.9 (GC)	mg/Kg			07/31/23 15:49	1 Dil Fac
Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<49.9 sel Range Orga Result	nics (DRO) Qualifier	49.9 (GC)	mg/Kg		Prepared	07/31/23 15:49 Analyzed	Dil Fac
Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10	<49.9 sel Range Orga Result <49.9	nics (DRO) Qualifier U	(GC) RL 49.9	mg/Kg Unit mg/Kg		Prepared 07/24/23 17:21	07/31/23 15:49 Analyzed 07/29/23 13:28	Dil Fac
Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.9 sel Range Orga Result <49.9 <49.9	nics (DRO) Qualifier U	(GC) RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:21 07/24/23 17:21	07/31/23 15:49 Analyzed 07/29/23 13:28 07/29/23 13:28	Dil Fac
Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<49.9 sel Range Orga Result <49.9 <49.9 <49.9	nics (DRO) Qualifier U	(GC) RL 49.9 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:21 07/24/23 17:21 07/24/23 17:21	07/31/23 15:49 Analyzed 07/29/23 13:28 07/29/23 13:28	Dil Face 1 1 1 Dil Face
Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<49.9 sel Range Orga Result <49.9 <49.9 <49.9 %Recovery	nics (DRO) Qualifier U	49.9 (GC) RL 49.9 49.9 49.9 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:21 07/24/23 17:21 07/24/23 17:21 Prepared	07/31/23 15:49 Analyzed 07/29/23 13:28 07/29/23 13:28 07/29/23 13:28 Analyzed	Dil Fac
Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<49.9 sel Range Orga Result <49.9 <49.9 <49.9 **Recovery 124 109	Onics (DRO) Qualifier U U Qualifier	49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:21 07/24/23 17:21 07/24/23 17:21 Prepared 07/24/23 17:21	07/31/23 15:49 Analyzed 07/29/23 13:28 07/29/23 13:28 Analyzed 07/29/23 13:28	Dil Fac
Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	\$\sel \text{Range Orga} \text{Result} \$\sel \text{Result} \times 49.9 \$\sel \text{49.9} \times 49.9 \$\square \text{Recovery} \text{124} \text{109} \$\text{109} \text{Chromatograph}\$	Onics (DRO) Qualifier U U Qualifier	49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:21 07/24/23 17:21 07/24/23 17:21 Prepared 07/24/23 17:21	07/31/23 15:49 Analyzed 07/29/23 13:28 07/29/23 13:28 Analyzed 07/29/23 13:28	Dil Fac 1 Dil Fac 1 1 Dil Fac 1 Dil Fac

Client Sample ID: BH03 Lab Sample ID: 890-4950-7

Date Collected: 07/14/23 09:20 Date Received: 07/14/23 14:35

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/22/23 23:08	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/22/23 23:08	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/22/23 23:08	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		07/18/23 16:18	07/22/23 23:08	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/22/23 23:08	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		07/18/23 16:18	07/22/23 23:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			07/18/23 16:18	07/22/23 23:08	

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Matrix: Solid

Client Sample Results

 Client: Ensolum
 Job ID: 890-4950-1

 Project/Site: Nash Unit 12
 SDG: 03C1558259

Client Sample ID: BH03 Lab Sample ID: 890-4950-7

Date Collected: 07/14/23 09:20 Matrix: Solid
Date Received: 07/14/23 14:35

Sample Depth: 0.5

Method: SW846 8021B - Volatile	Organic Compounds	(GC) (Continued)
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Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	113	70 - 130	07/18/23 16:18	07/22/23 23:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401 11	0.00401	ma/Ka			07/24/23 08:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	ma/Ka			07/31/23 15:49	1

Method: SW846 8015B NM - Diesel Range Organics	(DRO)	(GC)	١
motified. Offerto College Ithin Biodol Rungo Organico	(5.10)	, , , , ,	,

		(,	\ - - /					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	mg/Kg		07/24/23 17:21	07/29/23 13:50	1
(GRO)-C6-C10 Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		07/24/23 17:21	07/29/23 13:50	1
C10-C28) OII Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/24/23 17:21	07/29/23 13:50	1
Surrogato	%Pacayary	Qualifier	l imite			Propared	Analyzad	Dil Eac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118	70 - 130	07/24/23 17:21	07/29/23 13:50	1
o-Terphenyl	99	70 - 130	07/24/23 17:21	07/29/23 13:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43300	251	mg/Kg			07/19/23 09:43	50

Client Sample ID: BH03A Lab Sample ID: 890-4950-8

Date Collected: 07/14/23 09:25 Date Received: 07/14/23 14:35

Sample Depth: 1

Mothodi CIMOAC 0004D	Valatila Organia Campaunda //	

mothod. Offoro COLID Tolat	no Organio Comp	ounas (SS)	,					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/22/23 23:29	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/22/23 23:29	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/22/23 23:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/18/23 16:18	07/22/23 23:29	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/22/23 23:29	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/18/23 16:18	07/22/23 23:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130			07/18/23 16:18	07/22/23 23:29	1
1.4 Diffuorobenzene (Surr)	115		70 120			07/18/22 16:18	07/22/22 22:20	1

ı	4-bromonuorobenzene (Surr)	110	70 - 130	07/16/23 10.16	01/22/23 23.29	1
	1,4-Difluorobenzene (Surr)	115	70 - 130	07/18/23 16:18	07/22/23 23:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	KL	Unit	D	Prepared	Analyzed	DII Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg		_	07/24/23 08:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			07/31/23 15:49	1

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Matrix: Solid

Lab Sample ID: 890-4950-8

Client Sample Results

Client: Ensolum Job ID: 890-4950-1 Project/Site: Nash Unit 12 SDG: 03C1558259

Client Sample ID: BH03A

Date Collected: 07/14/23 09:25 Date Received: 07/14/23 14:35

Sample Depth: 1

Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2	mg/Kg		07/24/23 17:21	07/29/23 14:12	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		07/24/23 17:21	07/29/23 14:12	1
Oll Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		07/24/23 17:21	07/29/23 14:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130			07/24/23 17:21	07/29/23 14:12	1
o-Terphenyl	124		70 - 130			07/24/23 17:21	07/29/23 14:12	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50100		252	mg/Kg			07/19/23 09:48	50

Client Sample ID: BH03B Lab Sample ID: 890-4950-9 Date Collected: 07/14/23 09:30 Matrix: Solid

Date Received: 07/14/23 14:35

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		07/18/23 16:18	07/22/23 23:50	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/18/23 16:18	07/22/23 23:50	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/18/23 16:18	07/22/23 23:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/18/23 16:18	07/22/23 23:50	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/18/23 16:18	07/22/23 23:50	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/18/23 16:18	07/22/23 23:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			07/18/23 16:18	07/22/23 23:50	1
1,4-Difluorobenzene (Surr)	110		70 - 130			07/18/23 16:18	07/22/23 23:50	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	ulation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			07/24/23 08:47	1
· -								
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) ((201					
			•					
		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Total TPH		Qualifier	•	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 07/31/23 15:49	Dil Fac
Total TPH	<50.4	Qualifier U	RL 50.4		<u>D</u>	Prepared		
Total TPH Method: SW846 8015B NM - Dies	<50.4	Qualifier U	RL 50.4		<u>D</u>	Prepared Prepared		
Total TPH Method: SW846 8015B NM - Dies Analyte	<50.4	Qualifier Unics (DRO) Qualifier	RL 50.4 (GC)	mg/Kg			07/31/23 15:49	1
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	<50.4 sel Range Orga Result	Qualifier Unics (DRO) Qualifier	RL	mg/Kg		Prepared	07/31/23 15:49 Analyzed	1 Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<50.4 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL	mg/Kg		Prepared	07/31/23 15:49 Analyzed	1 Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.4 sel Range Orga Result <50.4	Qualifier U nics (DRO) Qualifier U	RL 50.4 (GC) RL 50.4 50.4	mg/Kg Unit mg/Kg		Prepared 07/24/23 17:21	07/31/23 15:49 Analyzed 07/29/23 14:34 07/29/23 14:34	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.4 sel Range Orga Result <50.4	Qualifier U nics (DRO) Qualifier U	RL 50.4 (GC) RL 50.4	mg/Kg Unit mg/Kg		Prepared 07/24/23 17:21	07/31/23 15:49 Analyzed 07/29/23 14:34	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<50.4 sel Range Orga Result <50.4 <50.4 <50.4 %Recovery	Qualifier U nics (DRO) Qualifier U U	RL 50.4 (GC) RL 50.4 50.4	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:21 07/24/23 17:21	07/31/23 15:49 Analyzed 07/29/23 14:34 07/29/23 14:34	1 Dil Fac
	<50.4 sel Range Orga Result <50.4 <50.4 <50.4	Qualifier U nics (DRO) Qualifier U U	RL 50.4 (GC) RL 50.4 50.4	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:21 07/24/23 17:21 07/24/23 17:21	07/31/23 15:49 Analyzed 07/29/23 14:34 07/29/23 14:34	1 Dil Fac 1 1

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7/31/2023

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 Client: Ensolum
 Job ID: 890-4950-1

 Project/Site: Nash Unit 12
 SDG: 03C1558259

Client Sample ID: BH03B

Lab Sample ID: 890-4950-9

Date Collected: 07/14/23 09:30 Date Received: 07/14/23 14:35 Matrix: Solid

Sample Depth: 2

Method: EPA 300.0 - Anions, Ion C	Chromatography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48400	248	mg/Kg			07/19/23 09:53	50

Client Sample ID: BH04 Lab Sample ID: 890-4950-10

Date Collected: 07/14/23 09:35
Date Received: 07/14/23 14:35

Matrix: Solid

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/23/23 00:10	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/23/23 00:10	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/23/23 00:10	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		07/18/23 16:18	07/23/23 00:10	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/23/23 00:10	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		07/18/23 16:18	07/23/23 00:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			07/18/23 16:18	07/23/23 00:10	1
1,4-Difluorobenzene (Surr)	110		70 - 130			07/18/23 16:18	07/23/23 00:10	1

Method: TAL SOP Total	Method: TAL SOP Total BTEX - Total BTEX Calculation								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00401	U	0.00401	mg/Kg			07/24/23 08:47	1	
Method: SW846 8015 N	M - Diesel Range Organ	ics (DRO) (GC)						

momous create to containing	- · g-· ·	, ()						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U —	50.3	mg/Kg			07/31/23 15:49	1
Method: SW846 8015B NM - Diesel Rang	e Orga	nics (DRO) (GC)						

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3	mg/Kg		07/24/23 17:21	07/29/23 14:56	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	mg/Kg		07/24/23 17:21	07/29/23 14:56	1
Oll Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		07/24/23 17:21	07/29/23 14:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130			07/24/23 17:21	07/29/23 14:56	1
o-Terphenyl	108		70 - 130			07/24/23 17:21	07/29/23 14:56	1

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41800	249	mg/Kg			07/19/23 09:58	50

Lab Sample ID: 890-4950-11

Client Sample Results

 Client: Ensolum
 Job ID: 890-4950-1

 Project/Site: Nash Unit 12
 SDG: 03C1558259

Client Sample ID: BH04A

Date Collected: 07/14/23 09:40 Date Received: 07/14/23 14:35

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		07/18/23 16:18	07/23/23 01:33	1
Toluene	<0.00198	U	0.00198	mg/Kg		07/18/23 16:18	07/23/23 01:33	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/18/23 16:18	07/23/23 01:33	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		07/18/23 16:18	07/23/23 01:33	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/18/23 16:18	07/23/23 01:33	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		07/18/23 16:18	07/23/23 01:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			07/18/23 16:18	07/23/23 01:33	1
1,4-Difluorobenzene (Surr)	101		70 - 130			07/18/23 16:18	07/23/23 01:33	1
Method: TAL SOP Total BTEX -	Total BTEX Cal	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			07/24/23 08:47	1
Method: SW846 8015 NM - Diese Analyte	Result	Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			07/31/23 15:49	
=							0.70.720.10.10	1
Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO)	(GC)				0.70 //20 10.10	1
Method: SW846 8015B NM - Die Analyte	• •	nics (DRO) Qualifier	(GC)	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics	• •	Qualifier	• •	Unit mg/Kg	<u>D</u>	Prepared 07/24/23 17:21		
Analyte	Result	Qualifier U	RL		<u>D</u>	<u>·</u>	Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.2	Qualifier U	RL 50.2	mg/Kg	<u> </u>	07/24/23 17:21	Analyzed 07/29/23 15:40	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result < 50.2	Qualifier U U U	RL 50.2	mg/Kg	<u>D</u>	07/24/23 17:21 07/24/23 17:21	Analyzed 07/29/23 15:40 07/29/23 15:40	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.2 <50.2 <50.2	Qualifier U U U	RL 50.2 50.2 50.2	mg/Kg	<u>D</u>	07/24/23 17:21 07/24/23 17:21 07/24/23 17:21	Analyzed 07/29/23 15:40 07/29/23 15:40 07/29/23 15:40	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate	Result	Qualifier U U Qualifier	50.2 50.2 50.2 Limits	mg/Kg	<u>D</u>	07/24/23 17:21 07/24/23 17:21 07/24/23 17:21 Prepared	Analyzed 07/29/23 15:40 07/29/23 15:40 07/29/23 15:40 Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result	Qualifier U U U Qualifier S1+	RL 50.2 50.2 50.2 Limits 70 - 130 70 - 130	mg/Kg	<u>D</u>	07/24/23 17:21 07/24/23 17:21 07/24/23 17:21 Prepared 07/24/23 17:21	Analyzed 07/29/23 15:40 07/29/23 15:40 07/29/23 15:40 Analyzed 07/29/23 15:40	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U U Qualifier S1+	RL 50.2 50.2 50.2 Limits 70 - 130 70 - 130	mg/Kg	<u>D</u>	07/24/23 17:21 07/24/23 17:21 07/24/23 17:21 Prepared 07/24/23 17:21	Analyzed 07/29/23 15:40 07/29/23 15:40 07/29/23 15:40 Analyzed 07/29/23 15:40	Dil Fac

Client Sample ID: BH04B

Date Collected: 07/14/23 09:45 Date Received: 07/14/23 14:35

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/23/23 01:53	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/23/23 01:53	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/23/23 01:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/18/23 16:18	07/23/23 01:53	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/23/23 01:53	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/18/23 16:18	07/23/23 01:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130			07/18/23 16:18	07/23/23 01:53	

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Matrix: Solid

Lab Sample ID: 890-4950-12

Matrix: Solid

Lab Sample ID: 890-4950-12

Client: Ensolum Project/Site: Nash Unit 12 SDG: 03C1558259

Client Sample ID: BH04B

Date Collected: 07/14/23 09:45 Date Received: 07/14/23 14:35

Sample Depth: 2

Method: SW846 8021B	- Volatile Orga	nic Compounds	(GC)	(Continued)
Metrica. Strott duz ib	- Voiatile Olya	inc compounds		(Continueu)

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	104	70 - 130	07/18/23 16:18	07/23/23 01:53	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			07/24/23 08:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			07/31/23 15:49	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5	mg/Kg		07/24/23 17:21	07/29/23 16:02	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		07/24/23 17:21	07/29/23 16:02	1
Oll Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		07/24/23 17:21	07/29/23 16:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepa	ared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130	07/24/23	3 17:21	07/29/23 16:02	1
o-Terphenyl	124		70 - 130	07/24/23	3 17:21	07/29/23 16:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte		ualifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40000	250	mg/Kg			07/19/23 10:18	50

Client Sample ID: BH05 Lab Sample ID: 890-4950-13

Date Collected: 07/14/23 09:50 Date Received: 07/14/23 14:35

Sample Depth: 0.5

ı	Method: SW846 8021B	Maladila Ossasia	O = === = = = = = (OO)

			,					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		07/18/23 16:18	07/23/23 02:14	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/18/23 16:18	07/23/23 02:14	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		07/18/23 16:18	07/23/23 02:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/18/23 16:18	07/23/23 02:14	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		07/18/23 16:18	07/23/23 02:14	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/18/23 16:18	07/23/23 02:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			07/18/23 16:18	07/23/23 02:14	1
1 1 Diffusionabanzana (Curr)	105		70 120			07/19/02 16:19	07/22/22 02:14	4

Surrogate	%Recovery Qualifier	Limits	Prepared	Anaiyzea	DII Fac
4-Bromofluorobenzene (Surr)	110	70 - 130	07/18/23 16:18	07/23/23 02:14	1
1,4-Difluorobenzene (Surr)	105	70 - 130	07/18/23 16:18	07/23/23 02:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00398	U	0.00398	mg/Kg			07/24/23 08:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			07/31/23 15:49	1

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Matrix: Solid

Client Sample Results

Client: Ensolum Job ID: 890-4950-1 Project/Site: Nash Unit 12 SDG: 03C1558259

Client Sample ID: BH05 Date Collected: 07/14/23 09:50

Lab Sample ID: 890-4950-13

Matrix: Solid

Sample Depth: 0.5

Date Received: 07/14/23 14:35

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	mg/Kg		07/24/23 17:21	07/29/23 16:24	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		07/24/23 17:21	07/29/23 16:24	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/24/23 17:21	07/29/23 16:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130			07/24/23 17:21	07/29/23 16:24	1
o-Terphenyl	103		70 - 130			07/24/23 17:21	07/29/23 16:24	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
	Pocult	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Qualifici		•	_	opai ca	7 illuly 20 u	

Lab Sample ID: 890-4950-14 Client Sample ID: BH05A

Date Collected: 07/14/23 09:55 Matrix: Solid

Date Received: 07/14/23 14:35

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/23/23 02:34	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/23/23 02:34	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/23/23 02:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/18/23 16:18	07/23/23 02:34	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/23/23 02:34	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/18/23 16:18	07/23/23 02:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			07/18/23 16:18	07/23/23 02:34	1
1,4-Difluorobenzene (Surr)	116		70 - 130			07/18/23 16:18	07/23/23 02:34	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			07/24/23 08:47	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			07/31/23 15:49	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		07/24/23 17:21	07/29/23 16:47	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		07/24/23 17:21	07/29/23 16:47	1
Oll Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		07/24/23 17:21	07/29/23 16:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130			07/24/23 17:21	07/29/23 16:47	1
o-Terphenyl	95		70 - 130			07/24/23 17:21	07/29/23 16:47	1

SDG: 03C1558259

Client Sample ID: BH05A

Project/Site: Nash Unit 12

Date Collected: 07/14/23 09:55 Date Received: 07/14/23 14:35

Sample Depth: 1

Client: Ensolum

Lab Sample ID: 890-4950-14

Matrix: Solid

Method: EPA 300.0 - Anions, Ion C	Method: EPA 300.0 - Anions, Ion Chromatography - Soluble								
Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43200		209		mg/Kg			07/19/23 10:38	50

Client Sample ID: BH05B Lab Sample ID: 890-4950-15 **Matrix: Solid**

Date Collected: 07/14/23 10:00 Date Received: 07/14/23 14:35

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		07/18/23 16:18	07/23/23 02:55	1
Toluene	<0.00198	U	0.00198	mg/Kg		07/18/23 16:18	07/23/23 02:55	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/18/23 16:18	07/23/23 02:55	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		07/18/23 16:18	07/23/23 02:55	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/18/23 16:18	07/23/23 02:55	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		07/18/23 16:18	07/23/23 02:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130			07/18/23 16:18	07/23/23 02:55	1
1,4-Difluorobenzene (Surr)	113		70 - 130			07/18/23 16:18	07/23/23 02:55	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			07/24/23 08:47	1
Method: SW846 8015 NM - Diesel P	ange Organ	ice (DRO) ((3C)					

Welliou. 30046 6013 NW - Diesel Kange	Organ	ics (DKO) (G	-)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5	mg/Kg			07/31/23 15:49	1
Г								

Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	49.5	mg/Kg		07/24/23 17:21	07/29/23 17:08	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5	mg/Kg		07/24/23 17:21	07/29/23 17:08	1
Oll Range Organics (Over C28-C36)	<49.5	U	49.5	mg/Kg		07/24/23 17:21	07/29/23 17:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130			07/24/23 17:21	07/29/23 17:08	1
o-Terphenyl	106		70 - 130			07/24/23 17:21	07/29/23 17:08	1

Method: EPA 300.0 - Anions, Ion C	hromatography - Solub	le					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43100	251	mg/Kg			07/19/23 10:43	50

Lab Sample ID: 890-4950-16

Client Sample Results

 Client: Ensolum
 Job ID: 890-4950-1

 Project/Site: Nash Unit 12
 SDG: 03C1558259

Client Sample ID: BH06

Date Collected: 07/14/23 10:05 Date Received: 07/14/23 14:35

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		07/18/23 16:18	07/23/23 03:16	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/18/23 16:18	07/23/23 03:16	1
Ethylbenzene	< 0.00201	U	0.00201	mg/Kg		07/18/23 16:18	07/23/23 03:16	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/18/23 16:18	07/23/23 03:16	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/18/23 16:18	07/23/23 03:16	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/18/23 16:18	07/23/23 03:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			07/18/23 16:18	07/23/23 03:16	1
1,4-Difluorobenzene (Surr)	113		70 - 130			07/18/23 16:18	07/23/23 03:16	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			07/24/23 08:47	1
		ics (DRO) (0	50 ,					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result <50.4	Qualifier	•	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 07/31/23 15:49	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die	<50.4	Qualifier U	RL 50.4		<u>D</u>	Prepared		Dil Fac
Total TPH Method: SW846 8015B NM - Dies	<50.4	Qualifier U	RL 50.4		<u>D</u> 	Prepared	07/31/23 15:49	1
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	<50.4	Qualifier Unics (DRO) Qualifier	RL 50.4	mg/Kg				1 Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	<50.4 sel Range Orga Result <50.4	Qualifier U nics (DRO) Qualifier U	RL 50.4 (GC) RL 50.4	mg/Kg Unit mg/Kg		Prepared 07/24/23 17:21	07/31/23 15:49 Analyzed 07/29/23 17:30	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<50.4 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL 50.4 (GC)	mg/Kg		Prepared	07/31/23 15:49 Analyzed	1 Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.4 sel Range Orga Result <50.4	Qualifier U nics (DRO) Qualifier U	RL 50.4 (GC) RL 50.4	mg/Kg Unit mg/Kg		Prepared 07/24/23 17:21	07/31/23 15:49 Analyzed 07/29/23 17:30	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.4 sel Range Orga Result <50.4 <50.4	Qualifier U nics (DRO) Qualifier U U	RL 50.4 (GC) RL 50.4 50.4	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:21 07/24/23 17:21	07/31/23 15:49 Analyzed 07/29/23 17:30 07/29/23 17:30	1 Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<50.4 sel Range Orga Result <50.4 <50.4 <50.4	Qualifier U nics (DRO) Qualifier U U	RL 50.4 (GC) RL 50.4 50.4	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:21 07/24/23 17:21 07/24/23 17:21	07/31/23 15:49 Analyzed 07/29/23 17:30 07/29/23 17:30 07/29/23 17:30	Dil Fac 1 1 Dil Fac Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<50.4 sel Range Orga Result <50.4 <50.4 <50.4 %Recovery	Qualifier U nics (DRO) Qualifier U U	RL 50.4 (GC) RL 50.4 50.4 50.4 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:21 07/24/23 17:21 07/24/23 17:21 Prepared	Analyzed 07/29/23 17:30 07/29/23 17:30 07/29/23 17:30 Analyzed	Dil Fac
Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<50.4 sel Range Orga Result <50.4 <50.4 <50.4 %Recovery 117 107	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 50.4 (GC) RL 50.4 50.4 50.4 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:21 07/24/23 17:21 07/24/23 17:21 Prepared 07/24/23 17:21	07/31/23 15:49 Analyzed 07/29/23 17:30 07/29/23 17:30 Analyzed 07/29/23 17:30	1 Dil Fac 1 1
Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<50.4 sel Range Orga Result <50.4 <50.4 <50.4 %Recovery 117 107 a Chromatograp	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 50.4 (GC) RL 50.4 50.4 50.4 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:21 07/24/23 17:21 07/24/23 17:21 Prepared 07/24/23 17:21	07/31/23 15:49 Analyzed 07/29/23 17:30 07/29/23 17:30 Analyzed 07/29/23 17:30	1 Dil Fac 1 Dil Fac 1

Client Sample ID: BH06A

Date Collected: 07/14/23 10:10

Date Received: 07/14/23 14:35

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		07/18/23 16:18	07/23/23 03:36	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/18/23 16:18	07/23/23 03:36	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/18/23 16:18	07/23/23 03:36	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		07/18/23 16:18	07/23/23 03:36	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/18/23 16:18	07/23/23 03:36	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		07/18/23 16:18	07/23/23 03:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			07/18/23 16:18	07/23/23 03:36	1

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Lab Sample ID: 890-4950-17

Matrix: Solid

3

3

7

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10

12

4 4

Client: Ensolum SDG: 03C1558259 Project/Site: Nash Unit 12

Client Sample ID: BH06A Lab Sample ID: 890-4950-17

Date Collected: 07/14/23 10:10 Matrix: Solid Date Received: 07/14/23 14:35

Sample Depth: 1

Method: SW846 8021B	- Volatile Organic	Compounds ((GC) (Continued)
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Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	112	70 - 130	07/18/23 16:18	07/23/23 03:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			07/24/23 08:47	1

Mathed CMO4C CO4E NM Discal Dance Occasion (DI	201	1001	
Method: SW846 8015 NM - Diesel Range Organics (DI	くしょいし	((36.)	

Analyte	Result Qua	lifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2 U	50.2	ma/Ka			07/31/23 15:49	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2	mg/Kg		07/24/23 17:21	07/29/23 17:52	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		07/24/23 17:21	07/29/23 17:52	1
Oll Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		07/24/23 17:21	07/29/23 17:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118	70 - 130	07/24/23 17:21	07/29/23 17:52	1
o-Terphenyl	107	70 - 130	07/24/23 17:21	07/29/23 17:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47800	250	mg/Kg			07/19/23 10:53	50

Client Sample ID: BH06B Lab Sample ID: 890-4950-18 **Matrix: Solid**

Date Collected: 07/14/23 10:15 Date Received: 07/14/23 14:35

Sample Depth: 2

Method: SW846 8021B -	M-1-4!1- O	0 (00)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		07/18/23 16:18	07/23/23 03:57	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/18/23 16:18	07/23/23 03:57	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/18/23 16:18	07/23/23 03:57	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		07/18/23 16:18	07/23/23 03:57	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/18/23 16:18	07/23/23 03:57	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		07/18/23 16:18	07/23/23 03:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			07/18/23 16:18	07/23/23 03:57	1
4.4.Diff	407		70 400			07/40/00 40:40	07/00/00 00:57	

4-Bromofluorobenzene (Surr)	104	70 - 130	07/18/23 16:18	07/23/23 03:57	1
1,4-Difluorobenzene (Surr)	107	70 - 130	07/18/23 16:18	07/23/23 03:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg		_	07/24/23 08:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			07/31/23 15:49	1

Lab Sample ID: 890-4950-18

Client Sample Results

Client: Ensolum Job ID: 890-4950-1 Project/Site: Nash Unit 12 SDG: 03C1558259

Client Sample ID: BH06B

Date Collected: 07/14/23 10:15 Date Received: 07/14/23 14:35

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.4	U	50.4	mg/Kg		07/24/23 17:21	07/29/23 18:14	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.4	U	50.4	mg/Kg		07/24/23 17:21	07/29/23 18:14	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		07/24/23 17:21	07/29/23 18:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130			07/24/23 17:21	07/29/23 18:14	1
o-Terphenyl	114		70 - 130			07/24/23 17:21	07/29/23 18:14	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: BH07 Lab Sample ID: 890-4950-19 Matrix: Solid

Date Collected: 07/14/23 10:20 Date Received: 07/14/23 14:35

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		07/18/23 16:18	07/23/23 04:18	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/18/23 16:18	07/23/23 04:18	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		07/18/23 16:18	07/23/23 04:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/18/23 16:18	07/23/23 04:18	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/18/23 16:18	07/23/23 04:18	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/18/23 16:18	07/23/23 04:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130			07/18/23 16:18	07/23/23 04:18	1
1,4-Difluorobenzene (Surr)	113		70 - 130			07/18/23 16:18	07/23/23 04:18	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/24/23 08:47	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	53.6		49.9	mg/Kg			07/31/23 15:49	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		07/24/23 17:21	07/29/23 18:36	1
Diesel Range Organics (Over C10-C28)	53.6		49.9	mg/Kg		07/24/23 17:21	07/29/23 18:36	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/24/23 17:21	07/29/23 18:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130			07/24/23 17:21	07/29/23 18:36	1
1 Omorocotano								

Client: Ensolum Job ID: 890-4950-1 SDG: 03C1558259 Project/Site: Nash Unit 12

Lab Sample ID: 890-4950-19

Date Collected: 07/14/23 10:20 Date Received: 07/14/23 14:35

Client Sample ID: BH07

Matrix: Solid

Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Cl	hromatography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58600	250	mg/Kg			07/19/23 11:03	50

Client Sample ID: BH07A Lab Sample ID: 890-4950-20

Date Collected: 07/14/23 10:25 Date Received: 07/14/23 14:35

Sample Depth: 1

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		07/18/23 16:18	07/23/23 04:38	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/18/23 16:18	07/23/23 04:38	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/18/23 16:18	07/23/23 04:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/18/23 16:18	07/23/23 04:38	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/18/23 16:18	07/23/23 04:38	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/18/23 16:18	07/23/23 04:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			07/18/23 16:18	07/23/23 04:38	1
1,4-Difluorobenzene (Surr)	110		70 - 130			07/18/23 16:18	07/23/23 04:38	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/24/23 08:47	1
Г.,								

Method: 544846 8015 NM - Diesei I	Range Organi	ics (DRO) (G	L)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			07/31/23 15:49	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		07/24/23 17:21	07/29/23 18:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/24/23 17:21	07/29/23 18:57	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/24/23 17:21	07/29/23 18:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130			07/24/23 17:21	07/29/23 18:57	1
o-Terphenyl	109		70 130			07/24/23 17:21	07/29/23 18:57	1

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49500	248	mg/Kg			07/19/23 11:08	50

Lab Sample ID: 890-4950-21

Client Sample Results

 Client: Ensolum
 Job ID: 890-4950-1

 Project/Site: Nash Unit 12
 SDG: 03C1558259

Client Sample ID: BH07B

Date Collected: 07/14/23 10:30 Date Received: 07/14/23 14:35

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1 F2	0.00199	mg/Kg		07/18/23 16:31	07/23/23 14:34	1
Toluene	< 0.00199	U	0.00199	mg/Kg		07/18/23 16:31	07/23/23 14:34	1
Ethylbenzene	< 0.00199	U F1	0.00199	mg/Kg		07/18/23 16:31	07/23/23 14:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/18/23 16:31	07/23/23 14:34	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		07/18/23 16:31	07/23/23 14:34	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/18/23 16:31	07/23/23 14:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130			07/18/23 16:31	07/23/23 14:34	1
1,4-Difluorobenzene (Surr)	94		70 - 130			07/18/23 16:31	07/23/23 14:34	1
Method: TAL SOP Total BTEX - 1	Γotal BTEX Cal	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/24/23 11:25	1
Analyte Total TPH		Qualifier U		Unit mg/Kg	<u>D</u>	Prepared	Analyzed 07/31/23 15:49	Dil Fac
- -				mg/rtg			01/01/20 10:40	,
Method: SW846 8015B NM - Die	• •	. ,	• •					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.3	U	50.3	mg/Kg		07/24/23 17:29	07/29/23 20:45	
(GKU)-C0-C10								1
Diesel Range Organics (Over	<50.3	U F1	50.3	mg/Kg		07/24/23 17:29	07/29/23 20:45	•
Diesel Range Organics (Over C10-C28)	<50.3 <50.3		50.3 50.3	mg/Kg mg/Kg		07/24/23 17:29 07/24/23 17:29	07/29/23 20:45 07/29/23 20:45	1
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)		U						1
Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)	<50.3	U Qualifier	50.3			07/24/23 17:29	07/29/23 20:45	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<50.3 %Recovery	∪ <i>Qualifier</i>	50.3			07/24/23 17:29 Prepared	07/29/23 20:45 Analyzed	1 1 Dil Fac
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<50.3 **Recovery 134 116	U Qualifier S1+	50.3 Limits 70 - 130 70 - 130			07/24/23 17:29 Prepared 07/24/23 17:29	07/29/23 20:45 Analyzed 07/29/23 20:45	1
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<50.3 **Recovery 134 116 Chromatograp	U Qualifier S1+	50.3 Limits 70 - 130 70 - 130		D	07/24/23 17:29 Prepared 07/24/23 17:29	07/29/23 20:45 Analyzed 07/29/23 20:45	1 1 1 Dil Fac

Client Sample ID: BH08

Date Collected: 07/14/23 10:35 Date Received: 07/14/23 14:35

Sample Depth: 0.5

Method: SW846 8021B - Volatile Organic Compounds (GC) Result Qualifier Analyte RL Unit D Prepared Analyzed Dil Fac Benzene <0.00201 U 0.00201 mg/Kg 07/18/23 16:31 07/23/23 14:54 Toluene <0.00201 U 0.00201 mg/Kg 07/18/23 16:31 07/23/23 14:54 Ethylbenzene <0.00201 U 0.00201 mg/Kg 07/18/23 16:31 07/23/23 14:54 <0.00402 U 0.00402 07/18/23 16:31 07/23/23 14:54 m-Xylene & p-Xylene mg/Kg o-Xylene <0.00201 U 0.00201 07/18/23 16:31 07/23/23 14:54 mg/Kg Xylenes, Total <0.00402 U 0.00402 07/18/23 16:31 07/23/23 14:54 mg/Kg Qualifier Limits Prepared Surrogate %Recovery Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 87 70 - 130 07/18/23 16:31 07/23/23 14:54

Eurofins Carlsbad

Matrix: Solid

Lab Sample ID: 890-4950-22

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4.0

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Job ID: 890-4950-1

Client: Ensolum SDG: 03C1558259 Project/Site: Nash Unit 12

Client Sample ID: BH08 Lab Sample ID: 890-4950-22 Date Collected: 07/14/23 10:35

Date Received: 07/14/23 14:35

Sample Depth: 0.5

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

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1.4-Difluorobenzene (Surr)	98	70 - 130	07/18/23 16:31	07/23/23 14:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402 U	0.00402	ma/Ka			07/24/23 11:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			07/31/23 15:49	1

	Mothod: SW046 904ED NM Diocol Dan	go Organico (DBO) (CC)	v
ı	Method: SW846 8015B NM - Diesel Ran	ge Organics (DRO) (GC)	,

moundar criticisc so real run. Broad	or runge erga		(33)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.6	U	49.6	mg/Kg		07/24/23 17:29	07/29/23 21:49	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.6	U	49.6	mg/Kg		07/24/23 17:29	07/29/23 21:49	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		07/24/23 17:29	07/29/23 21:49	1
Surrogate	%Recovery	Qualifier	l imite			Prenared	Analyzod	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepare	ed An	alyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130	07/24/23	7:29 07/29	/23 21:49	1
o-Terphenyl	122		70 - 130	07/24/23 1	7:29 07/29	/23 21:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifie		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49800	249	mg/Kg			07/19/23 09:54	50

Lab Sample ID: 890-4950-23 Client Sample ID: BH08A **Matrix: Solid**

Date Collected: 07/14/23 10:40 Date Received: 07/14/23 14:35

Sample Depth: 1

ı	Method: SW846 8021B	Maladila Ossasia	O = ==== d= (OO)

Michiga. Offoro ouz ID - folding	c Organic Comp	ounus (CC)	<i>)</i>					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:31	07/23/23 15:14	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:31	07/23/23 15:14	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:31	07/23/23 15:14	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		07/18/23 16:31	07/23/23 15:14	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:31	07/23/23 15:14	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		07/18/23 16:31	07/23/23 15:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130			07/18/23 16:31	07/23/23 15:14	1
1,4-Difluorobenzene (Surr)	104		70 - 130			07/18/23 16:31	07/23/23 15:14	1

Mothod: TAI	SOP Total BTEX - Total BTEX Calculation	

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			07/24/23 11:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			07/31/23 15:49	1

Client: Ensolum Project/Site: Nash Unit 12 SDG: 03C1558259

Client Sample ID: BH08A Lab Sample ID: 890-4950-23

Date Collected: 07/14/23 10:40 Matrix: Solid Date Received: 07/14/23 14:35

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.5	U	50.5	mg/Kg		07/24/23 17:29	07/29/23 22:10	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.5	U	50.5	mg/Kg		07/24/23 17:29	07/29/23 22:10	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		07/24/23 17:29	07/29/23 22:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130			07/24/23 17:29	07/29/23 22:10	1
o-Terphenyl	111		70 - 130			07/24/23 17:29	07/29/23 22:10	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: BH08B Lab Sample ID: 890-4950-24 Matrix: Solid

Date Collected: 07/14/23 13:00

Date Received: 07/14/23 14:35

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:31	07/23/23 15:35	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:31	07/23/23 15:35	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:31	07/23/23 15:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/18/23 16:31	07/23/23 15:35	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:31	07/23/23 15:35	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/18/23 16:31	07/23/23 15:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130			07/18/23 16:31	07/23/23 15:35	1
1,4-Difluorobenzene (Surr)	98		70 - 130			07/18/23 16:31	07/23/23 15:35	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			07/24/23 11:25	1
Mothodi SW946 9045 NM Dioce	l Banga Organ	ico (DBO) (20)					
Method: SW846 8015 NM - Diese	• •	. , ,	•	Unit	n	Prenared	∆ nalvzed	Dil Fac
Analyte	Result	Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed 07/31/23 15:49	Dil Fac
	• •	Qualifier	•	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 07/31/23 15:49	Dil Fac
Analyte	Result < 50.2	Qualifier U	RL 50.2		<u>D</u>	Prepared		
Analyte Total TPH	Result <50.2	Qualifier U	RL 50.2		<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <50.2	Qualifier Unics (DRO) Qualifier	RL 50.2	mg/Kg			07/31/23 15:49	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <50.2 Sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL 50.2 (GC)	mg/Kg		Prepared	07/31/23 15:49 Analyzed	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.2 sel Range Orga Result 	Qualifier U nics (DRO) Qualifier U	RL 50.2 (GC) RL 50.2	mg/Kg Unit mg/Kg		Prepared 07/24/23 17:29	07/31/23 15:49 Analyzed 07/29/23 22:31	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result	Qualifier U nics (DRO) Qualifier U U	RL 50.2 (GC) RL 50.2 50.2	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:29 07/24/23 17:29	07/31/23 15:49 Analyzed 07/29/23 22:31 07/29/23 22:31	1 Dil Fac 1 1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result	Qualifier U nics (DRO) Qualifier U U	RL 50.2 (GC) RL 50.2 50.2	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:29 07/24/23 17:29 07/24/23 17:29	07/31/23 15:49 Analyzed 07/29/23 22:31 07/29/23 22:31	1 Dil Fac 1

Matrix: Solid

Lab Sample ID: 890-4950-24

Client: Ensolum Project/Site: Nash Unit 12 SDG: 03C1558259

Client Sample ID: BH08B

Date Collected: 07/14/23 13:00 Date Received: 07/14/23 14:35

Sample Depth: 2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	50400		250	mg/Kg			07/19/23 10:06	50

Client Sample ID: BH09 Lab Sample ID: 890-4950-25 Matrix: Solid

Date Collected: 07/14/23 10:45 Date Received: 07/14/23 14:35

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		07/18/23 16:31	07/23/23 15:55	
Toluene	< 0.00199	U	0.00199	mg/Kg		07/18/23 16:31	07/23/23 15:55	
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		07/18/23 16:31	07/23/23 15:55	
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/18/23 16:31	07/23/23 15:55	
o-Xylene	< 0.00199	U	0.00199	mg/Kg		07/18/23 16:31	07/23/23 15:55	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/18/23 16:31	07/23/23 15:55	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	86		70 - 130			07/18/23 16:31	07/23/23 15:55	
1,4-Difluorobenzene (Surr)	102		70 - 130			07/18/23 16:31	07/23/23 15:55	
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/24/23 11:25	
Method: SW846 8015 NM - Diese Analyte	•	ics (DRO) ((GC)	Unit	D	Prepared		Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH	•	Qualifier	•		<u>D</u>	Prepared	Analyzed 07/31/23 15:49	
Analyte Total TPH	Result <50.1	Qualifier U	50.1	Unit	<u>D</u>	Prepared	Analyzed	
Analyte Total TPH Method: SW846 8015B NM - Die	Result <50.1 sel Range Orga	Qualifier U	50.1	Unit	<u>D</u>	Prepared	Analyzed 07/31/23 15:49	
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	Result <50.1 sel Range Orga	Qualifier Unics (DRO) Qualifier	RL 50.1	Unit mg/Kg			Analyzed	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.1 sel Range Orga Result <50.1	Qualifier U nics (DRO) Qualifier U	RL 50.1 (GC) RL 50.1	Unit mg/Kg Unit mg/Kg		Prepared 07/24/23 17:29	Analyzed 07/31/23 15:49 Analyzed 07/29/23 22:53	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.1 sel Range Orga	Qualifier U nics (DRO) Qualifier U	RL	Unit mg/Kg		Prepared	Analyzed 07/31/23 15:49 Analyzed	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.1 sel Range Orga Result <50.1	Qualifier U nics (DRO) Qualifier U	RL 50.1 (GC) RL 50.1	Unit mg/Kg Unit mg/Kg		Prepared 07/24/23 17:29	Analyzed 07/31/23 15:49 Analyzed 07/29/23 22:53	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.1	Qualifier U nics (DRO) Qualifier U U	RL 50.1 (GC) RL 50.1 50.1	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:29 07/24/23 17:29	Analyzed 07/31/23 15:49 Analyzed 07/29/23 22:53 07/29/23 22:53	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.1	Qualifier U nics (DRO) Qualifier U U	RL 50.1 (GC) RL 50.1 50.1 50.1	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:29 07/24/23 17:29 07/24/23 17:29	Analyzed 07/31/23 15:49 Analyzed 07/29/23 22:53 07/29/23 22:53	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <50.1	Qualifier U nics (DRO) Qualifier U U	RL 50.1 (GC) RL 50.1 50.1 50.1 Limits	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:29 07/24/23 17:29 07/24/23 17:29 Prepared	Analyzed 07/31/23 15:49 Analyzed 07/29/23 22:53 07/29/23 22:53 Analyzed	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <50.1	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 50.1 (GC) RL 50.1 50.1 50.1 Limits 70 - 130 70 - 130	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:29 07/24/23 17:29 07/24/23 17:29 Prepared 07/24/23 17:29	Analyzed 07/31/23 15:49 Analyzed 07/29/23 22:53 07/29/23 22:53 Analyzed 07/29/23 22:53	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 50.1 (GC) RL 50.1 50.1 50.1 Limits 70 - 130 70 - 130	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:29 07/24/23 17:29 07/24/23 17:29 Prepared 07/24/23 17:29	Analyzed 07/31/23 15:49 Analyzed 07/29/23 22:53 07/29/23 22:53 Analyzed 07/29/23 22:53	Dil Fa

Lab Sample ID: 890-4950-26

Job ID: 890-4950-1

Client: Ensolum Project/Site: Nash Unit 12 SDG: 03C1558259

Client Sample ID: BH09A

Date Collected: 07/14/23 10:50 Date Received: 07/14/23 14:35

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		07/18/23 16:31	07/23/23 16:16	1
Toluene	<0.00198	U	0.00198	mg/Kg		07/18/23 16:31	07/23/23 16:16	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/18/23 16:31	07/23/23 16:16	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		07/18/23 16:31	07/23/23 16:16	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/18/23 16:31	07/23/23 16:16	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		07/18/23 16:31	07/23/23 16:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			07/18/23 16:31	07/23/23 16:16	1
1,4-Difluorobenzene (Surr)	103		70 - 130			07/18/23 16:31	07/23/23 16:16	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00396	U	0.00396	mg/Kg			07/24/23 11:25	1
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.4		49.8	mg/Kg			07/31/23 15:49	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		07/24/23 17:29	07/29/23 23:14	1
Diesel Range Organics (Over C10-C28)	51.4		49.8	mg/Kg		07/24/23 17:29	07/29/23 23:14	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/24/23 17:29	07/29/23 23:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
			70 - 130			07/24/23 17:29	07/29/23 23:14	
1-Chlorooctane	114		10 - 130			0.72 #20 11.20	01/29/23 23.14	1
	114 102		70 ₋ 130			07/24/23 17:29	07/29/23 23:14	•
o-Terphenyl	102	ohy - Solubl	70 - 130					1
1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte	102 Chromatograp	ohy - Solubl Qualifier	70 - 130	Unit	<u>D</u>			-

Client Sample ID: BH09B

Date Collected: 07/14/23 10:55

Date Received: 07/14/23 14:35

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		07/18/23 16:31	07/23/23 16:36	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/18/23 16:31	07/23/23 16:36	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/18/23 16:31	07/23/23 16:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/18/23 16:31	07/23/23 16:36	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/18/23 16:31	07/23/23 16:36	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/18/23 16:31	07/23/23 16:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130			07/18/23 16:31	07/23/23 16:36	1

Eurofins Carlsbad

Lab Sample ID: 890-4950-27 **Matrix: Solid**

Matrix: Solid

Lab Sample ID: 890-4950-27

Client: Ensolum Project/Site: Nash Unit 12 SDG: 03C1558259

Client Sample ID: BH09B

Date Collected: 07/14/23 10:55 Date Received: 07/14/23 14:35

Sample Depth: 2

Method: SW846 8021B - Volatile	Organic Compoun	nds (GC) (Continued)
modification of the country	, organic compoun	

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1.4-Difluorobenzene (Surr)	98	70 - 130	07/18/23 16:31	07/23/23 16:36	1

Mathad, TAI	COD Total DTEV	Total DTCV	Calaulatian
Method. IAL	. SOP Total BTEX	- IUIAI DIEA	Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			07/24/23 11:25	1

Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6 l	U	49.6	mg/Kg			07/31/23 15:49	1

Method: SW846 8015B NM - Diesel Range Organics	(DRO)	(GC)	١
motified. Offerto College Ithin Biodol Rungo Organico	(5.10)	, , , , ,	,

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		07/24/23 17:29	07/29/23 23:35	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		07/24/23 17:29	07/29/23 23:35	1
Oll Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		07/24/23 17:29	07/29/23 23:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130	07/24/23 17:2	29 07/29/23 23:35	1
o-Terphenyl	122		70 - 130	07/24/23 17:3	9 07/29/23 23:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43900		253	mg/Kg			07/19/23 10:37	50

Client Sample ID: BH10 Lab Sample ID: 890-4950-28 Matrix: Solid

Date Collected: 07/14/23 11:00 Date Received: 07/14/23 14:35

Sample Depth: 0.5

Method: SW846 8021B -	M-1-4!1- O	0 (00)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:31	07/23/23 16:57	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:31	07/23/23 16:57	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:31	07/23/23 16:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/18/23 16:31	07/23/23 16:57	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:31	07/23/23 16:57	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/18/23 16:31	07/23/23 16:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			07/18/23 16:31	07/23/23 16:57	1
4.4.Diff	00		70 400			07/40/02 40:24	07/02/02 16:57	1

4-Bromofluorobenzene (Surr)	99	70 - 130	07/18/23 16:31	07/23/23 16:57	1
1,4-Difluorobenzene (Surr)	96	70 - 130	07/18/23 16:31	07/23/23 16:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg		_	07/24/23 11:25	1

Method: SW846 8015 NM - Diesel Range Organi	ics (DRO)	(GC)
mictriod. Offorto out of this - Dieser Range Organi	ica (Dito)	1001

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0 U	50.0	mg/Kg			07/31/23 15:49	1

Job ID: 890-4950-1 SDG: 03C1558259

Project/Site: Nash Unit 12 **Client Sample ID: BH10** Lab Sample ID: 890-4950-28

Date Collected: 07/14/23 11:00 Matrix: Solid Date Received: 07/14/23 14:35

Sample Depth: 0.5

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		07/24/23 17:29	07/29/23 23:56	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		07/24/23 17:29	07/29/23 23:56	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/24/23 17:29	07/29/23 23:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130			07/24/23 17:29	07/29/23 23:56	1
o-Terphenyl	112		70 - 130			07/24/23 17:29	07/29/23 23:56	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46700		250	mg/Kg			07/19/23 10:43	50

Client Sample ID: BH10A Lab Sample ID: 890-4950-29 Matrix: Solid

Date Collected: 07/14/23 11:05 Date Received: 07/14/23 14:35

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:31	07/23/23 17:17	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:31	07/23/23 17:17	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:31	07/23/23 17:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/18/23 16:31	07/23/23 17:17	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:31	07/23/23 17:17	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/18/23 16:31	07/23/23 17:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130			07/18/23 16:31	07/23/23 17:17	1
1,4-Difluorobenzene (Surr)	104		70 - 130			07/18/23 16:31	07/23/23 17:17	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			07/24/23 11:25	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3	mg/Kg			07/31/23 15:49	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3	mg/Kg		07/24/23 17:29	07/30/23 00:17	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	mg/Kg		07/24/23 17:29	07/30/23 00:17	1
Oll Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		07/24/23 17:29	07/30/23 00:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	204	S1+	70 - 130			07/24/23 17:29	07/30/23 00:17	1

4950-1

Client: Ensolum Project/Site: Nash Unit 12 Job ID: 890-4950-1 SDG: 03C1558259

Lab Sample ID: 890-4950-29

Matrix: Solid

Client Sample ID: BH10A Date Collected: 07/14/23 11:05

Date Received: 07/14/23 14:35

Sample Depth: 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
4	nalyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	36600		248	mg/Kg			07/19/23 10:50	50

Client Sample ID: BH10B

Date Collected: 07/14/23 11:10

Lab Sample ID: 890-4950-30

Matrix: Solid

Date Collected: 07/14/23 11:10 Date Received: 07/14/23 14:35

Sample Depth: 2

Total BTEX

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		07/18/23 16:31	07/23/23 17:37	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/18/23 16:31	07/23/23 17:37	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/18/23 16:31	07/23/23 17:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/18/23 16:31	07/23/23 17:37	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/18/23 16:31	07/23/23 17:37	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/18/23 16:31	07/23/23 17:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			07/18/23 16:31	07/23/23 17:37	1
1,4-Difluorobenzene (Surr)	104		70 - 130			07/18/23 16:31	07/23/23 17:37	1

Method: SW846 8015 NM - Die Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Allalyte	Nesuit	Qualifier				riepaieu	Allalyzeu	
Total TPH	<50.4	U	50.4	mg/Kg			07/31/23 15:49	1
Method: SW846 8015B NM - D	iesel Range Orga	nics (DRO) (C	GC)					

0.00398

Unit

mg/Kg

Prepared

Analyzed

07/24/23 11:25

Dil Fac

Result Qualifier

<0.00398 U

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4	mg/Kg		07/24/23 17:29	07/30/23 00:39	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4	mg/Kg		07/24/23 17:29	07/30/23 00:39	1
Oll Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		07/24/23 17:29	07/30/23 00:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130			07/24/23 17:29	07/30/23 00:39	1
o-Terphenyl	119		70 - 130			07/24/23 17:29	07/30/23 00:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble								
	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	34000	248	mg/Kg			07/19/23 10:56	50

Lab Sample ID: 890-4950-31

Client: Ensolum Job ID: 890-4950-1 Project/Site: Nash Unit 12 SDG: 03C1558259

Client Sample ID: BH11

Date Collected: 07/14/23 11:15 Date Received: 07/14/23 14:35

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:31	07/23/23 19:29	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:31	07/23/23 19:29	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:31	07/23/23 19:29	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		07/18/23 16:31	07/23/23 19:29	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:31	07/23/23 19:29	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		07/18/23 16:31	07/23/23 19:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130			07/18/23 16:31	07/23/23 19:29	1
1,4-Difluorobenzene (Surr)	99		70 - 130			07/18/23 16:31	07/23/23 19:29	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00401	U	0.00401	mg/Kg			07/24/23 11:25	1
Method: SW846 8015 NM - Diese Analyte	•	ics (DRO) (Qualifier	GC) RL	Unit	D	Duamawad		
				Oilit	U	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg		Prepared	07/31/23 15:49	
			50.1		=	Prepared		
Method: SW846 8015B NM - Dies	sel Range Orga		50.1		D	Prepared		1
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	sel Range Orga	nics (DRO) Qualifier	50.1 (GC)	mg/Kg			07/31/23 15:49	1 Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Orga Result	nics (DRO) Qualifier	50.1 (GC)	mg/Kg		Prepared	07/31/23 15:49 Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Orga Result <50.1	nics (DRO) Qualifier U	50.1 (GC) RL 50.1	mg/Kg Unit mg/Kg		Prepared 07/24/23 17:29	07/31/23 15:49 Analyzed 07/30/23 01:21	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Orga Result <50.1	nics (DRO) Qualifier U U	50.1 (GC) RL 50.1 50.1	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:29 07/24/23 17:29	07/31/23 15:49 Analyzed 07/30/23 01:21 07/30/23 01:21	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	sel Range Orga Result <50.1 <50.1	nics (DRO) Qualifier U U	50.1 (GC) RL 50.1 50.1 50.1	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:29 07/24/23 17:29 07/24/23 17:29	07/31/23 15:49 Analyzed 07/30/23 01:21 07/30/23 01:21	Dil Face 1 1 1 Dil Face
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	sel Range Orga Result <50.1 <50.1 <50.1 %Recovery	nics (DRO) Qualifier U U	50.1 (GC) RL 50.1 50.1 50.1 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:29 07/24/23 17:29 07/24/23 17:29 Prepared	07/31/23 15:49 Analyzed 07/30/23 01:21 07/30/23 01:21 07/30/23 01:21 Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Sel Range Orga Result <50.1 <50.1 <50.1 <50.1	U Qualifier U Qualifier	50.1 (GC) RL 50.1 50.1 50.1 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:29 07/24/23 17:29 07/24/23 17:29 Prepared 07/24/23 17:29	07/31/23 15:49 Analyzed 07/30/23 01:21 07/30/23 01:21 Analyzed 07/30/23 01:21	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Sel Range Orga Result	U Qualifier U Qualifier	50.1 (GC) RL 50.1 50.1 50.1 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:29 07/24/23 17:29 07/24/23 17:29 Prepared 07/24/23 17:29	07/31/23 15:49 Analyzed 07/30/23 01:21 07/30/23 01:21 Analyzed 07/30/23 01:21	Dil Face 1 Dil Face 1 Dil Face 1 Dil Face 500

Client Sample ID: BH11A

Date Collected: 07/14/23 11:20 Date Received: 07/14/23 14:35

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		07/18/23 16:31	07/23/23 19:49	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/18/23 16:31	07/23/23 19:49	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/18/23 16:31	07/23/23 19:49	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		07/18/23 16:31	07/23/23 19:49	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/18/23 16:31	07/23/23 19:49	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		07/18/23 16:31	07/23/23 19:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130			07/18/23 16:31	07/23/23 19:49	1

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Lab Sample ID: 890-4950-32

Matrix: Solid

Lab Sample ID: 890-4950-32

Client Sample Results

 Client: Ensolum
 Job ID: 890-4950-1

 Project/Site: Nash Unit 12
 SDG: 03C1558259

Client Sample ID: BH11A

Date Collected: 07/14/23 11:20 Date Received: 07/14/23 14:35

Sample Depth: 1

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

Surrogate	%Recovery Qua	ıalifier Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	99	70 - 130	07/18/23 16:31	07/23/23 19:49	1

Method: TAI	SOP Total BTEX	- Total BTFX	Calculation
Mictilou. IAL	- OOI TOTAL DIEA	- IOLAI DIEX	Oulculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			07/24/23 11:25	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg		<u> </u>	07/31/23 15:49	1

Method: SW846 8015B NM - Diesel Range Organics	(DRO)	(GC)	١
motified. Offerto College Ithin Biodol Rungo Organico	(5.10)	, , , , ,	,

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	mg/Kg		07/24/23 17:29	07/30/23 01:42	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		07/24/23 17:29	07/30/23 01:42	1
Oll Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		07/24/23 17:29	07/30/23 01:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130	07/24/23 17:2	9 07/30/23 01:42	1
o-Terphenyl	116		70 - 130	07/24/23 17:2	9 07/30/23 01:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32200	249	mg/Kg			07/19/23 11:20	50

Client Sample ID: BH11B

Date Collected: 07/14/23 11:25

Lab Sample ID: 890-4950-33

Matrix: Solid

Date Collected: 07/14/23 11:25 Date Received: 07/14/23 14:35

Sample Depth: 2

ı	Method: SW846 8021B	Valatila Ossasia	O = (OO)

motifica. Offoro COLID Tolutile	organio comp	ounus (oo	,					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		07/18/23 16:31	07/23/23 20:09	1
Toluene	<0.00198	U	0.00198	mg/Kg		07/18/23 16:31	07/23/23 20:09	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/18/23 16:31	07/23/23 20:09	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		07/18/23 16:31	07/23/23 20:09	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/18/23 16:31	07/23/23 20:09	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		07/18/23 16:31	07/23/23 20:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130			07/18/23 16:31	07/23/23 20:09	1
1,4-Difluorobenzene (Surr)	101		70 - 130			07/18/23 16:31	07/23/23 20:09	1

Mothod: TAL SOP Total RTEY - Total RTEY Calculation	

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00396	U	0.00396	mg/Kg			07/24/23 11:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC	Method:	: SW846 8015 N	M - Diesel Rang	e Organics	(DRO)	(GC
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Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			07/31/23 15:49	1

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Lab Sample ID: 890-4950-33

Client Sample Results

Client: Ensolum Job ID: 890-4950-1 Project/Site: Nash Unit 12 SDG: 03C1558259

Client Sample ID: BH11B

Date Collected: 07/14/23 11:25 Date Received: 07/14/23 14:35

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	mg/Kg		07/24/23 17:29	07/30/23 02:03	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		07/24/23 17:29	07/30/23 02:03	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/24/23 17:29	07/30/23 02:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130			07/24/23 17:29	07/30/23 02:03	1
o-Terphenyl	107		70 - 130			07/24/23 17:29	07/30/23 02:03	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	le					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: BH12 Lab Sample ID: 890-4950-34 Matrix: Solid

Date Collected: 07/14/23 11:30 Date Received: 07/14/23 14:35

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		07/18/23 16:31	07/23/23 20:30	1
Toluene	< 0.00199	U	0.00199	mg/Kg		07/18/23 16:31	07/23/23 20:30	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		07/18/23 16:31	07/23/23 20:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/18/23 16:31	07/23/23 20:30	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		07/18/23 16:31	07/23/23 20:30	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/18/23 16:31	07/23/23 20:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130			07/18/23 16:31	07/23/23 20:30	1
1,4-Difluorobenzene (Surr)	101		70 - 130			07/18/23 16:31	07/23/23 20:30	1
Method: TAL SOP Total BTEX - 1								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/24/23 11:25	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			07/31/23 15:49	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		07/24/23 17:29	07/30/23 02:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		07/24/23 17:29	07/30/23 02:25	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/24/23 17:29	07/30/23 02:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130			07/24/23 17:29	07/30/23 02:25	1

Client: Ensolum Project/Site: Nash Unit 12 SDG: 03C1558259

Lab Sample ID: 890-4950-34

Date Collected: 07/14/23 11:30 Date Received: 07/14/23 14:35

Client Sample ID: BH12

Matrix: Solid

Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble								
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	25700	252	mg/Kg			07/19/23 11:45	50	

Client Sample ID: BH12A Lab Sample ID: 890-4950-35 Matrix: Solid

Date Collected: 07/14/23 11:35

Date Received: 07/14/23 14:35

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00198	U	0.00198	mg/Kg		07/18/23 16:31	07/23/23 20:50	
Toluene	<0.00198	U	0.00198	mg/Kg		07/18/23 16:31	07/23/23 20:50	,
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/18/23 16:31	07/23/23 20:50	
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		07/18/23 16:31	07/23/23 20:50	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/18/23 16:31	07/23/23 20:50	
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		07/18/23 16:31	07/23/23 20:50	,
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130			07/18/23 16:31	07/23/23 20:50	1
1,4-Difluorobenzene (Surr)	102		70 - 130			07/18/23 16:31	07/23/23 20:50	1
Method: TAL SOP Total BTEX - T	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			07/24/23 11:25	1
		ics (DRO) (0	30)					
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	•	Qualifier	•	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 07/31/23 15:49	
Total TPH		Qualifier U	RL 49.7		<u>D</u>	Prepared		
Total TPH Method: SW846 8015B NM - Dies	Result <49.7	Qualifier U	RL 49.7		<u>D</u>	Prepared Prepared		1
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <49.7	Qualifier Unics (DRO) Qualifier	RL 49.7 (GC)	mg/Kg			07/31/23 15:49	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.7 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL 49.7 (GC)	mg/Kg		Prepared	07/31/23 15:49 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)	Result 49.7 sel Range Orga Result <49.7	Qualifier U nics (DRO) Qualifier U	RL 49.7 (GC) RL 49.7	mg/Kg Unit mg/Kg		Prepared 07/24/23 17:29	07/31/23 15:49 Analyzed 07/30/23 02:46	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.7 sel Range Orga Result <49.7 <49.7	Qualifier U nics (DRO) Qualifier U U	RL 49.7 (GC) RL 49.7 49.7	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:29 07/24/23 17:29	07/31/23 15:49 Analyzed 07/30/23 02:46 07/30/23 02:46	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result	Qualifier U nics (DRO) Qualifier U U	RL 49.7 (GC) RL 49.7 49.7 49.7	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:29 07/24/23 17:29 07/24/23 17:29	07/31/23 15:49 Analyzed 07/30/23 02:46 07/30/23 02:46	Dil Face
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result	Qualifier U nics (DRO) Qualifier U U	RL 49.7 (GC) RL 49.7 49.7 49.7 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:29 07/24/23 17:29 07/24/23 17:29 Prepared	07/31/23 15:49 Analyzed 07/30/23 02:46 07/30/23 02:46 07/30/23 02:46 Analyzed	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <49.7	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 49.7 (GC) RL 49.7 49.7 49.7 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:29 07/24/23 17:29 07/24/23 17:29 Prepared 07/24/23 17:29	07/31/23 15:49 Analyzed 07/30/23 02:46 07/30/23 02:46 Analyzed 07/30/23 02:46	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 49.7 (GC) RL 49.7 49.7 49.7 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:29 07/24/23 17:29 07/24/23 17:29 Prepared 07/24/23 17:29	07/31/23 15:49 Analyzed 07/30/23 02:46 07/30/23 02:46 Analyzed 07/30/23 02:46	Dil Fac

Lab Sample ID: 890-4950-36

Client Sample Results

 Client: Ensolum
 Job ID: 890-4950-1

 Project/Site: Nash Unit 12
 SDG: 03C1558259

Client Sample ID: BH12B

Date Collected: 07/14/23 11:40 Date Received: 07/14/23 14:35

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:31	07/23/23 21:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:31	07/23/23 21:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:31	07/23/23 21:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/18/23 16:31	07/23/23 21:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:31	07/23/23 21:11	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/18/23 16:31	07/23/23 21:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130			07/18/23 16:31	07/23/23 21:11	1
1,4-Difluorobenzene (Surr)	107		70 - 130			07/18/23 16:31	07/23/23 21:11	1
- Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			07/24/23 11:25	1
Mothod: SW046 9045 NM Diggs	ol Banga Organ	ioo (DBO) (20)					
Method: SW846 8015 NM - Diese Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3		50.3	mg/Kg	— <u>-</u>		07/31/23 15:49	1
				3 3				
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	1114	_			
				Unit	D	Prepared	Analyzed	Dil Fac
5 5	<50.3	U	50.3	mg/Kg	— Б	07/24/23 17:29	Analyzed 07/30/23 03:07	
(GRO)-C6-C10 Diesel Range Organics (Over					<u> </u>			1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.3 <50.3	U	50.3	mg/Kg		07/24/23 17:29 07/24/23 17:29	07/30/23 03:07 07/30/23 03:07	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	mg/Kg		07/24/23 17:29	07/30/23 03:07	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.3 <50.3	U U Qualifier	50.3 50.3 50.3 <i>Limits</i>	mg/Kg	Б	07/24/23 17:29 07/24/23 17:29 07/24/23 17:29 <i>Prepared</i>	07/30/23 03:07 07/30/23 03:07 07/30/23 03:07 Analyzed	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)	<50.3 <50.3 <50.3	U U Qualifier	50.3 50.3 50.3	mg/Kg	Б	07/24/23 17:29 07/24/23 17:29 07/24/23 17:29	07/30/23 03:07 07/30/23 03:07 07/30/23 03:07	1 1 1 <i>Dil Fac</i>
	<50.3 <50.3 <50.3 < %Recovery	U U Qualifier	50.3 50.3 50.3 <i>Limits</i>	mg/Kg		07/24/23 17:29 07/24/23 17:29 07/24/23 17:29 <i>Prepared</i>	07/30/23 03:07 07/30/23 03:07 07/30/23 03:07 Analyzed	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<50.3 <50.3 <50.3 %Recovery 185 168	U Qualifier S1+ S1+	50.3 50.3 50.3 Limits 70 - 130 70 - 130	mg/Kg	บ	07/24/23 17:29 07/24/23 17:29 07/24/23 17:29 Prepared 07/24/23 17:29	07/30/23 03:07 07/30/23 03:07 07/30/23 03:07 Analyzed 07/30/23 03:07	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<50.3 <50.3 <50.3 <50.3 %Recovery 185 168 Chromatograp	U Qualifier S1+ S1+	50.3 50.3 50.3 Limits 70 - 130 70 - 130	mg/Kg	<u>U</u>	07/24/23 17:29 07/24/23 17:29 07/24/23 17:29 Prepared 07/24/23 17:29	07/30/23 03:07 07/30/23 03:07 07/30/23 03:07 Analyzed 07/30/23 03:07	Dil Fac

Client Sample ID: BH13

Date Collected: 07/14/23 11:45

Date Received: 07/14/23 14:35
Sample Depth: 0.5

Matrix: Solid

Lab Sample ID: 890-4950-37

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		07/18/23 16:31	07/23/23 21:31	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/18/23 16:31	07/23/23 21:31	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/18/23 16:31	07/23/23 21:31	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		07/18/23 16:31	07/23/23 21:31	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/18/23 16:31	07/23/23 21:31	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		07/18/23 16:31	07/23/23 21:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130			07/18/23 16:31	07/23/23 21:31	1

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/24/2022

Client: Ensolum Project/Site: Nash Unit 12 SDG: 03C1558259

Client Sample ID: BH13 Lab Sample ID: 890-4950-37 Date Collected: 07/14/23 11:45

Matrix: Solid Date Received: 07/14/23 14:35 Sample Depth: 0.5

Method: SW846 8021B	Volatile Organic Compounds	(GC) (Continued)
	Totalia organic compound	, (00) (00

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	106	70 - 130	07/18/23 16:31	07/23/23 21:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation
motifical interest foral Bilent foral Bilent Galloulation

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404 U	0.00404	ma/Ka			07/24/23 11:25	1

Mathed CMO4C CO4F NM Discal Dance Occasion (DDO) (O)	△ \
Method: SW846 8015 NM - Diesel Range Organics (DRO) (G	

Analyte	Result Qu	ualifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5 U	50.5	mg/Kg			07/31/23 15:49	1

Method: SW846 8015B NM - Diesel Range Organics	(DRO)	(GC)	١
motified. Offerto College Ithin Biodol Rungo Organico	(5.10)	, , , , ,	,

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5	mg/Kg		07/24/23 17:29	07/30/23 03:28	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		07/24/23 17:29	07/30/23 03:28	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		07/24/23 17:29	07/30/23 03:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130	07/24/23 17:29	07/30/23 03:28	1
o-Terphenyl	133	S1+	70 - 130	07/24/23 17:29	07/30/23 03:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19400	248	mg/Kg		_	07/19/23 12:03	50

Client Sample ID: BH13A Lab Sample ID: 890-4950-38 Matrix: Solid

Date Collected: 07/14/23 11:50 Date Received: 07/14/23 14:35

Sample Depth: 1

Mothodi	CIMOAC GOOAD	Valatile Or	ganic Compour	de (CC)
i wethod:	5W846 8U21B	- volatile Ur	danic Compour	ias (GC)

motifica. Offorto COLID Total	no Organio Comp	ounas (SS)	,					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		07/18/23 16:31	07/23/23 21:51	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/18/23 16:31	07/23/23 21:51	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/18/23 16:31	07/23/23 21:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/18/23 16:31	07/23/23 21:51	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/18/23 16:31	07/23/23 21:51	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/18/23 16:31	07/23/23 21:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130			07/18/23 16:31	07/23/23 21:51	1
1.4 Diffuorobenzene (Surr)	105		70 130			07/18/22 16:21	07/22/22 21:51	1

4-bromonuorobenzene (Surr)	07	70 - 130	07/10/23 10.31	07/23/23 21.51	ı
1,4-Difluorobenzene (Surr)	105	70 - 130	07/18/23 16:31	07/23/23 21:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	DII Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg		_	07/24/23 11:25	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			07/31/23 15:49	1

Lab Sample ID: 890-4950-38

Lab Sample ID: 890-4950-39

Matrix: Solid

Client Sample Results

Client: Ensolum Job ID: 890-4950-1 Project/Site: Nash Unit 12 SDG: 03C1558259

Client Sample ID: BH13A

Date Collected: 07/14/23 11:50 Date Received: 07/14/23 14:35

Sample Depth: 1

Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/24/23 17:29	07/30/23 03:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/24/23 17:29	07/30/23 03:49	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/24/23 17:29	07/30/23 03:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	150	S1+	70 - 130			07/24/23 17:29	07/30/23 03:49	1
o-Terphenyl	139	S1+	70 - 130			07/24/23 17:29	07/30/23 03:49	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20000		252	mg/Kg			07/19/23 12:09	50

Client Sample ID: BH13B

Date Collected: 07/14/23 11:55

Date Received: 07/14/23 14:35

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		07/18/23 16:31	07/23/23 22:12	1
Toluene	<0.00198	U	0.00198	mg/Kg		07/18/23 16:31	07/23/23 22:12	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/18/23 16:31	07/23/23 22:12	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		07/18/23 16:31	07/23/23 22:12	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/18/23 16:31	07/23/23 22:12	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		07/18/23 16:31	07/23/23 22:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130			07/18/23 16:31	07/23/23 22:12	1
1,4-Difluorobenzene (Surr)	105		70 - 130			07/18/23 16:31	07/23/23 22:12	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			07/24/23 11:25	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			07/31/23 15:49	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4	mg/Kg		07/24/23 17:29	07/30/23 04:10	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4	mg/Kg		07/24/23 17:29	07/30/23 04:10	1
Oll Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		07/24/23 17:29	07/30/23 04:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
			70 - 130			07/24/23 17:29	07/30/23 04:10	1
1-Chlorooctane	118		70 - 130			01/24/23 11.29	07/30/23 04.10	1

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7/31/2023

Lab Sample ID: 890-4950-39

Job ID: 890-4950-1 SDG: 03C1558259

Project/Site: Nash Unit 12

Client Sample ID: BH13B

Date Collected: 07/14/23 11:55 Date Received: 07/14/23 14:35

Sample Depth: 2

Client: Ensolum

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	23200		248	mg/Kg			07/19/23 12:16	50	

Client Sample ID: BH14

Date Collected: 07/14/23 12:00

Lab Sample ID: 890-4950-40

Matrix: Solid

Date Collected: 07/14/23 12:00 Date Received: 07/14/23 14:35

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		07/18/23 16:31	07/23/23 22:32	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/18/23 16:31	07/23/23 22:32	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/18/23 16:31	07/23/23 22:32	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		07/18/23 16:31	07/23/23 22:32	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/18/23 16:31	07/23/23 22:32	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		07/18/23 16:31	07/23/23 22:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130			07/18/23 16:31	07/23/23 22:32	1
1,4-Difluorobenzene (Surr)	104		70 - 130			07/18/23 16:31	07/23/23 22:32	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			07/24/23 11:25	1
Analyte Total TPH		Qualifier U	49.7	mg/Kg	<u>D</u>	Prepared	Analyzed 07/31/23 15:49	Dil Fac
Method: SW846 8015B NM - Dies			(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		07/24/23 17:29	07/30/23 04:31	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		07/24/23 17:29	07/30/23 04:31	1
Oll Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		07/24/23 17:29	07/30/23 04:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130			07/24/23 17:29	07/30/23 04:31	1
o-Terphenyl	120		70 - 130			07/24/23 17:29	07/30/23 04:31	1
· · · · · · · · · · · · · · · · · · ·								
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
	• •	hy - Solubl Qualifier	e RL	Unit	D	Prepared	Analyzed	Dil Fac

Lab Sample ID: 890-4950-41

Client Sample Results

Client: Ensolum Job ID: 890-4950-1 Project/Site: Nash Unit 12 SDG: 03C1558259

Client Sample ID: BH14A

Date Collected: 07/14/23 12:05 Date Received: 07/14/23 14:35

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *1	0.00201	mg/Kg		07/20/23 13:55	07/22/23 12:46	1
Toluene	<0.00201	U *- *1	0.00201	mg/Kg		07/20/23 13:55	07/22/23 12:46	1
Ethylbenzene	<0.00201	U *- *1	0.00201	mg/Kg		07/20/23 13:55	07/22/23 12:46	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402	mg/Kg		07/20/23 13:55	07/22/23 12:46	1
o-Xylene	<0.00201	U *- *1	0.00201	mg/Kg		07/20/23 13:55	07/22/23 12:46	1
Xylenes, Total	<0.00402	U *- *1	0.00402	mg/Kg		07/20/23 13:55	07/22/23 12:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			07/20/23 13:55	07/22/23 12:46	1
1,4-Difluorobenzene (Surr)	99		70 - 130			07/20/23 13:55	07/22/23 12:46	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			07/24/23 09:06	1
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH				Unit mg/Kg	D	Prepared	Analyzed 07/31/23 16:01	Dil Fac
Total TPH	<50.2	U	50.2		<u>D</u>	Prepared		Dil Fac
	<50.2	U	50.2		D 	Prepared Prepared		1
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	<50.2	nics (DRO) Qualifier	50.2 (GC)	mg/Kg		<u> </u>	07/31/23 16:01	1 Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<50.2 sel Range Orga Result	Unics (DRO) Qualifier	50.2 (GC)	mg/Kg		Prepared	07/31/23 16:01 Analyzed	Dil Fac
Total TPH Method: SW846 8015B NM - Dies	<50.2 sel Range Orga Result <50.2	Unics (DRO) Qualifier U	50.2 (GC) RL 50.2	mg/Kg Unit mg/Kg		Prepared 07/24/23 17:37	07/31/23 16:01 Analyzed 07/30/23 10:53	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.2 sel Range Orga Result <50.2 <50.2	Unics (DRO) Qualifier U	50.2 (GC) RL 50.2 50.2	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:37 07/24/23 17:37	07/31/23 16:01 Analyzed 07/30/23 10:53 07/30/23 10:53	1 Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<50.2 sel Range Orga Result <50.2 <50.2 <50.2 %Recovery	Unics (DRO) Qualifier U	50.2 (GC) RL 50.2 50.2 50.2	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:37 07/24/23 17:37 07/24/23 17:37	07/31/23 16:01 Analyzed 07/30/23 10:53 07/30/23 10:53	Dil Face 1 1 1 Dil Face
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<50.2 sel Range Orga Result <50.2 <50.2 <50.2 <50.2 %Recovery 142	U nics (DRO) Qualifier U U Qualifier	50.2 (GC) RL 50.2 50.2 50.2 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:37 07/24/23 17:37 07/24/23 17:37 Prepared	07/31/23 16:01 Analyzed 07/30/23 10:53 07/30/23 10:53 Analyzed	Dil Fac
Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<50.2 sel Range Orga Result <50.2 <50.2 <50.2 <50.2 %Recovery 142 132	U nics (DRO) Qualifier U U Qualifier S1+ S1+	50.2 (GC) RL 50.2 50.2 50.2 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:37 07/24/23 17:37 07/24/23 17:37 Prepared 07/24/23 17:37	07/31/23 16:01 Analyzed 07/30/23 10:53 07/30/23 10:53 Analyzed 07/30/23 10:53	Dil Fac
Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<50.2 sel Range Orga Result <50.2 <50.2 <50.2 <50.2 *Recovery 142 132 Chromatograp	U nics (DRO) Qualifier U U Qualifier S1+ S1+	50.2 (GC) RL 50.2 50.2 50.2 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:37 07/24/23 17:37 07/24/23 17:37 Prepared 07/24/23 17:37	07/31/23 16:01 Analyzed 07/30/23 10:53 07/30/23 10:53 Analyzed 07/30/23 10:53	Dil Fac 1 Dil Fac 1 1 Dil Fac 1 Dil Fac

Client Sample ID: BH14B

Date Collected: 07/14/23 12:10

Date Received: 07/14/23 14:35

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *1	0.00200	mg/Kg		07/20/23 13:55	07/22/23 13:06	1
Toluene	<0.00200	U *- *1	0.00200	mg/Kg		07/20/23 13:55	07/22/23 13:06	1
Ethylbenzene	<0.00200	U *- *1	0.00200	mg/Kg		07/20/23 13:55	07/22/23 13:06	1
m-Xylene & p-Xylene	<0.00401	U *- *1	0.00401	mg/Kg		07/20/23 13:55	07/22/23 13:06	1
o-Xylene	<0.00200	U *- *1	0.00200	mg/Kg		07/20/23 13:55	07/22/23 13:06	1
Xylenes, Total	<0.00401	U *- *1	0.00401	mg/Kg		07/20/23 13:55	07/22/23 13:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			07/20/23 13:55	07/22/23 13:06	1

Lab Sample ID: 890-4950-42

Matrix: Solid

Client Sample Results

Client: Ensolum Job ID: 890-4950-1 Project/Site: Nash Unit 12 SDG: 03C1558259

Client Sample ID: BH14B Lab Sample ID: 890-4950-42

Date Collected: 07/14/23 12:10 Matrix: Solid Date Received: 07/14/23 14:35

Sample Depth: 2

Method: SW846 8021B	- Volatile Organic	Compounds	(GC)	(Continued)	
moundar official solutions	Tolutio Organic	- Compounds	,	(Continuou,	

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	94	70 - 130	07/20/23 13:55	07/22/23 13:06	1

Method: TAI	SOP Total BTFX -	- Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00401	U	0.00401	mg/Kg			07/24/23 09:06	1

Method: SW846 8015 NM - Diesel	Danas Organ	ice (DDO) (CC)
i Metriou. 344046 ou 13 MM - Dieser	Range Organ	ics (DRO) (GC)

Analyte	Result Qual	lifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5 U	50.5	mg/Kg			07/31/23 16:01	1

Method: SW846 8015B NM - Diesel Range Organics	(DRO)	(GC)	١
motified. Offerto College Ithin Biodol Rungo Organico	(5.10)	, , , , ,	,

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5	mg/Kg		07/24/23 17:37	07/30/23 11:59	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		07/24/23 17:37	07/30/23 11:59	1
Oll Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		07/24/23 17:37	07/30/23 11:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123	70 - 130	07/24/23 17:37	07/30/23 11:59	1
o-Terphenyl	120	70 - 130	07/24/23 17:37	07/30/23 11:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qua	alifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23600	250	mg/Kg			07/19/23 09:19	50

Client Sample ID: BH15 Lab Sample ID: 890-4950-43 Matrix: Solid

Date Collected: 07/14/23 12:15 Date Received: 07/14/23 14:35

Sample Depth: 0.5

Mathad, CINIO AC OC	21B - Volatile Organic	Campainade (CC)
- Memon: Syva4b au	IZTB - Volatile Urganic	Compounds (GC)

			,					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *1	0.00199	mg/Kg		07/20/23 13:55	07/22/23 13:27	1
Toluene	<0.00199	U *- *1	0.00199	mg/Kg		07/20/23 13:55	07/22/23 13:27	1
Ethylbenzene	<0.00199	U *- *1	0.00199	mg/Kg		07/20/23 13:55	07/22/23 13:27	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398	mg/Kg		07/20/23 13:55	07/22/23 13:27	1
o-Xylene	<0.00199	U *- *1	0.00199	mg/Kg		07/20/23 13:55	07/22/23 13:27	1
Xylenes, Total	<0.00398	U *- *1	0.00398	mg/Kg		07/20/23 13:55	07/22/23 13:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			07/20/23 13:55	07/22/23 13:27	1
1 1 Diffuorabanzana (Surr)	0.4		70 120			07/20/22 12:55	07/22/22 12:27	1

Surrogate	%Recovery Qualif	ier Limits	Prepared	Anaiyzea	DII Fac
4-Bromofluorobenzene (Surr)	99	70 - 130	07/20/23 13:55	07/22/23 13:27	1
1,4-Difluorobenzene (Surr)	94	70 - 130	07/20/23 13:55	07/22/23 13:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/24/23 09:06	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC	Method:	: SW846 8015 N	M - Diesel R	ange Ord	ianics (DRO)	(GC
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Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg		_	07/31/23 16:01	1

Client: Ensolum Job ID: 890-4950-1 Project/Site: Nash Unit 12 SDG: 03C1558259

Client Sample ID: BH15

Lab Sample ID: 890-4950-43 Date Collected: 07/14/23 12:15 Matrix: Solid Date Received: 07/14/23 14:35

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.5	U	50.5	mg/Kg		07/24/23 17:37	07/30/23 12:21	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.5	U	50.5	mg/Kg		07/24/23 17:37	07/30/23 12:21	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		07/24/23 17:37	07/30/23 12:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130			07/24/23 17:37	07/30/23 12:21	1
o-Terphenyl	122		70 - 130			07/24/23 17:37	07/30/23 12:21	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12900	-	99.0	mg/Kg			07/19/23 09:24	20

Client Sample ID: BH15A Lab Sample ID: 890-4950-44 Matrix: Solid

Date Collected: 07/14/23 12:20 Date Received: 07/14/23 14:35

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *1	0.00200	mg/Kg		07/20/23 13:55	07/22/23 13:47	1
Toluene	<0.00200	U *- *1	0.00200	mg/Kg		07/20/23 13:55	07/22/23 13:47	1
Ethylbenzene	<0.00200	U *- *1	0.00200	mg/Kg		07/20/23 13:55	07/22/23 13:47	1
m-Xylene & p-Xylene	<0.00400	U *- *1	0.00400	mg/Kg		07/20/23 13:55	07/22/23 13:47	1
o-Xylene	<0.00200	U *- *1	0.00200	mg/Kg		07/20/23 13:55	07/22/23 13:47	1
Xylenes, Total	<0.00400	U *- *1	0.00400	mg/Kg		07/20/23 13:55	07/22/23 13:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			07/20/23 13:55	07/22/23 13:47	1
1,4-Difluorobenzene (Surr)	93		70 - 130			07/20/23 13:55	07/22/23 13:47	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
T DTEV	<0.00400						07/04/00 00 00	
Total BTEX	<0.00400	U	0.00400	mg/Kg			07/24/23 09:06	1
- -				mg/Kg			07/24/23 09:06	1
: Method: SW846 8015 NM - Diese	el Range Organ			mg/Kg Unit	D	Prepared		
- -	el Range Organ	ics (DRO) (GC)		<u>D</u>	Prepared	Analyzed 07/31/23 16:01	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <49.6	ics (DRO) (Qualifier	GC) RL 49.6	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result 49.6 sel Range Organ	ics (DRO) (Qualifier	GC) RL 49.6	Unit	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte	el Range Organ Result 49.6 sel Range Organ	Qualifier Unics (DRO) Qualifier	RL 49.6 (GC)	<mark>Unit</mark> mg/Kg			Analyzed 07/31/23 16:01	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ Result <49.6 sel Range Orga Result	Qualifier Unics (DRO) Qualifier	GC) RL 49.6 (GC) RL	Unit mg/Kg		Prepared	Analyzed 07/31/23 16:01	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result <49.6 sel Range Orga Result	ics (DRO) (Qualifier U nics (DRO) Qualifier U	GC) RL 49.6 (GC) RL	Unit mg/Kg		Prepared	Analyzed 07/31/23 16:01	Dil Fac Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result <49.6 sel Range Orga Result <49.6	ics (DRO) (Qualifier U nics (DRO) Qualifier U	GC) RL 49.6 (GC) RL 49.6	Unit mg/Kg Unit mg/Kg		Prepared 07/24/23 17:37	Analyzed 07/31/23 16:01 Analyzed 07/30/23 12:43	Dil Fac Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	el Range Organ Result <49.6 sel Range Orga Result <49.6	ics (DRO) (Qualifier U nics (DRO) Qualifier U	GC) RL 49.6 (GC) RL 49.6	Unit mg/Kg Unit mg/Kg		Prepared 07/24/23 17:37	Analyzed 07/31/23 16:01 Analyzed 07/30/23 12:43	Dil Fac Dil Fac 1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result <49.6 sel Range Orga Result <49.6 <49.6	ics (DRO) (Qualifier U nics (DRO) Qualifier U U	GC) RL 49.6 (GC) RL 49.6 49.6	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:37 07/24/23 17:37	Analyzed 07/31/23 16:01 Analyzed 07/30/23 12:43 07/30/23 12:43	Dil Fac Dil Fac 1 1 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	el Range Organ Result <49.6 sel Range Orga Result <49.6 <49.6 <49.6	ics (DRO) (Qualifier U nics (DRO) Qualifier U U	GC) RL 49.6 (GC) RL 49.6 49.6 49.6 49.6	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:37 07/24/23 17:37 07/24/23 17:37	Analyzed 07/31/23 16:01 Analyzed 07/30/23 12:43 07/30/23 12:43	Dil Fac 1 Dil Fac 1 1 Dil Fac 1

Client: Ensolum Project/Site: Nash Unit 12 Job ID: 890-4950-1 SDG: 03C1558259

Lab Sample ID: 890-4950-44

Matrix: Solid

Matrix: Solid

Client Sample ID: BH15A Date Collected: 07/14/23 12:20

Date Received: 07/14/23 14:35

Sample Depth: 1

Method: EPA 300.0 - Anions, Ion C	hromatograpl	hy - Soluble	•					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13800		101	mg/Kg			07/19/23 09:29	20

Client Sample ID: BH15B Lab Sample ID: 890-4950-45

Date Collected: 07/14/23 12:25 Date Received: 07/14/23 14:35

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *1	0.00199	mg/Kg		07/20/23 13:55	07/22/23 14:08	1
Toluene	<0.00199	U *- *1	0.00199	mg/Kg		07/20/23 13:55	07/22/23 14:08	1
Ethylbenzene	<0.00199	U *- *1	0.00199	mg/Kg		07/20/23 13:55	07/22/23 14:08	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398	mg/Kg		07/20/23 13:55	07/22/23 14:08	1
o-Xylene	<0.00199	U *- *1	0.00199	mg/Kg		07/20/23 13:55	07/22/23 14:08	1
Xylenes, Total	<0.00398	U *- *1	0.00398	mg/Kg		07/20/23 13:55	07/22/23 14:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			07/20/23 13:55	07/22/23 14:08	1
1,4-Difluorobenzene (Surr)	96		70 - 130			07/20/23 13:55	07/22/23 14:08	1

Method: TAL SOP Total BTEX - Tot	al BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/24/23 09:06	1
-								

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)								
	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Total TPH	<49.8 U	49.8	mg/Kg			07/31/23 16:01	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	mg/Kg		07/24/23 17:37	07/30/23 13:05	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		07/24/23 17:37	07/30/23 13:05	1
C10-C28)								
OII Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/24/23 17:37	07/30/23 13:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130			07/24/23 17:37	07/30/23 13:05	1
o-Terphenvl	115		70 - 130			07/24/23 17:37	07/30/23 13:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble								
	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	17200	250	mg/Kg			07/19/23 09:35	50

Lab Sample ID: 890-4950-46

 Client: Ensolum
 Job ID: 890-4950-1

 Project/Site: Nash Unit 12
 SDG: 03C1558259

Client Sample ID: BH16

Date Collected: 07/14/23 12:30 Date Received: 07/14/23 14:35

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *1	0.00201	mg/Kg		07/20/23 13:55	07/22/23 16:19	1
Toluene	<0.00201	U *- *1	0.00201	mg/Kg		07/20/23 13:55	07/22/23 16:19	1
Ethylbenzene	<0.00201	U *- *1	0.00201	mg/Kg		07/20/23 13:55	07/22/23 16:19	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402	mg/Kg		07/20/23 13:55	07/22/23 16:19	1
o-Xylene	<0.00201	U *- *1	0.00201	mg/Kg		07/20/23 13:55	07/22/23 16:19	1
Xylenes, Total	<0.00402	U *- *1	0.00402	mg/Kg		07/20/23 13:55	07/22/23 16:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130			07/20/23 13:55	07/22/23 16:19	1
1,4-Difluorobenzene (Surr)	92		70 - 130			07/20/23 13:55	07/22/23 16:19	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			07/24/23 09:06	1
Method: SW846 8015 NM - Diese	• •		•		_	_		
Method: SW846 8015 NM - Dieso Analyte	• •	ics (DRO) (Qualifier	GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
	• •	Qualifier	•	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 07/31/23 16:01	
Analyte	Result <50.0	Qualifier U	RL 50.0		<u>D</u>	Prepared		
Analyte Total TPH	Result <50.0 sel Range Orga	Qualifier U	RL 50.0		<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	Result <50.0 sel Range Orga	Qualifier Unics (DRO) Qualifier	RL 50.0	mg/Kg	<u> </u>		07/31/23 16:01	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0 sel Range Orga	Qualifier U nics (DRO) Qualifier U	RL 50.0 (GC)	mg/Kg	<u> </u>	Prepared	07/31/23 16:01 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0 sel Range Orga Result <50.0	Qualifier U nics (DRO) Qualifier U	RL 50.0 (GC) RL 50.0	mg/Kg Unit mg/Kg	<u> </u>	Prepared 07/24/23 17:37	07/31/23 16:01 Analyzed 07/30/23 13:27	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0	Qualifier U nics (DRO) Qualifier U	RL 50.0 (GC) RL 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg	<u> </u>	Prepared 07/24/23 17:37 07/24/23 17:37	07/31/23 16:01 Analyzed 07/30/23 13:27 07/30/23 13:27	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0	Qualifier U nics (DRO) Qualifier U U	RL 50.0 (GC) RL 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg	<u> </u>	Prepared 07/24/23 17:37 07/24/23 17:37 07/24/23 17:37	07/31/23 16:01 Analyzed 07/30/23 13:27 07/30/23 13:27	Dil Face
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <50.0	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 50.0 (GC) RL 50.0 50.0 50.0 Limits	mg/Kg Unit mg/Kg mg/Kg	<u> </u>	Prepared 07/24/23 17:37 07/24/23 17:37 07/24/23 17:37 Prepared	07/31/23 16:01 Analyzed 07/30/23 13:27 07/30/23 13:27 07/30/23 13:27 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <50.0	Qualifier U nics (DRO) Qualifier U U Qualifier S1+	RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg	<u> </u>	Prepared 07/24/23 17:37 07/24/23 17:37 07/24/23 17:37 Prepared 07/24/23 17:37	07/31/23 16:01 Analyzed 07/30/23 13:27 07/30/23 13:27 Analyzed 07/30/23 13:27	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U nics (DRO) Qualifier U U Qualifier S1+	RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg	<u> </u>	Prepared 07/24/23 17:37 07/24/23 17:37 07/24/23 17:37 Prepared 07/24/23 17:37	07/31/23 16:01 Analyzed 07/30/23 13:27 07/30/23 13:27 Analyzed 07/30/23 13:27	Dil Fac Dil Fac 1 Dil Fac 1 Dil Fac Dil Fac Dil Fac Dil Fac

Client Sample ID: BH16A

Date Collected: 07/14/23 12:35

Date Received: 07/14/23 14:35

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *1	0.00200	mg/Kg		07/20/23 13:55	07/22/23 16:40	1
Toluene	<0.00200	U *- *1	0.00200	mg/Kg		07/20/23 13:55	07/22/23 16:40	1
Ethylbenzene	<0.00200	U *- *1	0.00200	mg/Kg		07/20/23 13:55	07/22/23 16:40	1
m-Xylene & p-Xylene	<0.00401	U *- *1	0.00401	mg/Kg		07/20/23 13:55	07/22/23 16:40	1
o-Xylene	<0.00200	U *- *1	0.00200	mg/Kg		07/20/23 13:55	07/22/23 16:40	1
Xylenes, Total	<0.00401	U *- *1	0.00401	mg/Kg		07/20/23 13:55	07/22/23 16:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			07/20/23 13:55	07/22/23 16:40	

Eurofins Carlsbad

Lab Sample ID: 890-4950-47

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Matrix: Solid

Client: Ensolum Project/Site: Nash Unit 12 SDG: 03C1558259

Client Sample ID: BH16A Lab Sample ID: 890-4950-47

Date Collected: 07/14/23 12:35 Matrix: Solid Date Received: 07/14/23 14:35

Sample Depth: 1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	94	70 - 130	07/20/23 13:55	07/22/23 16:40	

Method: TAL SOP Total BTEX - Total BTE	X Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	ma/Ka			07/24/23 09:06	1

Method:	SW846	8015 NI	M - Dies	ol Range	Organics	(DRO)	(GC)

Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5 U	J	50.5	ma/Ka			07/31/23 16:01	1

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

	- rungo organico (2110) (00)							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.5	U	50.5	mg/Kg		07/24/23 17:37	07/30/23 13:49	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.5	U	50.5	mg/Kg		07/24/23 17:37	07/30/23 13:49	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		07/24/23 17:37	07/30/23 13:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	07/24/23 17:37	07/30/23 13:49	1
o-Terphenyl	115		70 - 130	07/24/23 17:37	07/30/23 13:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	17500		250	mg/Kg			07/19/23 09:55	50	

Client Sample ID: BH17 Lab Sample ID: 890-4950-48 **Matrix: Solid**

Date Collected: 07/14/23 12:40 Date Received: 07/14/23 14:35

Sample Depth: 0.5

			,					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *1	0.00202	mg/Kg		07/20/23 13:55	07/22/23 17:00	1
Toluene	<0.00202	U *- *1	0.00202	mg/Kg		07/20/23 13:55	07/22/23 17:00	1
Ethylbenzene	<0.00202	U *- *1	0.00202	mg/Kg		07/20/23 13:55	07/22/23 17:00	1
m-Xylene & p-Xylene	<0.00403	U *- *1	0.00403	mg/Kg		07/20/23 13:55	07/22/23 17:00	1
o-Xylene	<0.00202	U *- *1	0.00202	mg/Kg		07/20/23 13:55	07/22/23 17:00	1
Xylenes, Total	<0.00403	U *- *1	0.00403	mg/Kg		07/20/23 13:55	07/22/23 17:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			07/20/23 13:55	07/22/23 17:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Anaiyzea	DII Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	07/20/23 13:55	07/22/23 17:00	1
1,4-Difluorobenzene (Surr)	91		70 - 130	07/20/23 13:55	07/22/23 17:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00403	U	0.00403	ma/Ka			07/24/23 09:06	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3	mg/Kg			07/31/23 16:01	1

Client: Ensolum Project/Site: Nash Unit 12 SDG: 03C1558259

Client Sample ID: BH17 Lab Sample ID: 890-4950-48 Date Collected: 07/14/23 12:40

Matrix: Solid

Date Received: 07/14/23 14:35 Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3	mg/Kg		07/24/23 17:37	07/30/23 14:11	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	mg/Kg		07/24/23 17:37	07/30/23 14:11	1
Oll Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		07/24/23 17:37	07/30/23 14:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130			07/24/23 17:37	07/30/23 14:11	1
o-Terphenyl	125		70 - 130			07/24/23 17:37	07/30/23 14:11	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: BH16B Lab Sample ID: 890-4950-49 Date Collected: 07/14/23 12:45 Matrix: Solid

Date Received: 07/14/23 14:35

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *1	0.00198	mg/Kg		07/20/23 13:55	07/22/23 17:21	1
Toluene	<0.00198	U *- *1	0.00198	mg/Kg		07/20/23 13:55	07/22/23 17:21	1
Ethylbenzene	<0.00198	U *- *1	0.00198	mg/Kg		07/20/23 13:55	07/22/23 17:21	1
m-Xylene & p-Xylene	<0.00397	U *- *1	0.00397	mg/Kg		07/20/23 13:55	07/22/23 17:21	1
o-Xylene	<0.00198	U *- *1	0.00198	mg/Kg		07/20/23 13:55	07/22/23 17:21	1
Xylenes, Total	<0.00397	U *- *1	0.00397	mg/Kg		07/20/23 13:55	07/22/23 17:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			07/20/23 13:55	07/22/23 17:21	1
1,4-Difluorobenzene (Surr)	91		70 - 130			07/20/23 13:55	07/22/23 17:21	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00397	U	0.00397	mg/Kg			07/24/23 09:06	1
• •				mg/Kg			07/24/23 09:06	1
Total BTEX : Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)				07/24/23 09:06	·
• •	el Range Organ Result	ics (DRO) (GC)	mg/Kg	<u>D</u>	Prepared	07/24/23 09:06 Analyzed	Dil Fac
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)		<u>D</u>	Prepared		·
Method: SW846 8015 NM - Diese Analyte	Range Organ Result <49.9	ics (DRO) ((Qualifier	GC) RL 49.9	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <49.9 sel Range Organ	ics (DRO) ((Qualifier	GC) RL 49.9	Unit	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ Result <49.9 sel Range Organ	ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 49.9 (GC)	Unit mg/Kg		<u> </u>	Analyzed 07/31/23 16:01	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	el Range Organ Result <49.9 sel Range Orga Result	ics (DRO) (Qualifier U nics (DRO) Qualifier	GC) RL 49.9 (GC) RL	Unit mg/Kg		Prepared	Analyzed 07/31/23 16:01	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result <49.9 sel Range Orga Result	ics (DRO) ((Qualifier U nics (DRO) Qualifier U	GC) RL 49.9 (GC) RL	Unit mg/Kg		Prepared	Analyzed 07/31/23 16:01	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result <49.9 sel Range Orga Result <49.9	ics (DRO) ((Qualifier U nics (DRO) Qualifier U	GC) RL 49.9 (GC) RL 49.9 49.9	Unit mg/Kg Unit mg/Kg		Prepared 07/24/23 17:37	Analyzed 07/31/23 16:01 Analyzed 07/30/23 14:33 07/30/23 14:33	Dil Fac Dil Fac 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result <49.9 sel Range Orga Result <49.9	ics (DRO) ((Qualifier U nics (DRO) Qualifier U	(GC) RL 49.9 (GC) RL 49.9	Unit mg/Kg Unit mg/Kg		Prepared 07/24/23 17:37	Analyzed 07/31/23 16:01 Analyzed 07/30/23 14:33	Dil Fac Dil Fac 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result <49.9 sel Range Orga Result <49.9 <49.9	ics (DRO) ((Qualifier U nics (DRO) Qualifier U U	GC) RL 49.9 (GC) RL 49.9 49.9	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:37 07/24/23 17:37	Analyzed 07/31/23 16:01 Analyzed 07/30/23 14:33 07/30/23 14:33	Dil Fac Dil Fac 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	el Range Organ Result <49.9 sel Range Orga Result <49.9 <49.9 <49.9	ics (DRO) ((Qualifier U nics (DRO) Qualifier U U	GC) RL 49.9 (GC) RL 49.9 49.9 49.9	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:37 07/24/23 17:37 07/24/23 17:37	Analyzed 07/31/23 16:01 Analyzed 07/30/23 14:33 07/30/23 14:33	Dil Fac Dil Fac 1 1 1

Matrix: Solid

Client: Ensolum Project/Site: Nash Unit 12 SDG: 03C1558259

Client Sample ID: BH16B Lab Sample ID: 890-4950-49

Date Collected: 07/14/23 12:45 Matrix: Solid Date Received: 07/14/23 14:35

Sample Depth: 2

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10600	99.4	mg/Kg			07/19/23 10:16	20

Lab Sample ID: 890-4950-50 Client Sample ID: BH17A

Date Collected: 07/14/23 12:50 Date Received: 07/14/23 14:35

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U *1	0.00200	mg/Kg		07/20/23 13:55	07/22/23 17:41	
Toluene	<0.00200	U *- *1	0.00200	mg/Kg		07/20/23 13:55	07/22/23 17:41	
Ethylbenzene	<0.00200	U *- *1	0.00200	mg/Kg		07/20/23 13:55	07/22/23 17:41	
m-Xylene & p-Xylene	<0.00400	U *- *1	0.00400	mg/Kg		07/20/23 13:55	07/22/23 17:41	
o-Xylene	<0.00200	U *- *1	0.00200	mg/Kg		07/20/23 13:55	07/22/23 17:41	
Xylenes, Total	<0.00400	U *- *1	0.00400	mg/Kg		07/20/23 13:55	07/22/23 17:41	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	92		70 - 130			07/20/23 13:55	07/22/23 17:41	
1,4-Difluorobenzene (Surr)	98		70 - 130			07/20/23 13:55	07/22/23 17:41	
Method: TAL SOP Total BTEX - ⁻	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00400	П	0.00400	mg/Kg			07/24/23 09:06	
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result	ics (DRO) (GC)	Unit	<u>D</u>	Prepared	Analyzed	Dil Fa
Method: SW846 8015 NM - Diese Analyte	el Range Organ	ics (DRO) (GC)		<u>D</u>	Prepared		Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <49.7	ics (DRO) (Qualifier	RL 49.7	Unit	<u>D</u>	Prepared	Analyzed	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte	el Range Organ Result 49.7 sel Range Organ	ics (DRO) (Qualifier	RL 49.7	Unit	<u>D</u>	Prepared Prepared	Analyzed	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result 49.7 sel Range Organ	Qualifier Unics (DRO) Qualifier	RL 49.7 (GC)	Unit mg/Kg			Analyzed 07/31/23 16:01	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result Result 49.7 sel Range Orga Result	ics (DRO) (Qualifier U nics (DRO) Qualifier U	GC) RL 49.7 (GC) RL	Unit mg/Kg		Prepared	Analyzed 07/31/23 16:01	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result 49.7 sel Range Orga Result 49.7	ics (DRO) (Qualifier U nics (DRO) Qualifier U	(GC) RL 49.7 (GC) RL 49.7	Unit mg/Kg Unit mg/Kg		Prepared 07/24/23 17:37	Analyzed 07/31/23 16:01 Analyzed 07/30/23 14:56	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	el Range Organ Result 49.7 sel Range Orga Result 49.7 49.7	ics (DRO) (Qualifier U nics (DRO) Qualifier U U	GC) RL 49.7 (GC) RL 49.7 49.7	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:37 07/24/23 17:37	Analyzed 07/31/23 16:01 Analyzed 07/30/23 14:56 07/30/23 14:56	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	el Range Organ Result 49.7 sel Range Orga Result 49.7 49.7 49.7	ics (DRO) (Qualifier U nics (DRO) Qualifier U U	GC) RL 49.7 (GC) RL 49.7 49.7 49.7	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:37 07/24/23 17:37 07/24/23 17:37	Analyzed 07/31/23 16:01 Analyzed 07/30/23 14:56 07/30/23 14:56	Dil Fa
: Method: SW846 8015 NM - Diese	el Range Organ Result <49.7 sel Range Orga Result <49.7 <49.7 <49.7 %Recovery	ics (DRO) (Qualifier U nics (DRO) Qualifier U U	GC) RL 49.7 (GC) RL 49.7 49.7 49.7 Limits	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:37 07/24/23 17:37 07/24/23 17:37 Prepared	Analyzed 07/31/23 16:01 Analyzed 07/30/23 14:56 07/30/23 14:56 Analyzed	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	el Range Organ	ics (DRO) (Qualifier U nics (DRO) Qualifier U U Qualifier	GC) RL 49.7 (GC) RL 49.7 49.7 49.7 Limits 70 - 130 70 - 130	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:37 07/24/23 17:37 07/24/23 17:37 Prepared 07/24/23 17:37	Analyzed 07/31/23 16:01 Analyzed 07/30/23 14:56 07/30/23 14:56 Analyzed 07/30/23 14:56	Dil Fa

07/19/23 10:21

99.0

mg/Kg

13700

20

Chloride

Lab Sample ID: 890-4950-51

Job ID: 890-4950-1

Client: Ensolum Project/Site: Nash Unit 12 SDG: 03C1558259

Client Sample ID: BH17B

Date Collected: 07/14/23 12:55 Date Received: 07/14/23 14:35

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		07/19/23 12:10	07/20/23 06:59	1
Toluene	0.00250		0.00198	mg/Kg		07/19/23 12:10	07/20/23 06:59	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/19/23 12:10	07/20/23 06:59	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		07/19/23 12:10	07/20/23 06:59	
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/19/23 12:10	07/20/23 06:59	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		07/19/23 12:10	07/20/23 06:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			07/19/23 12:10	07/20/23 06:59	1
1,4-Difluorobenzene (Surr)	70		70 - 130			07/19/23 12:10	07/20/23 06:59	1
- Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			07/20/23 10:59	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					
Method: SW846 8015 NM - Diese	•		•	Unit	n	Prenared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	•	Qualifier	RL 50.2	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 07/31/23 16:01	Dil Fac
Analyte Total TPH	Result < 50.2	Qualifier U	RL 50.2		<u>D</u>	Prepared		Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <50.2 sel Range Orga	Qualifier U	RL 50.2	mg/Kg			07/31/23 16:01	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	Result <50.2 sel Range Orga Result	Qualifier Unics (DRO) Qualifier	RL 50.2 (GC)	mg/Kg	<u>D</u>	Prepared	07/31/23 16:01 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <50.2 sel Range Orga	Qualifier Unics (DRO) Qualifier	RL 50.2	mg/Kg			07/31/23 16:01	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.2 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL 50.2 (GC)	mg/Kg		Prepared	07/31/23 16:01 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result	Qualifier U nics (DRO) Qualifier U	RL 50.2 (GC) RL 50.2 50.2	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:37 07/24/23 17:37	07/31/23 16:01 Analyzed 07/30/23 15:41 07/30/23 15:41	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.2 sel Range Orga Result <50.2	Qualifier U nics (DRO) Qualifier U	RL 50.2 (GC) RL 50.2	mg/Kg Unit mg/Kg		Prepared 07/24/23 17:37	07/31/23 16:01 Analyzed 07/30/23 15:41	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result	Qualifier U nics (DRO) Qualifier U U	RL	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:37 07/24/23 17:37 07/24/23 17:37 Prepared	07/31/23 16:01 Analyzed 07/30/23 15:41 07/30/23 15:41 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.2	Qualifier U nics (DRO) Qualifier U U	RL 50.2 (GC) RL 50.2 50.2	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:37 07/24/23 17:37 07/24/23 17:37	07/31/23 16:01 Analyzed 07/30/23 15:41 07/30/23 15:41	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result	Qualifier U nics (DRO) Qualifier U U	RL	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:37 07/24/23 17:37 07/24/23 17:37 Prepared	07/31/23 16:01 Analyzed 07/30/23 15:41 07/30/23 15:41 Analyzed	Dil Face 1 1 1 Dil Face
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 50.2 (GC) RL 50.2 50.2 50.2 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:37 07/24/23 17:37 07/24/23 17:37 Prepared 07/24/23 17:37	07/31/23 16:01 Analyzed 07/30/23 15:41 07/30/23 15:41 Analyzed 07/30/23 15:41	Dil Face 1 1 1 Dil Face
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 50.2 (GC) RL 50.2 50.2 50.2 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/24/23 17:37 07/24/23 17:37 07/24/23 17:37 Prepared 07/24/23 17:37	07/31/23 16:01 Analyzed 07/30/23 15:41 07/30/23 15:41 Analyzed 07/30/23 15:41	Dil Face 1 1 1 Dil Face

Client: Ensolum Job ID: 890-4950-1 Project/Site: Nash Unit 12 SDG: 03C1558259

Method: 8021B - Volatile Organic Compounds (GC)

latrix: Solid				Prep Type: Total/NA
•				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-30923-A-1-A MS	Matrix Spike	116	100	
880-30923-A-1-B MSD	Matrix Spike Duplicate	129	95	
880-30968-A-3-A MS	Matrix Spike	124	88	
880-30968-A-3-B MSD	Matrix Spike Duplicate	114	96	
890-4950-1	BH01	92	103	
390-4950-1 MS	BH01	92	103	
890-4950-1 MSD	BH01	93	101	
390-4950-2	BH01A	86	119	
890-4950-3	BH01B	107	111	
390-4950-4	BH02	95	112	
390-4950-5	BH02A	97	110	
390-4950-6	ВН02В	99	112	
390-4950-7	BH03	103	113	
390-4950-8	ВН03А	116	115	
390-4950-9	внозв	98	110	
390-4950-10	BH04	97	110	
390-4950-11	BH04A	101	101	
390-4950-12	BH04B	94	104	
390-4950-13	BH05	110	105	
390-4950-14	BH05A	105	116	
390-4950-15	ВН05В	100	113	
90-4950-16	BH06	104	113	
390-4950-17	BH06A	104	112	
390-4950-18	ВН06В	104	107	
390-4950-19	BH07	111	113	
90-4950-20	ВН07А	104	110	
390-4950-21	ВН07В	77	94	
890-4950-21 MS	ВН07В	105	93	
890-4950-21 MSD	ВН07В	88	149 S1+	
390-4950-22	BH08	87	98	
390-4950-23	BH08A	90	104	
390-4950-24	BH08B	91	98	
390-4950-25	BH09	86	102	
390-4950-26	BH09A	99	103	
390-4950-27	ВН09В	94	98	
390-4950-28	BH10	99	96	
90-4950-29	BH10A	93	104	
390-4950-30	BH10B	97	104	
390-4950-31	BH11	80	99	
390-4950-32	BH11A	87	99	
390-4950-33	BH11B	85	101	
390-4950-34	BH12	94	101	
390-4950-35	BH12A	94	102	
390-4950-36	BH12B	89	107	
390-4950-37	BH13	85	106	
390-4950-38	BH13A	87	105	
390-4950-39	BH13B	91	105	
390-4950-40	BH14	81	104	
890-4950-41	BH14A	92	99	

 Client: Ensolum
 Job ID: 890-4950-1

 Project/Site: Nash Unit 12
 SDG: 03C1558259

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

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Lim
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
90-4950-42	BH14B	101	94	
90-4950-43	BH15	99	94	
90-4950-44	BH15A	98	93	
90-4950-45	BH15B	97	96	
90-4950-46	BH16	91	92	
90-4950-46	ВН16А	103		
90-4950-47	BH17		94	
		103	91	
90-4950-49	BH16B	98	91	
90-4950-50	BH17A	92	98	
90-4950-51	BH17B	92	70	
CS 880-57972/1-A	Lab Control Sample	95	105	
CS 880-57974/1-A	Lab Control Sample	98	92	
.CS 880-58038/1-A	Lab Control Sample	126	98	
CS 880-58151/1-A	Lab Control Sample	98	96	
.CSD 880-57972/2-A	Lab Control Sample Dup	92	98	
.CSD 880-57974/2-A	Lab Control Sample Dup	92	96	
CSD 880-58038/2-A	Lab Control Sample Dup	122	94	
.CSD 880-58151/2-A	Lab Control Sample Dup	105	98	
/IB 880-57971/5-B	Method Blank	73	92	
MB 880-57972/5-A	Method Blank	81	95	
MB 880-57974/5-A	Method Blank	104	130	
MB 880-58038/5-A	Method Blank	75	82	
1B 880-58149/5-A	Method Blank	87	91	
MB 880-58151/5-A	Method Blank	97	112	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

-			
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-4950-1	BH01	131 S1+	113
890-4950-1 MS	BH01	123	96
890-4950-1 MSD	BH01	123	96
890-4950-2	BH01A	133 S1+	113
890-4950-3	BH01B	149 S1+	128
890-4950-4	BH02	139 S1+	121
890-4950-5	BH02A	120	105
890-4950-6	BH02B	124	109
890-4950-7	BH03	118	99
890-4950-8	ВН03А	140 S1+	124
890-4950-9	внозв	118	107
890-4950-10	BH04	117	108
890-4950-11	BH04A	145 S1+	127
890-4950-12	BH04B	144 S1+	124
890-4950-13	BH05	125	103
890-4950-14	BH05A	114	95

 Client: Ensolum
 Job ID: 890-4950-1

 Project/Site: Nash Unit 12
 SDG: 03C1558259

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	ОТРН1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-4950-15	BH05B	125	106	
890-4950-16	BH06	117	107	
390-4950-17	BH06A	118	107	
390-4950-18	BH06B	123	114	
390-4950-19	BH07	105	107	
390-4950-20	BH07A	120	109	
390-4950-21	ВН07В	134 S1+	116	
390-4950-21 MS	ВН07В	167 S1+	138 S1+	
390-4950-21 MSD	BH07B	165 S1+	137 S1+	
390-4950-22	BH08	131 S1+	122	
390-4950-23	BH08A	120	111	
390-4950-24	BH08B	123	115	
390-4950-25	ВН09	124	113	
390-4950-26	BH09A	114	102	
390-4950-27	BH09B	132 S1+	122	
390-4950-28	BH10	127	112	
390-4950-29	BH10A	204 S1+	186 S1+	
390-4950-30	BH10B	127	119	
390-4950-31	BH11	128	118	
390-4950-31 390-4950-32	BH11A	127	116	
390-4950-32 390-4950-33	BH11B	116	107	
890-4950-34	BH12	124	115	
890-4950-35	BH12A	118	111	
890-4950-36	BH12B	185 S1+	168 S1+	
390-4950-37	BH13	144 S1+	133 S1+	
390-4950-38	BH13A	150 S1+	139 S1+	
390-4950-39	BH13B	118	109	
390-4950-40	BH14	128	120	
890-4950-41	BH14A	142 S1+	132 S1+	
390-4950-41 MS	BH14A	122	103	
390-4950-41 MSD	BH14A	123	102	
390-4950-42	BH14B	123	120	
390-4950-43	BH15	129	122	
390-4950-44	BH15A	144 S1+	133 S1+	
390-4950-45	BH15B	123	115	
390-4950-46	BH16	139 S1+	127	
390-4950-47	BH16A	123	115	
390-4950-48	BH17	132 S1+	125	
390-4950-49	BH16B	125	118	
390-4950-50	BH17A	116	110	
390-4950-51	BH17B	124	118	
_CS 880-58403/2-A	Lab Control Sample	117	107	
CS 880-58404/2-A	Lab Control Sample	108	101	
.CS 880-58405/2-A	Lab Control Sample	114	116	
CSD 880-58403/3-A	Lab Control Sample Dup	93	81	
_CSD 880-58404/3-A	Lab Control Sample Dup	101	90	
_CSD 880-58405/3-A	Lab Control Sample Dup	114	119	
MB 880-58403/1-A	Method Blank	160 S1+	134 S1+	
ИВ 880-58404/1-A	Method Blank	161 S1+	148 S1+	
MB 880-58405/1-A	Method Blank	163 S1+	155 S1+	

Client: Ensolum

Project/Site: Nash Unit 12

Surrogate Legend

1CO = 1-Chlorooctane OTPH = o-Terphenyl

Job ID: 890-4950-1 SDG: 03C1558259

Client: Ensolum Job ID: 890-4950-1 SDG: 03C1558259 Project/Site: Nash Unit 12

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-57971/5-B

Matrix: Solid

Analysis Batch: 57991

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 57971

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/19/23 08:07	07/19/23 12:32	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/19/23 08:07	07/19/23 12:32	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/19/23 08:07	07/19/23 12:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/19/23 08:07	07/19/23 12:32	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/19/23 08:07	07/19/23 12:32	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/19/23 08:07	07/19/23 12:32	1

MB MB

мв мв

Surrogate	%Recovery Qualifie	r Limits
4-Bromofluorobenzene (Surr)	73	70 - 130
1.4-Difluorobenzene (Surr)	92	70 - 130

Prepared Dil Fac Analyzed 07/19/23 08:07 07/19/23 12:32 07/19/23 08:07 07/19/23 12:32

Client Sample ID: Method Blank

Matrix: Solid

Lab Sample ID: MB 880-57972/5-A

Analysis Batch: 58258

Prep Type: Total/NA

Prep Batch: 57972

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/22/23 20:42	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/22/23 20:42	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/22/23 20:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/18/23 16:18	07/22/23 20:42	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:18	07/22/23 20:42	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/18/23 16:18	07/22/23 20:42	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepa	red	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	07/18/23	3 16:18	07/22/23 20:42	1
1,4-Difluorobenzene (Surr)	95		70 - 130	07/18/23	16:18	07/22/23 20:42	1

Lab Sample ID: LCS 880-57972/1-A

Matrix: Solid

Analysis Batch: 58258

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 57972

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1027		mg/Kg		103	70 - 130	
Toluene	0.100	0.1038		mg/Kg		104	70 - 130	
Ethylbenzene	0.100	0.09438		mg/Kg		94	70 - 130	
m-Xylene & p-Xylene	0.200	0.1832		mg/Kg		92	70 - 130	
o-Xylene	0.100	0.09074		mg/Kg		91	70 - 130	

LCS LCS

Surrogate	%Recovery 0	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-57972/2-A

Matrix: Solid

Analysis Batch: 58258

Client Sample ID:	Lab Control	Sample Dup
	Deep To	mar Tatal/NIA

Prep Type: Total/NA

Prep Batch: 57972

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09089		mg/Kg		91	70 - 130	12	35

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QC Sample Results

Client: Ensolum Job ID: 890-4950-1 Project/Site: Nash Unit 12 SDG: 03C1558259

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

Lab Sample ID: LCSD 880-57972/2-A

Matrix: Solid

Analysis Batch: 58258

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 57972

Spike	LCSD	LCSD				%Rec		RPD
Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
0.100	0.09452		mg/Kg		95	70 - 130	9	35
0.100	0.08494		mg/Kg		85	70 - 130	11	35
0.200	0.1650		mg/Kg		83	70 - 130	10	35
0.100	0.08391		mg/Kg		84	70 - 130	8	35
	Added 0.100 0.100 0.200	Added Result 0.100 0.09452 0.100 0.08494 0.200 0.1650	Added Result Qualifier 0.100 0.09452 0.100 0.08494 0.200 0.1650	Added Result Qualifier Unit 0.100 0.09452 mg/Kg 0.100 0.08494 mg/Kg 0.200 0.1650 mg/Kg	Added Result Qualifier Unit D 0.100 0.09452 mg/Kg 0.100 0.08494 mg/Kg 0.200 0.1650 mg/Kg	Added Result Qualifier Unit D %Rec 0.100 0.09452 mg/Kg 95 0.100 0.08494 mg/Kg 85 0.200 0.1650 mg/Kg 83	Added Result Qualifier Unit D %Rec Limits 0.100 0.09452 mg/Kg 95 70 - 130 0.100 0.08494 mg/Kg 85 70 - 130 0.200 0.1650 mg/Kg 83 70 - 130	Added Result Qualifier Unit D %Rec Limits RPD 0.100 0.09452 mg/Kg 95 70 - 130 9 0.100 0.08494 mg/Kg 85 70 - 130 11 0.200 0.1650 mg/Kg 83 70 - 130 10

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-4950-1 MS

Matrix: Solid

Analysis Batch: 58258

Client Sample ID: BH01 Prep Type: Total/NA

Prep Batch: 57972

Spike MS MS %Rec Sample Sample Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits Benzene <0.00199 U F1 0.0994 0.05525 F1 56 70 - 130 mg/Kg Toluene <0.00199 UF1F2 0.0994 0.03989 F1 mg/Kg 40 70 - 130 Ethylbenzene <0.00199 U F1 F2 0.0994 0.02730 F1 mg/Kg 27 70 - 130 0.199 25 m-Xylene & p-Xylene <0.00398 UF1F2 0.05008 F1 70 - 130 mg/Kg o-Xylene <0.00199 UF1F2 0.0994 0.02834 F1 mg/Kg 29 70 - 130

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	92	70 - 130
1,4-Difluorobenzene (Surr)	103	70 - 130

Lab Sample ID: 890-4950-1 MSD

Matrix: Solid

Analysis Batch: 58258

Client Sample ID: BH01

Prep Type: Total/NA Prep Batch: 57972

7											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U F1	0.0998	0.07483		mg/Kg		75	70 - 130	30	35
Toluene	<0.00199	U F1 F2	0.0998	0.06628	F1 F2	mg/Kg		66	70 - 130	50	35
Ethylbenzene	<0.00199	U F1 F2	0.0998	0.04693	F1 F2	mg/Kg		47	70 - 130	53	35
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.200	0.08815	F1 F2	mg/Kg		44	70 - 130	55	35
o-Xylene	<0.00199	U F1 F2	0.0998	0.04696	F1 F2	mg/Kg		47	70 - 130	49	35

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	93	70 - 130
1,4-Difluorobenzene (Surr)	101	70 - 130

Lab Sample ID: MB 880-57974/5-A

Matrix: Solid

Analysis Batch: 58285

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 57974

	МВ	MB
alyte	Result	Qua

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:31	07/23/23 14:04	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:31	07/23/23 14:04	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/18/23 16:31	07/23/23 14:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/18/23 16:31	07/23/23 14:04	1

Eurofins Carlsbad

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QC Sample Results

Client: Ensolum Job ID: 890-4950-1 SDG: 03C1558259 Project/Site: Nash Unit 12

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

Lab Sample ID: MB 880-57974/5-A

Matrix: Solid

Analysis Batch: 58285

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 57974

Ana	alyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-X	ylene	<0.00200	U	0.00200	mg/Kg	_	07/18/23 16:31	07/23/23 14:04	1
Xyl	enes, Total	<0.00400	U	0.00400	mg/Kg		07/18/23 16:31	07/23/23 14:04	1

мв мв

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	07/18/23 16:31	07/23/23 14:04	1
1,4-Difluorobenzene (Surr)	130		70 - 130	07/18/23 16:31	07/23/23 14:04	1

Lab Sample ID: LCS 880-57974/1-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Prep Type: Total/NA **Analysis Batch: 58285** Prep Batch: 57974

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1090		mg/Kg		109	70 - 130	
Toluene	0.100	0.1042		mg/Kg		104	70 - 130	
Ethylbenzene	0.100	0.1098		mg/Kg		110	70 - 130	
m-Xylene & p-Xylene	0.200	0.2289		mg/Kg		114	70 - 130	
o-Xylene	0.100	0.1061		mg/Kg		106	70 - 130	
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LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	98	70 - 130
1,4-Difluorobenzene (Surr)	92	70 - 130

Lab Sample ID: LCSD 880-57974/2-A

Matrix: Solid

Analysis Batch: 58285

Client Samp	e ID: Lab	Control	Sample	Dup
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Prep Type: Total/NA

Prep Batch: 57974

Spike	LCSD	LCSD				%Rec		RPD
Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
0.100	0.1104		mg/Kg		110	70 - 130	1	35
0.100	0.1039		mg/Kg		104	70 - 130	0	35
0.100	0.09678		mg/Kg		97	70 - 130	13	35
0.200	0.1942		mg/Kg		97	70 - 130	16	35
0.100	0.09683		mg/Kg		97	70 - 130	9	35
	Added 0.100 0.100 0.100 0.200	Added Result 0.100 0.1104 0.100 0.1039 0.100 0.09678 0.200 0.1942	Added Result Qualifier 0.100 0.1104 0.100 0.1039 0.100 0.09678 0.200 0.1942	Added Result Qualifier Unit 0.100 0.1104 mg/Kg 0.100 0.1039 mg/Kg 0.100 0.09678 mg/Kg 0.200 0.1942 mg/Kg	Added Result Qualifier Unit D 0.100 0.1104 mg/Kg 0.100 0.1039 mg/Kg 0.100 0.09678 mg/Kg 0.200 0.1942 mg/Kg	Added Result Qualifier Unit D %Rec 0.100 0.1104 mg/Kg 110 0.100 0.1039 mg/Kg 104 0.100 0.09678 mg/Kg 97 0.200 0.1942 mg/Kg 97	Added Result Qualifier Unit D %Rec Limits 0.100 0.1104 mg/Kg 110 70 - 130 0.100 0.1039 mg/Kg 104 70 - 130 0.100 0.09678 mg/Kg 97 70 - 130 0.200 0.1942 mg/Kg 97 70 - 130	Added Result Qualifier Unit D %Rec Limits RPD 0.100 0.1104 mg/Kg 110 70 - 130 1 0.100 0.1039 mg/Kg 104 70 - 130 0 0.100 0.09678 mg/Kg 97 70 - 130 13 0.200 0.1942 mg/Kg 97 70 - 130 16

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	92	70 - 130
1.4-Difluorobenzene (Surr)	96	70 - 130

Lab Sample ID: 890-4950-21 MS

Matrix: Solid

Analysis Batch: 58285

Prep Type: Total/NA

Prep	Batch:	57974
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	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U F1 F2	0.0998	0.09302		mg/Kg		93	70 - 130	
Toluene	< 0.00199	U	0.0998	0.08926		mg/Kg		89	70 - 130	
Ethylbenzene	< 0.00199	U F1	0.0998	0.08829		mg/Kg		88	70 - 130	
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1897		mg/Kg		95	70 - 130	
o-Xylene	<0.00199	U	0.0998	0.08967		mg/Kg		89	70 - 130	

Client: Ensolum Job ID: 890-4950-1 Project/Site: Nash Unit 12

Limits

70 - 130

70 - 130

SDG: 03C1558259

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

93

Lab Sample ID: 890-4950-21 MS

Matrix: Solid

Analysis Batch: 58285

1,4-Difluorobenzene (Surr)

Client Sample ID: BH07B Prep Type: Total/NA

Prep Batch: 57974

MS MS Surrogate %Recovery Qualifier 4-Bromofluorobenzene (Surr) 105

Lab Sample ID: 890-4950-21 MSD Client Sample ID: BH07B

Matrix: Solid

Analysis Batch: 58285

Prep Type: Total/NA Prep Batch: 57974

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U F1 F2	0.101	0.1509	F1 F2	mg/Kg		150	70 - 130	47	35
Toluene	<0.00199	U	0.101	0.07692		mg/Kg		76	70 - 130	15	35
Ethylbenzene	<0.00199	U F1	0.101	0.06416	F1	mg/Kg		64	70 - 130	32	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1803		mg/Kg		89	70 - 130	5	35
o-Xylene	<0.00199	U	0.101	0.09619		mg/Kg		95	70 - 130	7	35

MSD MSD

Surrogate	%Recovery	Quaimer	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	149	S1+	70 - 130

Lab Sample ID: MB 880-58038/5-A

Matrix: Solid

Analysis Batch: 57991

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 58038

	IVID	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/19/23 12:10	07/19/23 23:08	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/19/23 12:10	07/19/23 23:08	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/19/23 12:10	07/19/23 23:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/19/23 12:10	07/19/23 23:08	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/19/23 12:10	07/19/23 23:08	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/19/23 12:10	07/19/23 23:08	1

мв мв

Surrogate	%Recovery Qua	alifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75	70 - 130	07/19/23 12:10	07/19/23 23:08	1
1,4-Difluorobenzene (Surr)	82	70 - 130	07/19/23 12:10	07/19/23 23:08	1

Lab Sample ID: LCS 880-58038/1-A

Released to Imaging: 5/15/2025 1:31:42 PM

Matrix: Solid

Analysis Batch: 57991

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 58038

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09164		mg/Kg		92	70 - 130	
Toluene	0.100	0.09342		mg/Kg		93	70 - 130	
Ethylbenzene	0.100	0.1114		mg/Kg		111	70 - 130	
m-Xylene & p-Xylene	0.200	0.2365		mg/Kg		118	70 - 130	
o-Xylene	0.100	0.1216		mg/Kg		122	70 - 130	

LCS LCS

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 126 70 - 130

Client: Ensolum Job ID: 890-4950-1 SDG: 03C1558259 Project/Site: Nash Unit 12

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

Lab Sample ID: LCS 880-58038/1-A

Matrix: Solid

Analysis Batch: 57991

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 58038

LCS LCS

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

Lab Sample ID: LCSD 880-58038/2-A

Matrix: Solid

Analysis Batch: 57991

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

Prep Batch: 58038

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09375		mg/Kg		94	70 - 130	2	35
Toluene	0.100	0.09222		mg/Kg		92	70 - 130	1	35
Ethylbenzene	0.100	0.1120		mg/Kg		112	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2359		mg/Kg		118	70 - 130	0	35
o-Xylene	0.100	0.1242		mg/Kg		124	70 - 130	2	35

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	122	70 - 130
1.4-Difluorobenzene (Surr)	94	70 - 130

Lab Sample ID: 880-30923-A-1-A MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 57991

Prep Type: Total/NA

Prep Batch: 58038

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.101	0.09054		mg/Kg		90	70 - 130	
Toluene	< 0.00199	U	0.101	0.08930		mg/Kg		88	70 - 130	
Ethylbenzene	< 0.00199	U	0.101	0.1043		mg/Kg		103	70 - 130	
m-Xylene & p-Xylene	<0.00398	U F1	0.202	0.2159		mg/Kg		107	70 - 130	
o-Xylene	<0.00199	U F1	0.101	0.1098		mg/Kg		109	70 - 130	

MS MS

Surrogate	%Recovery Qual	ifier Limits
4-Bromofluorobenzene (Surr)	116	70 - 130
1.4-Difluorobenzene (Surr)	100	70 - 130

Lab Sample ID: 880-30923-A-1-B MSD

Matrix: Solid

Analysis Batch: 57991

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 58038

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	<0.00199	U	0.100	0.1072		mg/Kg		107	70 - 130	17	35	
Toluene	< 0.00199	U	0.100	0.1056		mg/Kg		105	70 - 130	17	35	
Ethylbenzene	< 0.00199	U	0.100	0.1274		mg/Kg		127	70 - 130	20	35	
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.2635	F1	mg/Kg		131	70 - 130	20	35	
o-Xylene	< 0.00199	U F1	0.100	0.1331	F1	mg/Kg		133	70 - 130	19	35	

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	129		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Client: Ensolum Job ID: 890-4950-1 Project/Site: Nash Unit 12 SDG: 03C1558259

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

Lab Sample ID: MB 880-58149/5-A

Matrix: Solid

Analysis Batch: 58258

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 58149

1

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200	mg/Kg		07/20/23 13:41	07/22/23 09:58	
Toluene	<0.00200	U	0.00200	mg/Kg		07/20/23 13:41	07/22/23 09:58	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/20/23 13:41	07/22/23 09:58	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/20/23 13:41	07/22/23 09:58	
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/20/23 13:41	07/22/23 09:58	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/20/23 13:41	07/22/23 09:58	

MB MB

MR MR

<0.00200 U

Result Qualifier

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	87	70 - 130	07/20/23 13:41	07/22/23 09:58	
1,4-Difluorobenzene (Surr)	91	70 - 130	07/20/23 13:41	07/22/23 09:58	

RL

0.00200

Lab Sample ID: MB 880-58151/5-A

Matrix: Solid

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

Analysis Batch: 58250

Client Sample ID: Method Blank

Analyzed

07/22/23 10:55

Prepared

07/20/23 13:55

Prep Type: Total/NA

Prep Batch: 58151

Dil Fac

<0.00200 U 0.00200 mg/Kg 07/20/23 13:55 07/22/23 10:55 <0.00200 U 0.00200 mg/Kg 07/20/23 13:55 07/22/23 10:55 07/20/23 13:55 07/22/23 10:55 <0.00400 U 0.00400 mg/Kg <0.00200 U 0.00200 mg/Kg 07/20/23 13:55 07/22/23 10:55 07/20/23 13:55 07/22/23 10:55 <0.00400 U 0.00400

Unit

mg/Kg

mg/Kg

MB MB

Surrogate	%Recovery	Qualifier	Limits	Pre	pared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	07/20/	/23 13:55	07/22/23 10:55	1
1,4-Difluorobenzene (Surr)	112		70 - 130	07/20/	/23 13:55	07/22/23 10:55	1

Lab Sample ID: LCS 880-58151/1-A

Matrix: Solid

Analysis Batch: 58250

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 58151

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1198		mg/Kg		120	70 - 130	
Toluene	0.100	0.1100		mg/Kg		110	70 - 130	
Ethylbenzene	0.100	0.1136		mg/Kg		114	70 - 130	
m-Xylene & p-Xylene	0.200	0.2347		mg/Kg		117	70 - 130	
o-Xylene	0.100	0.1087		mg/Kg		109	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	98	70 _ 130
1.4-Difluorobenzene (Surr)	96	70 - 130

Lab Sample ID: LCSD 880-58151/2-A

Matrix: Solid

Analysis Batch: 58250

Client Sample ID: Lab	Control Sample Dup
	Date of Taxable Taxable I/NIA

Prep Type: Total/NA

Prep Batch: 58151

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08046	*1	mg/Kg		80	70 - 130	39	35

QC Sample Results

Client: Ensolum Job ID: 890-4950-1 Project/Site: Nash Unit 12 SDG: 03C1558259

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

Lab Sample ID: LCSD 880-58151/2-A

Matrix: Solid Analysis Batch: 58250 Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 58151

Spike LCSD LCSD %Rec **RPD** Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Toluene 0.100 0.06307 *- *1 63 70 - 130 35 mg/Kg 54 Ethylbenzene 0.100 0.05791 *- *1 mg/Kg 58 70 - 130 65 35 0.200 0.1105 *- *1 m-Xylene & p-Xylene mg/Kg 55 70 - 130 72 35 o-Xylene 0.100 0.05644 *- *1 mg/Kg 56 70 - 130 63

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-30968-A-3-A MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 58250

Prep Type: Total/NA

Prep Batch: 58151

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00198	U *1 F1	0.0994	0.1430	F1	mg/Kg		144	70 - 130	
Toluene	0.00242	*- *1 F1	0.0994	0.1488	F1	mg/Kg		147	70 - 130	
Ethylbenzene	0.00282	*- *1 F1	0.0994	0.1454	F1	mg/Kg		143	70 - 130	
m-Xylene & p-Xylene	0.00541	*- *1 F1	0.199	0.2656	F1	mg/Kg		131	70 - 130	
o-Xylene	0.00493	*- *1	0.0994	0.1193		mg/Kg		115	70 - 130	

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	124	70 - 130
1,4-Difluorobenzene (Surr)	88	70 - 130

Lab Sample ID: 880-30968-A-3-B MSD

Matrix: Solid

Analysis Batch: 58250

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 58151

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00198	U *1 F1	0.0998	0.1273		mg/Kg		128	70 - 130	12	35
Toluene	0.00242	*- *1 F1	0.0998	0.1137		mg/Kg		112	70 - 130	27	35
Ethylbenzene	0.00282	*- *1 F1	0.0998	0.1262		mg/Kg		124	70 - 130	14	35
m-Xylene & p-Xylene	0.00541	*- *1 F1	0.200	0.2500		mg/Kg		123	70 - 130	6	35
o-Xylene	0.00493	*- *1	0.0998	0.1125		mg/Kg		108	70 - 130	6	35

MSD MSD

Surrogate	%Recovery	Quaimer	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

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

Lab Sample ID: MB 880-58403/1-A

Matrix: Solid

Analysis Batch: 58772

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

Prep Batch: 58403

мв мв Result Qualifier RL Unit Prepared <50.0 U 50.0 mg/Kg 07/24/23 17:21 07/29/23 08:04 Gasoline Range Organics (GRO)-C6-C10

1-Chlorooctane

o-Terphenyl

Job ID: 890-4950-1

Client: Ensolum Project/Site: Nash Unit 12 SDG: 03C1558259

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

Lab Sample ID: MB 880-58403/1-A	Client Sample ID: Method Blank
Matrix: Solid	Prep Type: Total/NA
Analysis Batch: 58772	Prep Batch: 58403
MR MR	

MB	МВ						
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<50.0	U	50.0	mg/Kg		07/24/23 17:21	07/29/23 08:04	1
<50.0	U	50.0	mg/Kg		07/24/23 17:21	07/29/23 08:04	1
МВ	MB						
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
160	S1+	70 - 130			07/24/23 17:21	07/29/23 08:04	1
134	S1+	70 - 130			07/24/23 17:21	07/29/23 08:04	1
_	Result	MB MB Result Qualifier	Result Qualifier RL	Result Qualifier RL Unit <50.0	Result Qualifier RL Unit D mg/Kg	Result Qualifier RL State Unit Unit Unit Unit Unit Unit Unit Unit	Result Qualifier RL Unit D Prepared Analyzed <50.0

Lab Sample ID: LCS 880-5840	03/2-A						Client	Sample	ID: Lab Contr	ol Sample
Matrix: Solid									Prep Type	: Total/NA
Analysis Batch: 58772									Prep Bat	tch: 58403
			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics			1000	1019		mg/Kg		102	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over			1000	975.5		mg/Kg		98	70 - 130	
C10-C28)										
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							

70 - 130

70 - 130

Lab Sample ID: LCSD 880-58403/3-A				Clier	nt Sam	ו:טו pie ו	Lab Contro	ıl Sampl	e Dup
Matrix: Solid							Prep 1	Type: Tot	tal/NA
Analysis Batch: 58772							Prep	Batch:	58403
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	881.7		mg/Kg		88	70 - 130	14	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	804.1		mg/Kg		80	70 - 130	19	20
C10-C28)									

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	81		70 - 130

117

107

Lab Sample ID: 890-4950-1 MS Matrix: Solid Analysis Batch: 58772	;								Client Sample ID: B Prep Type: Tota Prep Batch: 58	I/NA
•	•	Sample	Spike		MS				%Rec	,,,,,
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	<u>D</u>	%Rec	Limits	

	Sample	Sample	Spike	IVIS	IVIS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1010	915.1		mg/Kg		89	70 - 130	
Diesel Range Organics (Over	73.4		1010	1210		mg/Kg		113	70 - 130	
C10-C28)										
	MS	MS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	123		70 - 130							
o-Terphenyl	96		70 - 130							

Client: Ensolum Job ID: 890-4950-1 Project/Site: Nash Unit 12 SDG: 03C1558259

> MSD MSD

924.2

1227

Result Qualifier

Unit

mg/Kg

mg/Kg

Spike

babbA

1010

1010

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

Sample Sample

<49.9 U

73.4

Result Qualifier

Lab Sample ID: 890-4950-1 MSD

Matrix: Solid

Analysis Batch: 58772

Gasoline Range Organics

Diesel Range Organics (Over

Client Sample ID: BH01 Prep Type: Total/NA

115

Prep Batch: 58403

RPD RPD Limit %Rec Limits 89 70 - 130 20

C10-C28)

(GRO)-C6-C10

Analyte

MSD MSD %Recovery Qualifier Limits Surrogate 70 - 130 1-Chlorooctane 123 o-Terphenyl 96 70 - 130

Lab Sample ID: MB 880-58404/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 58772

70 - 130

Prep Type: Total/NA

Prep Batch: 58404

мв мв Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 50.0 07/29/23 19:40 Gasoline Range Organics <50.0 U mg/Kg 07/24/23 17:29 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 07/24/23 17:29 07/29/23 19:40 OII Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 07/24/23 17:29 07/29/23 19:40

MB MB

%Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 1-Chlorooctane 161 S1+ 70 - 130 07/24/23 17:29 07/29/23 19:40 70 - 130 o-Terphenyl 148 S1+ 07/24/23 17:29 07/29/23 19:40

Lab Sample ID: LCS 880-58404/2-A

Matrix: Solid

Analysis Batch: 58772

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 58404

LCS LCS Spike %Rec Added Analyte Result Qualifier Unit D %Rec Limits Gasoline Range Organics 1000 941.0 mg/Kg 94 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over 1000 949.1 mg/Kg 95 70 - 130 C10-C28)

LCS LCS

Qualifier Limits %Recovery Surrogate 70 - 130 1-Chlorooctane 108 101 70 - 130 o-Terphenyl

Lab Sample ID: LCSD 880-58404/3-A

Matrix: Solid

Analysis Batch: 58772

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 58404

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1070		mg/Kg		107	70 - 130	13	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1092		mg/Kg		109	70 - 130	14	20
C10-C28)									

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Client: Ensolum Project/Site: Nash Unit 12 SDG: 03C1558259

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

Lab Sample ID: LCSD 880-58404/3-A

Matrix: Solid

Analysis Batch: 58772

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 58404

LCSD LCSD

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 101 70 - 130 o-Terphenyl 90 70 - 130

Lab Sample ID: 890-4950-21 MS Client Sample ID: BH07B

Matrix: Solid Prep Type: Total/NA Analysis Batch: 58772 Prep Batch: 58404

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits <50.3 U 998 1226 120 70 - 130Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 998 1805 F1 179 <50.3 U F1 mg/Kg 70 - 130C10-C28)

MS MS

Surrogate %Recovery Qualifier Limits 167 S1+ 70 - 130 1-Chlorooctane 138 S1+ 70 - 130 o-Terphenyl

Lab Sample ID: 890-4950-21 MSD

Matrix: Solid

(GRO)-C6-C10

Analysis Batch: 58772

Client Sample ID: BH07B Prep Type: Total/NA

Prep Batch: 58404

Sample Sample MSD MSD RPD Spike Added Result Qualifier Result Qualifier Unit %Rec Limits RPD Limit D Gasoline Range Organics <50.3 U 998 1207 mg/Kg 118 70 - 130 2 20 Diesel Range Organics (Over <50.3 UF1 998 1792 F1 mg/Kg 178 70 - 130 20

C10-C28)

Analyte

MSD MSD %Recovery Qualifier Surrogate Limits S1+ 70 - 130 1-Chlorooctane 165 137 S1+ o-Terphenyl 70 - 130

Lab Sample ID: MB 880-58405/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 58792 Prep Batch: 58405 мв мв

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 07/24/23 17:37 07/30/23 08:16 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 07/24/23 17:37 07/30/23 08:16 C10-C28) OII Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 07/24/23 17:37 07/30/23 08:16

MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 163 S1+ 70 - 130 07/24/23 17:37 07/30/23 08:16 o-Terphenyl 155 S1+ 70 - 130 07/24/23 17:37 07/30/23 08:16

QC Sample Results

Job ID: 890-4950-1 Client: Ensolum Project/Site: Nash Unit 12 SDG: 03C1558259

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

Lab Sample ID: LCS 880-58405/2-A Client Sample ID: Lab Control Sample

Matrix: Solid Analysis Batch: 58792 Prep Type: Total/NA Prep Batch: 58405

Spike LCS LCS Analyte Added Result Qualifier Unit %Rec Limits D Gasoline Range Organics 1000 973.8 mg/Kg 97 70 - 130 (GRO)-C6-C10 1000 1043 104 70 - 130 Diesel Range Organics (Over mg/Kg C10-C28)

LCS LCS %Recovery Qualifier Limits Surrogate 70 - 130 1-Chlorooctane 114 o-Terphenyl 116 70 - 130

Lab Sample ID: LCSD 880-58405/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 58792

Prep Type: Total/NA Prep Batch: 58405 %Rec RPD Unit D %Rec Limits **RPD** Limit

124

70 - 130

Spike LCSD LCSD Analyte Added Result Qualifier 1000 Gasoline Range Organics 965.4 mg/Kg 97 70 - 130 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 1058 mg/Kg 106 70 - 130 20 C10-C28)

LCSD LCSD Qualifier Surrogate %Recovery Limits 1-Chlorooctane 114 70 - 130 119 70 - 130 o-Terphenyl

Lab Sample ID: 890-4950-41 MS Client Sample ID: BH14A **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 58792 Prep Batch: 58405 Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits <50.2 U 998 865.6 87 70 - 130

Gasoline Range Organics mg/Kg (GRO)-C6-C10 998 1257 Diesel Range Organics (Over <50.2 U mg/Kg C10-C28)

MS MS Qualifier Limits Surrogate %Recovery 1-Chlorooctane 122 70 - 130 103 70 - 130

Lab Sample ID: 890-4950-41 MSD Client Sample ID: BH14A **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 58792

o-Terphenyl

C10-C28)

Prep Batch: 58405 Sample Sample Spike MSD MSD %Rec RPD Result Qualifier RPD Limit Analyte Added Result Qualifier Limits Unit D %Rec Gasoline Range Organics <50.2 U 998 863.9 87 70 - 130 20 mg/Kg 0 (GRO)-C6-C10 998 Diesel Range Organics (Over <50.2 U 1249 mg/Kg 123 70 - 13020

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

Client Sample ID: BH14A

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 58405

Prep Type: Soluble

QC Sample Results

Job ID: 890-4950-1 Client: Ensolum Project/Site: Nash Unit 12 SDG: 03C1558259

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

Lab Sample ID: 890-4950-41 MSD **Matrix: Solid**

Lab Sample ID: MB 880-57875/1-A

Analysis Batch: 58792

MSD MSD

Surrogate %Recovery Qualifier Limits o-Terphenyl 102 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Matrix: Solid

Analysis Batch: 58007

MB MB

Analyte Result Qualifier RL Unit D Dil Fac Prepared Analyzed Chloride <5.00 5.00 07/19/23 08:12 U mg/Kg

Lab Sample ID: LCS 880-57875/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 58007

LCS LCS Spike %Rec Added Result Qualifier Analyte Unit D %Rec Limits Chloride 250 238.8 mg/Kg 96 90 - 110

Lab Sample ID: LCSD 880-57875/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 58007

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Chloride 250 234.9 mg/Kg 90 - 110 20

Lab Sample ID: 890-4950-46 MS Client Sample ID: BH16 **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 58007

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 18400 F1 12400 28570 F1 82 90 - 110 mg/Kg

Lab Sample ID: 890-4950-46 MSD

Matrix: Solid

Analysis Batch: 58007

Sample Sample Spike MSD MSD %Rec RPD Qualifier Added Qualifier RPD Limit Analyte Result Result Unit %Rec Limits Chloride 18400 F1 12400 28280 F1 90 - 110 mg/Kg

Lab Sample ID: MB 880-57873/1-A

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Matrix: Solid

Analysis Batch: 58008

MB MB

Result Qualifier Analyte RL Unit Analyzed Dil Fac D Prepared Chloride 5.00 <5.00 U 07/19/23 08:38 mg/Kg

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Client Sample ID: Method Blank

Client Sample ID: BH16

Prep Type: Soluble

Prep Type: Soluble

Job ID: 890-4950-1 Client: Ensolum Project/Site: Nash Unit 12 SDG: 03C1558259

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-57873/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 58008

Spike LCS LCS %Rec Analyte Added Result Qualifier %Rec Limits Unit Chloride 250 241.5 mg/Kg 97 90 - 110

Lab Sample ID: LCSD 880-57873/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 58008

Spike LCSD LCSD %Rec RPD Added Analyte Result Qualifier Unit D %Rec Limits RPD Limit Chloride 250 241.4 mg/Kg 97 0

Lab Sample ID: 890-4950-1 MS Client Sample ID: BH01 **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 58008

Spike MS MS %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits

Chloride 43900 12600 55910 mg/Kg 90 - 110 Client Sample ID: BH01

Lab Sample ID: 890-4950-1 MSD

Matrix: Solid

Analysis Batch: 58008

MSD MSD RPD Spike %Rec Sample Sample Added %Rec RPD Limit Analyte Result Qualifier Result Qualifier Unit D Limits Chloride 43900 12600 55960 90 - 110 20 mg/Kg

Lab Sample ID: 890-4950-11 MS Client Sample ID: BH04A **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 58008

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 41600 12600 54420 102 90 - 110 mg/Kg

Lab Sample ID: 890-4950-11 MSD

Matrix: Solid

Analysis Batch: 58008

Sample Sample Spike MSD MSD %Rec RPD Result Qualifier Added RPD Analyte Result Qualifier Unit D %Rec Limits Limit Chloride 41600 12600 54440 mg/Kg 102 90 - 110

Lab Sample ID: MB 880-57874/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 58010

мв мв Dil Fac Result Qualifier RL Unit Analyte Prepared Analyzed Chloride <5.00 5.00 mg/Kg 07/19/23 09:17

Lab Sample ID: LCS 880-57874/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 58010

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7 manyono Batom Goo 10								
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	 250	239.1		mg/Kg		96	90 - 110	

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Prep Type: Soluble

Client Sample ID: BH04A

Prep Type: Soluble

QC Sample Results

Client: Ensolum Job ID: 890-4950-1 Project/Site: Nash Unit 12 SDG: 03C1558259

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-57874/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 58010

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Chloride 250 237.8 mg/Kg 95 90 - 110 20

Lab Sample ID: 890-4950-21 MS Client Sample ID: BH07B

Matrix: Solid Prep Type: Soluble

Analysis Batch: 58010

Sample Sample Spike MS MS %Rec Result Qualifier Analyte Added Result Qualifier Unit D %Rec Limits Chloride 40600 12600 52320 mg/Kg 93 90 - 110

Lab Sample ID: 890-4950-21 MSD Client Sample ID: BH07B

Matrix: Solid Prep Type: Soluble

Analysis Batch: 58010

MSD MSD %Rec RPD Spike Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 40600 12600 52130 90 - 110 mg/Kg

Lab Sample ID: 890-4950-31 MS Client Sample ID: BH11 **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 58010

MS MS Sample Sample Spike %Rec Analyte Qualifier Added Unit %Rec Result Result Qualifier Limits 12500 Chloride 29000 41080 97 90 - 110 mg/Kg

Lab Sample ID: 890-4950-31 MSD

Matrix: Solid

Analysis Batch: 58010

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit 12500 Chloride 29000 41200 mg/Kg 98 90 - 110 0 20

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Client Sample ID: BH11

Prep Type: Soluble

 Client: Ensolum
 Job ID: 890-4950-1

 Project/Site: Nash Unit 12
 SDG: 03C1558259

GC VOA

Prep Batch: 57971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-57971/5-B	Method Blank	Total/NA	Solid	5035	

Prep Batch: 57972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4950-1	BH01	Total/NA	Solid	5035	
890-4950-2	BH01A	Total/NA	Solid	5035	
890-4950-3	BH01B	Total/NA	Solid	5035	
890-4950-4	BH02	Total/NA	Solid	5035	
890-4950-5	BH02A	Total/NA	Solid	5035	
890-4950-6	BH02B	Total/NA	Solid	5035	
890-4950-7	BH03	Total/NA	Solid	5035	
890-4950-8	BH03A	Total/NA	Solid	5035	
890-4950-9	ВН03В	Total/NA	Solid	5035	
890-4950-10	BH04	Total/NA	Solid	5035	
890-4950-11	BH04A	Total/NA	Solid	5035	
890-4950-12	BH04B	Total/NA	Solid	5035	
890-4950-13	BH05	Total/NA	Solid	5035	
890-4950-14	BH05A	Total/NA	Solid	5035	
890-4950-15	BH05B	Total/NA	Solid	5035	
890-4950-16	BH06	Total/NA	Solid	5035	
890-4950-17	BH06A	Total/NA	Solid	5035	
890-4950-18	BH06B	Total/NA	Solid	5035	
890-4950-19	BH07	Total/NA	Solid	5035	
890-4950-20	BH07A	Total/NA	Solid	5035	
MB 880-57972/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-57972/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-57972/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4950-1 MS	BH01	Total/NA	Solid	5035	
890-4950-1 MSD	BH01	Total/NA	Solid	5035	

Prep Batch: 57974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-4950-21	ВН07В	Total/NA	Solid	5035	
890-4950-22	BH08	Total/NA	Solid	5035	
890-4950-23	BH08A	Total/NA	Solid	5035	
890-4950-24	BH08B	Total/NA	Solid	5035	
890-4950-25	ВН09	Total/NA	Solid	5035	
890-4950-26	BH09A	Total/NA	Solid	5035	
890-4950-27	BH09B	Total/NA	Solid	5035	
890-4950-28	BH10	Total/NA	Solid	5035	
890-4950-29	BH10A	Total/NA	Solid	5035	
890-4950-30	BH10B	Total/NA	Solid	5035	
390-4950-31	BH11	Total/NA	Solid	5035	
890-4950-32	BH11A	Total/NA	Solid	5035	
890-4950-33	BH11B	Total/NA	Solid	5035	
890-4950-34	BH12	Total/NA	Solid	5035	
890-4950-35	BH12A	Total/NA	Solid	5035	
890-4950-36	BH12B	Total/NA	Solid	5035	
890-4950-37	BH13	Total/NA	Solid	5035	
390-4950-38	BH13A	Total/NA	Solid	5035	
890-4950-39	BH13B	Total/NA	Solid	5035	

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 Client: Ensolum
 Job ID: 890-4950-1

 Project/Site: Nash Unit 12
 SDG: 03C1558259

GC VOA (Continued)

Prep Batch: 57974 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4950-40	BH14	Total/NA	Solid	5035	
MB 880-57974/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-57974/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-57974/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4950-21 MS	ВН07В	Total/NA	Solid	5035	
890-4950-21 MSD	BH07B	Total/NA	Solid	5035	

Analysis Batch: 57991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4950-51	BH17B	Total/NA	Solid	8021B	58038
MB 880-57971/5-B	Method Blank	Total/NA	Solid	8021B	57971
MB 880-58038/5-A	Method Blank	Total/NA	Solid	8021B	58038
LCS 880-58038/1-A	Lab Control Sample	Total/NA	Solid	8021B	58038
LCSD 880-58038/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	58038
880-30923-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	58038
880-30923-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	58038

Prep Batch: 58038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4950-51	BH17B	Total/NA	Solid	5035	
MB 880-58038/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-58038/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-58038/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-30923-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-30923-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 58124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
890-4950-1	BH01	Total/NA	Solid	Total BTEX	-
890-4950-2	BH01A	Total/NA	Solid	Total BTEX	
890-4950-3	BH01B	Total/NA	Solid	Total BTEX	
890-4950-4	BH02	Total/NA	Solid	Total BTEX	
890-4950-5	BH02A	Total/NA	Solid	Total BTEX	
890-4950-6	BH02B	Total/NA	Solid	Total BTEX	
890-4950-7	BH03	Total/NA	Solid	Total BTEX	
890-4950-8	BH03A	Total/NA	Solid	Total BTEX	
890-4950-9	BH03B	Total/NA	Solid	Total BTEX	
890-4950-10	BH04	Total/NA	Solid	Total BTEX	
890-4950-11	BH04A	Total/NA	Solid	Total BTEX	
890-4950-12	BH04B	Total/NA	Solid	Total BTEX	
890-4950-13	BH05	Total/NA	Solid	Total BTEX	
890-4950-14	BH05A	Total/NA	Solid	Total BTEX	
890-4950-15	BH05B	Total/NA	Solid	Total BTEX	
890-4950-16	BH06	Total/NA	Solid	Total BTEX	
890-4950-17	BH06A	Total/NA	Solid	Total BTEX	
890-4950-18	BH06B	Total/NA	Solid	Total BTEX	
890-4950-19	BH07	Total/NA	Solid	Total BTEX	
890-4950-20	BH07A	Total/NA	Solid	Total BTEX	
890-4950-21	ВН07В	Total/NA	Solid	Total BTEX	
890-4950-22	BH08	Total/NA	Solid	Total BTEX	
890-4950-23	BH08A	Total/NA	Solid	Total BTEX	

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Client: Ensolum Job ID: 890-4950-1 Project/Site: Nash Unit 12 SDG: 03C1558259

GC VOA (Continued)

Analysis Batch: 58124 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
890-4950-24	BH08B	Total/NA	Solid	Total BTEX	
890-4950-25	BH09	Total/NA	Solid	Total BTEX	
890-4950-26	BH09A	Total/NA	Solid	Total BTEX	
890-4950-27	ВН09В	Total/NA	Solid	Total BTEX	
890-4950-28	BH10	Total/NA	Solid	Total BTEX	
890-4950-29	BH10A	Total/NA	Solid	Total BTEX	
890-4950-30	BH10B	Total/NA	Solid	Total BTEX	
890-4950-31	BH11	Total/NA	Solid	Total BTEX	
890-4950-32	BH11A	Total/NA	Solid	Total BTEX	
890-4950-33	BH11B	Total/NA	Solid	Total BTEX	
890-4950-34	BH12	Total/NA	Solid	Total BTEX	
890-4950-35	BH12A	Total/NA	Solid	Total BTEX	
390-4950-36	BH12B	Total/NA	Solid	Total BTEX	
390-4950-37	BH13	Total/NA	Solid	Total BTEX	
390-4950-38	BH13A	Total/NA	Solid	Total BTEX	
390-4950-39	BH13B	Total/NA	Solid	Total BTEX	
390-4950-40	BH14	Total/NA	Solid	Total BTEX	
890-4950-41	BH14A	Total/NA	Solid	Total BTEX	
890-4950-42	BH14B	Total/NA	Solid	Total BTEX	
390-4950-43	BH15	Total/NA	Solid	Total BTEX	
390-4950-44	BH15A	Total/NA	Solid	Total BTEX	
890-4950-45	BH15B	Total/NA	Solid	Total BTEX	
390-4950-46	BH16	Total/NA	Solid	Total BTEX	
890-4950-47	BH16A	Total/NA	Solid	Total BTEX	
890-4950-48	BH17	Total/NA	Solid	Total BTEX	
890-4950-49	BH16B	Total/NA	Solid	Total BTEX	
890-4950-50	BH17A	Total/NA	Solid	Total BTEX	
890-4950-51	BH17B	Total/NA	Solid	Total BTEX	

Prep Batch: 58149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-58149/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 58151

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
890-4950-41	BH14A	Total/NA	Solid	5035	
890-4950-42	BH14B	Total/NA	Solid	5035	
890-4950-43	BH15	Total/NA	Solid	5035	
890-4950-44	BH15A	Total/NA	Solid	5035	
890-4950-45	BH15B	Total/NA	Solid	5035	
890-4950-46	BH16	Total/NA	Solid	5035	
890-4950-47	BH16A	Total/NA	Solid	5035	
890-4950-48	BH17	Total/NA	Solid	5035	
890-4950-49	BH16B	Total/NA	Solid	5035	
890-4950-50	BH17A	Total/NA	Solid	5035	
MB 880-58151/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-58151/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-58151/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-30968-A-3-A MS	Matrix Spike	Total/NA	Solid	5035	
880-30968-A-3-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Client: Ensolum Job ID: 890-4950-1 Project/Site: Nash Unit 12 SDG: 03C1558259

GC VOA

Analysis Batch: 58250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4950-41	BH14A	Total/NA	Solid	8021B	58151
890-4950-42	BH14B	Total/NA	Solid	8021B	58151
890-4950-43	BH15	Total/NA	Solid	8021B	58151
890-4950-44	BH15A	Total/NA	Solid	8021B	58151
890-4950-45	BH15B	Total/NA	Solid	8021B	58151
890-4950-46	BH16	Total/NA	Solid	8021B	58151
890-4950-47	BH16A	Total/NA	Solid	8021B	58151
890-4950-48	BH17	Total/NA	Solid	8021B	58151
890-4950-49	BH16B	Total/NA	Solid	8021B	58151
890-4950-50	BH17A	Total/NA	Solid	8021B	58151
MB 880-58151/5-A	Method Blank	Total/NA	Solid	8021B	58151
LCS 880-58151/1-A	Lab Control Sample	Total/NA	Solid	8021B	58151
LCSD 880-58151/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	58151
880-30968-A-3-A MS	Matrix Spike	Total/NA	Solid	8021B	58151
880-30968-A-3-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	58151

Analysis Batch: 58258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
890-4950-1	BH01	Total/NA	Solid	8021B	5797
890-4950-2	BH01A	Total/NA	Solid	8021B	5797
890-4950-3	BH01B	Total/NA	Solid	8021B	5797
890-4950-4	BH02	Total/NA	Solid	8021B	5797
890-4950-5	BH02A	Total/NA	Solid	8021B	5797
890-4950-6	BH02B	Total/NA	Solid	8021B	5797
890-4950-7	BH03	Total/NA	Solid	8021B	5797
890-4950-8	BH03A	Total/NA	Solid	8021B	5797
890-4950-9	BH03B	Total/NA	Solid	8021B	5797
890-4950-10	BH04	Total/NA	Solid	8021B	5797
890-4950-11	BH04A	Total/NA	Solid	8021B	5797
890-4950-12	BH04B	Total/NA	Solid	8021B	5797
890-4950-13	BH05	Total/NA	Solid	8021B	5797
890-4950-14	BH05A	Total/NA	Solid	8021B	5797
890-4950-15	BH05B	Total/NA	Solid	8021B	5797
890-4950-16	BH06	Total/NA	Solid	8021B	5797
890-4950-17	BH06A	Total/NA	Solid	8021B	5797
890-4950-18	ВН06В	Total/NA	Solid	8021B	5797
890-4950-19	BH07	Total/NA	Solid	8021B	5797
890-4950-20	BH07A	Total/NA	Solid	8021B	5797
MB 880-57972/5-A	Method Blank	Total/NA	Solid	8021B	5797
MB 880-58149/5-A	Method Blank	Total/NA	Solid	8021B	5814
LCS 880-57972/1-A	Lab Control Sample	Total/NA	Solid	8021B	5797
LCSD 880-57972/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	5797
890-4950-1 MS	BH01	Total/NA	Solid	8021B	5797
890-4950-1 MSD	BH01	Total/NA	Solid	8021B	5797

Analysis Batch: 58285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4950-21	ВН07В	Total/NA	Solid	8021B	57974
890-4950-22	BH08	Total/NA	Solid	8021B	57974
890-4950-23	BH08A	Total/NA	Solid	8021B	57974
890-4950-24	BH08B	Total/NA	Solid	8021B	57974

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Client: Ensolum Job ID: 890-4950-1 Project/Site: Nash Unit 12 SDG: 03C1558259

GC VOA (Continued)

Analysis Batch: 58285 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4950-25	BH09	Total/NA	Solid	8021B	57974
890-4950-26	ВН09А	Total/NA	Solid	8021B	57974
890-4950-27	BH09B	Total/NA	Solid	8021B	57974
890-4950-28	BH10	Total/NA	Solid	8021B	57974
890-4950-29	BH10A	Total/NA	Solid	8021B	57974
890-4950-30	BH10B	Total/NA	Solid	8021B	57974
890-4950-31	BH11	Total/NA	Solid	8021B	57974
890-4950-32	BH11A	Total/NA	Solid	8021B	57974
890-4950-33	BH11B	Total/NA	Solid	8021B	57974
890-4950-34	BH12	Total/NA	Solid	8021B	57974
890-4950-35	BH12A	Total/NA	Solid	8021B	57974
890-4950-36	BH12B	Total/NA	Solid	8021B	57974
890-4950-37	BH13	Total/NA	Solid	8021B	57974
890-4950-38	BH13A	Total/NA	Solid	8021B	57974
890-4950-39	BH13B	Total/NA	Solid	8021B	57974
890-4950-40	BH14	Total/NA	Solid	8021B	57974
MB 880-57974/5-A	Method Blank	Total/NA	Solid	8021B	57974
LCS 880-57974/1-A	Lab Control Sample	Total/NA	Solid	8021B	57974
LCSD 880-57974/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	57974
890-4950-21 MS	ВН07В	Total/NA	Solid	8021B	57974
890-4950-21 MSD	BH07B	Total/NA	Solid	8021B	57974

GC Semi VOA

Prep Batch: 58403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
890-4950-1	BH01	Total/NA	Solid	8015NM Prep	
890-4950-2	BH01A	Total/NA	Solid	8015NM Prep	
890-4950-3	BH01B	Total/NA	Solid	8015NM Prep	
890-4950-4	BH02	Total/NA	Solid	8015NM Prep	
890-4950-5	BH02A	Total/NA	Solid	8015NM Prep	
890-4950-6	BH02B	Total/NA	Solid	8015NM Prep	
390-4950-7	BH03	Total/NA	Solid	8015NM Prep	
390-4950-8	ВН03А	Total/NA	Solid	8015NM Prep	
390-4950-9	ВН03В	Total/NA	Solid	8015NM Prep	
890-4950-10	BH04	Total/NA	Solid	8015NM Prep	
90-4950-11	BH04A	Total/NA	Solid	8015NM Prep	
890-4950-12	BH04B	Total/NA	Solid	8015NM Prep	
390-4950-13	BH05	Total/NA	Solid	8015NM Prep	
390-4950-14	BH05A	Total/NA	Solid	8015NM Prep	
890-4950-15	BH05B	Total/NA	Solid	8015NM Prep	
890-4950-16	BH06	Total/NA	Solid	8015NM Prep	
390-4950-17	BH06A	Total/NA	Solid	8015NM Prep	
890-4950-18	BH06B	Total/NA	Solid	8015NM Prep	
890-4950-19	BH07	Total/NA	Solid	8015NM Prep	
890-4950-20	ВН07А	Total/NA	Solid	8015NM Prep	
MB 880-58403/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-58403/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-58403/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4950-1 MS	BH01	Total/NA	Solid	8015NM Prep	
890-4950-1 MSD	BH01	Total/NA	Solid	8015NM Prep	

 Client: Ensolum
 Job ID: 890-4950-1

 Project/Site: Nash Unit 12
 SDG: 03C1558259

GC Semi VOA

Prep Batch: 58404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
890-4950-21	ВН07В	Total/NA	Solid	8015NM Prep	
890-4950-22	BH08	Total/NA	Solid	8015NM Prep	
890-4950-23	BH08A	Total/NA	Solid	8015NM Prep	
890-4950-24	BH08B	Total/NA	Solid	8015NM Prep	
890-4950-25	BH09	Total/NA	Solid	8015NM Prep	
890-4950-26	BH09A	Total/NA	Solid	8015NM Prep	
890-4950-27	ВН09В	Total/NA	Solid	8015NM Prep	
890-4950-28	BH10	Total/NA	Solid	8015NM Prep	
890-4950-29	BH10A	Total/NA	Solid	8015NM Prep	
890-4950-30	BH10B	Total/NA	Solid	8015NM Prep	
890-4950-31	BH11	Total/NA	Solid	8015NM Prep	
890-4950-32	BH11A	Total/NA	Solid	8015NM Prep	
890-4950-33	BH11B	Total/NA	Solid	8015NM Prep	
890-4950-34	BH12	Total/NA	Solid	8015NM Prep	
890-4950-35	BH12A	Total/NA	Solid	8015NM Prep	
890-4950-36	BH12B	Total/NA	Solid	8015NM Prep	
890-4950-37	BH13	Total/NA	Solid	8015NM Prep	
890-4950-38	BH13A	Total/NA	Solid	8015NM Prep	
890-4950-39	BH13B	Total/NA	Solid	8015NM Prep	
890-4950-40	BH14	Total/NA	Solid	8015NM Prep	
MB 880-58404/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-58404/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-58404/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4950-21 MS	ВН07В	Total/NA	Solid	8015NM Prep	
890-4950-21 MSD	BH07B	Total/NA	Solid	8015NM Prep	

Prep Batch: 58405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4950-41	BH14A	Total/NA	Solid	8015NM Prep	
890-4950-42	BH14B	Total/NA	Solid	8015NM Prep	
890-4950-43	BH15	Total/NA	Solid	8015NM Prep	
890-4950-44	BH15A	Total/NA	Solid	8015NM Prep	
890-4950-45	BH15B	Total/NA	Solid	8015NM Prep	
890-4950-46	BH16	Total/NA	Solid	8015NM Prep	
890-4950-47	BH16A	Total/NA	Solid	8015NM Prep	
890-4950-48	BH17	Total/NA	Solid	8015NM Prep	
890-4950-49	BH16B	Total/NA	Solid	8015NM Prep	
890-4950-50	BH17A	Total/NA	Solid	8015NM Prep	
890-4950-51	BH17B	Total/NA	Solid	8015NM Prep	
MB 880-58405/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-58405/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-58405/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4950-41 MS	BH14A	Total/NA	Solid	8015NM Prep	
890-4950-41 MSD	BH14A	Total/NA	Solid	8015NM Prep	

Analysis Batch: 58772

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4950-1	BH01	Total/NA	Solid	8015B NM	58403
890-4950-2	BH01A	Total/NA	Solid	8015B NM	58403
890-4950-3	BH01B	Total/NA	Solid	8015B NM	58403
890-4950-4	BH02	Total/NA	Solid	8015B NM	58403

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 Client: Ensolum
 Job ID: 890-4950-1

 Project/Site: Nash Unit 12
 SDG: 03C1558259

GC Semi VOA (Continued)

Analysis Batch: 58772 (Continued)

_ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
390-4950-5	BH02A	Total/NA	Solid	8015B NM	58403
90-4950-6	BH02B	Total/NA	Solid	8015B NM	58403
90-4950-7	BH03	Total/NA	Solid	8015B NM	58403
90-4950-8	ВН03А	Total/NA	Solid	8015B NM	58403
390-4950-9	ВН03В	Total/NA	Solid	8015B NM	58403
90-4950-10	BH04	Total/NA	Solid	8015B NM	58403
390-4950-11	BH04A	Total/NA	Solid	8015B NM	58403
390-4950-12	BH04B	Total/NA	Solid	8015B NM	58403
390-4950-13	BH05	Total/NA	Solid	8015B NM	58403
90-4950-14	BH05A	Total/NA	Solid	8015B NM	58403
90-4950-15	BH05B	Total/NA	Solid	8015B NM	58403
390-4950-16	BH06	Total/NA	Solid	8015B NM	58403
390-4950-17	BH06A	Total/NA	Solid	8015B NM	58403
390-4950-18	BH06B	Total/NA	Solid	8015B NM	58403
390-4950-19	BH07	Total/NA	Solid	8015B NM	58403
90-4950-20	ВН07А	Total/NA	Solid	8015B NM	58403
90-4950-21	внотв	Total/NA	Solid	8015B NM	58404
90-4950-22	BH08	Total/NA	Solid	8015B NM	58404
90-4950-23	BH08A	Total/NA	Solid	8015B NM	58404
90-4950-24	BH08B	Total/NA	Solid	8015B NM	58404
90-4950-25	ВН09	Total/NA	Solid	8015B NM	58404
90-4950-26	ВН09А	Total/NA	Solid	8015B NM	58404
90-4950-27	вноэв	Total/NA	Solid	8015B NM	58404
390-4950-28	BH10	Total/NA	Solid	8015B NM	58404
90-4950-29	BH10A	Total/NA	Solid	8015B NM	58404
90-4950-30	BH10B	Total/NA	Solid	8015B NM	58404
90-4950-31	BH11	Total/NA	Solid	8015B NM	58404
90-4950-32	BH11A	Total/NA	Solid	8015B NM	58404
90-4950-33	BH11B	Total/NA	Solid	8015B NM	58404
90-4950-34	BH12	Total/NA	Solid	8015B NM	58404
90-4950-35	BH12A	Total/NA	Solid	8015B NM	58404
90-4950-36	BH12B	Total/NA	Solid	8015B NM	58404
90-4950-37	BH13	Total/NA	Solid	8015B NM	58404
90-4950-38	BH13A	Total/NA	Solid	8015B NM	58404
90-4950-39	BH13B	Total/NA	Solid	8015B NM	58404
90-4950-40	BH14	Total/NA	Solid	8015B NM	58404
/IB 880-58403/1-A	Method Blank	Total/NA	Solid	8015B NM	58403
/IB 880-58404/1-A	Method Blank	Total/NA	Solid	8015B NM	58404
.CS 880-58403/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	58403
.CS 880-58404/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	58404
.CSD 880-58403/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	58403
.CSD 880-58404/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	58404
90-4950-1 MS	BH01	Total/NA	Solid	8015B NM	58403
890-4950-1 MSD	BH01	Total/NA	Solid	8015B NM	58400
390-4950-1 MSD					58404
130-4300-Z I IVIO	BH07B	Total/NA	Solid	8015B NM	50404

Analysis Batch: 58792

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4950-41	BH14A	Total/NA	Solid	8015B NM	58405
890-4950-42	BH14B	Total/NA	Solid	8015B NM	58405

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 Client: Ensolum
 Job ID: 890-4950-1

 Project/Site: Nash Unit 12
 SDG: 03C1558259

GC Semi VOA (Continued)

Analysis Batch: 58792 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4950-43	BH15	Total/NA	Solid	8015B NM	58405
890-4950-44	BH15A	Total/NA	Solid	8015B NM	58405
890-4950-45	BH15B	Total/NA	Solid	8015B NM	58405
890-4950-46	BH16	Total/NA	Solid	8015B NM	58405
890-4950-47	BH16A	Total/NA	Solid	8015B NM	58405
890-4950-48	BH17	Total/NA	Solid	8015B NM	58405
890-4950-49	BH16B	Total/NA	Solid	8015B NM	58405
890-4950-50	BH17A	Total/NA	Solid	8015B NM	58405
890-4950-51	BH17B	Total/NA	Solid	8015B NM	58405
MB 880-58405/1-A	Method Blank	Total/NA	Solid	8015B NM	58405
LCS 880-58405/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	58405
LCSD 880-58405/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	58405
890-4950-41 MS	BH14A	Total/NA	Solid	8015B NM	58405
890-4950-41 MSD	BH14A	Total/NA	Solid	8015B NM	58405

Analysis Batch: 58909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
390-4950-1	BH01	Total/NA	Solid	8015 NM	_
890-4950-2	BH01A	Total/NA	Solid	8015 NM	
890-4950-3	BH01B	Total/NA	Solid	8015 NM	
890-4950-4	BH02	Total/NA	Solid	8015 NM	
890-4950-5	BH02A	Total/NA	Solid	8015 NM	
890-4950-6	BH02B	Total/NA	Solid	8015 NM	
890-4950-7	BH03	Total/NA	Solid	8015 NM	
890-4950-8	ВН03А	Total/NA	Solid	8015 NM	
890-4950-9	ВН03В	Total/NA	Solid	8015 NM	
890-4950-10	BH04	Total/NA	Solid	8015 NM	
890-4950-11	BH04A	Total/NA	Solid	8015 NM	
890-4950-12	ВН04В	Total/NA	Solid	8015 NM	
890-4950-13	BH05	Total/NA	Solid	8015 NM	
890-4950-14	BH05A	Total/NA	Solid	8015 NM	
890-4950-15	BH05B	Total/NA	Solid	8015 NM	
890-4950-16	BH06	Total/NA	Solid	8015 NM	
890-4950-17	BH06A	Total/NA	Solid	8015 NM	
890-4950-18	BH06B	Total/NA	Solid	8015 NM	
890-4950-19	BH07	Total/NA	Solid	8015 NM	
890-4950-20	BH07A	Total/NA	Solid	8015 NM	
890-4950-21	внотв	Total/NA	Solid	8015 NM	
890-4950-22	BH08	Total/NA	Solid	8015 NM	
890-4950-23	BH08A	Total/NA	Solid	8015 NM	
890-4950-24	BH08B	Total/NA	Solid	8015 NM	
890-4950-25	BH09	Total/NA	Solid	8015 NM	
890-4950-26	BH09A	Total/NA	Solid	8015 NM	
890-4950-27	ВН09В	Total/NA	Solid	8015 NM	
890-4950-28	BH10	Total/NA	Solid	8015 NM	
890-4950-29	BH10A	Total/NA	Solid	8015 NM	
890-4950-30	BH10B	Total/NA	Solid	8015 NM	
890-4950-31	BH11	Total/NA	Solid	8015 NM	
890-4950-32	BH11A	Total/NA	Solid	8015 NM	
890-4950-33	BH11B	Total/NA	Solid	8015 NM	
890-4950-34	BH12	Total/NA	Solid	8015 NM	

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 Client: Ensolum
 Job ID: 890-4950-1

 Project/Site: Nash Unit 12
 SDG: 03C1558259

GC Semi VOA (Continued)

Analysis Batch: 58909 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4950-35	BH12A	Total/NA	Solid	8015 NM	_
890-4950-36	BH12B	Total/NA	Solid	8015 NM	
890-4950-37	BH13	Total/NA	Solid	8015 NM	
890-4950-38	BH13A	Total/NA	Solid	8015 NM	
890-4950-39	BH13B	Total/NA	Solid	8015 NM	
890-4950-40	BH14	Total/NA	Solid	8015 NM	
890-4950-41	BH14A	Total/NA	Solid	8015 NM	
890-4950-42	BH14B	Total/NA	Solid	8015 NM	
890-4950-43	BH15	Total/NA	Solid	8015 NM	
890-4950-44	BH15A	Total/NA	Solid	8015 NM	
890-4950-45	BH15B	Total/NA	Solid	8015 NM	
890-4950-46	BH16	Total/NA	Solid	8015 NM	
890-4950-47	BH16A	Total/NA	Solid	8015 NM	
890-4950-48	BH17	Total/NA	Solid	8015 NM	
890-4950-49	BH16B	Total/NA	Solid	8015 NM	
890-4950-50	BH17A	Total/NA	Solid	8015 NM	
890-4950-51	BH17B	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 57873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bato
890-4950-1	BH01	Soluble	Solid	DI Leach	_
890-4950-2	BH01A	Soluble	Solid	DI Leach	
890-4950-3	BH01B	Soluble	Solid	DI Leach	
890-4950-4	BH02	Soluble	Solid	DI Leach	
890-4950-5	BH02A	Soluble	Solid	DI Leach	
890-4950-6	BH02B	Soluble	Solid	DI Leach	
890-4950-7	BH03	Soluble	Solid	DI Leach	
890-4950-8	BH03A	Soluble	Solid	DI Leach	
890-4950-9	внозв	Soluble	Solid	DI Leach	
890-4950-10	BH04	Soluble	Solid	DI Leach	
890-4950-11	BH04A	Soluble	Solid	DI Leach	
390-4950-12	BH04B	Soluble	Solid	DI Leach	
390-4950-13	BH05	Soluble	Solid	DI Leach	
390-4950-14	BH05A	Soluble	Solid	DI Leach	
390-4950-15	BH05B	Soluble	Solid	DI Leach	
390-4950-16	BH06	Soluble	Solid	DI Leach	
390-4950-17	BH06A	Soluble	Solid	DI Leach	
390-4950-18	BH06B	Soluble	Solid	DI Leach	
390-4950-19	BH07	Soluble	Solid	DI Leach	
390-4950-20	BH07A	Soluble	Solid	DI Leach	
MB 880-57873/1-A	Method Blank	Soluble	Solid	DI Leach	
_CS 880-57873/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
_CSD 880-57873/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
390-4950-1 MS	BH01	Soluble	Solid	DI Leach	
390-4950-1 MSD	BH01	Soluble	Solid	DI Leach	
390-4950-11 MS	BH04A	Soluble	Solid	DI Leach	
890-4950-11 MSD	BH04A	Soluble	Solid	DI Leach	

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 Client: Ensolum
 Job ID: 890-4950-1

 Project/Site: Nash Unit 12
 SDG: 03C1558259

HPLC/IC

Leach Batch: 57874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-4950-21	BH07B	Soluble	Solid	DI Leach	
890-4950-22	BH08	Soluble	Solid	DI Leach	
890-4950-23	BH08A	Soluble	Solid	DI Leach	
890-4950-24	BH08B	Soluble	Solid	DI Leach	
890-4950-25	BH09	Soluble	Solid	DI Leach	
890-4950-26	ВН09А	Soluble	Solid	DI Leach	
890-4950-27	ВН09В	Soluble	Solid	DI Leach	
890-4950-28	BH10	Soluble	Solid	DI Leach	
890-4950-29	BH10A	Soluble	Solid	DI Leach	
890-4950-30	BH10B	Soluble	Solid	DI Leach	
890-4950-31	BH11	Soluble	Solid	DI Leach	
890-4950-32	BH11A	Soluble	Solid	DI Leach	
890-4950-33	BH11B	Soluble	Solid	DI Leach	
890-4950-34	BH12	Soluble	Solid	DI Leach	
890-4950-35	BH12A	Soluble	Solid	DI Leach	
890-4950-36	BH12B	Soluble	Solid	DI Leach	
890-4950-37	BH13	Soluble	Solid	DI Leach	
890-4950-38	BH13A	Soluble	Solid	DI Leach	
890-4950-39	BH13B	Soluble	Solid	DI Leach	
890-4950-40	BH14	Soluble	Solid	DI Leach	
MB 880-57874/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-57874/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-57874/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4950-21 MS	ВН07В	Soluble	Solid	DI Leach	
890-4950-21 MSD	ВН07В	Soluble	Solid	DI Leach	
890-4950-31 MS	BH11	Soluble	Solid	DI Leach	
890-4950-31 MSD	BH11	Soluble	Solid	DI Leach	

Leach Batch: 57875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4950-41	BH14A	Soluble	Solid	DI Leach	
890-4950-42	BH14B	Soluble	Solid	DI Leach	
890-4950-43	BH15	Soluble	Solid	DI Leach	
890-4950-44	BH15A	Soluble	Solid	DI Leach	
890-4950-45	BH15B	Soluble	Solid	DI Leach	
890-4950-46	BH16	Soluble	Solid	DI Leach	
890-4950-47	BH16A	Soluble	Solid	DI Leach	
890-4950-48	BH17	Soluble	Solid	DI Leach	
890-4950-49	BH16B	Soluble	Solid	DI Leach	
890-4950-50	BH17A	Soluble	Solid	DI Leach	
890-4950-51	BH17B	Soluble	Solid	DI Leach	
MB 880-57875/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-57875/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-57875/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4950-46 MS	BH16	Soluble	Solid	DI Leach	
890-4950-46 MSD	BH16	Soluble	Solid	DI Leach	

Analysis Batch: 58007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4950-41	BH14A	Soluble	Solid	300.0	57875
890-4950-42	BH14B	Soluble	Solid	300.0	57875

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 Client: Ensolum
 Job ID: 890-4950-1

 Project/Site: Nash Unit 12
 SDG: 03C1558259

HPLC/IC (Continued)

Analysis Batch: 58007 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4950-43	BH15	Soluble	Solid	300.0	57875
890-4950-44	BH15A	Soluble	Solid	300.0	57875
890-4950-45	BH15B	Soluble	Solid	300.0	57875
890-4950-46	BH16	Soluble	Solid	300.0	57875
890-4950-47	BH16A	Soluble	Solid	300.0	57875
890-4950-48	BH17	Soluble	Solid	300.0	57875
890-4950-49	BH16B	Soluble	Solid	300.0	57875
890-4950-50	BH17A	Soluble	Solid	300.0	57875
890-4950-51	BH17B	Soluble	Solid	300.0	57875
MB 880-57875/1-A	Method Blank	Soluble	Solid	300.0	57875
LCS 880-57875/2-A	Lab Control Sample	Soluble	Solid	300.0	57875
LCSD 880-57875/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	57875
890-4950-46 MS	BH16	Soluble	Solid	300.0	57875
890-4950-46 MSD	BH16	Soluble	Solid	300.0	57875

Analysis Batch: 58008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-4950-1	BH01	Soluble	Solid	300.0	57873
890-4950-2	BH01A	Soluble	Solid	300.0	57873
890-4950-3	BH01B	Soluble	Solid	300.0	57873
890-4950-4	BH02	Soluble	Solid	300.0	57873
890-4950-5	BH02A	Soluble	Solid	300.0	57873
890-4950-6	BH02B	Soluble	Solid	300.0	57873
890-4950-7	BH03	Soluble	Solid	300.0	57873
890-4950-8	BH03A	Soluble	Solid	300.0	57873
890-4950-9	BH03B	Soluble	Solid	300.0	57873
890-4950-10	BH04	Soluble	Solid	300.0	57873
890-4950-11	BH04A	Soluble	Solid	300.0	57873
890-4950-12	ВН04В	Soluble	Solid	300.0	57873
890-4950-13	BH05	Soluble	Solid	300.0	57873
890-4950-14	BH05A	Soluble	Solid	300.0	57873
890-4950-15	BH05B	Soluble	Solid	300.0	57873
890-4950-16	BH06	Soluble	Solid	300.0	57873
890-4950-17	BH06A	Soluble	Solid	300.0	57873
890-4950-18	BH06B	Soluble	Solid	300.0	57873
890-4950-19	BH07	Soluble	Solid	300.0	57873
890-4950-20	BH07A	Soluble	Solid	300.0	57873
MB 880-57873/1-A	Method Blank	Soluble	Solid	300.0	57873
LCS 880-57873/2-A	Lab Control Sample	Soluble	Solid	300.0	57873
LCSD 880-57873/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	57873
890-4950-1 MS	BH01	Soluble	Solid	300.0	57873
890-4950-1 MSD	BH01	Soluble	Solid	300.0	57873
890-4950-11 MS	BH04A	Soluble	Solid	300.0	57873
890-4950-11 MSD	BH04A	Soluble	Solid	300.0	57873

Analysis Batch: 58010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4950-21	ВН07В	Soluble	Solid	300.0	57874
890-4950-22	BH08	Soluble	Solid	300.0	57874
890-4950-23	BH08A	Soluble	Solid	300.0	57874
890-4950-24	BH08B	Soluble	Solid	300.0	57874

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 Client: Ensolum
 Job ID: 890-4950-1

 Project/Site: Nash Unit 12
 SDG: 03C1558259

HPLC/IC (Continued)

Analysis Batch: 58010 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4950-25	BH09	Soluble	Solid	300.0	57874
890-4950-26	BH09A	Soluble	Solid	300.0	57874
890-4950-27	BH09B	Soluble	Solid	300.0	57874
890-4950-28	BH10	Soluble	Solid	300.0	57874
890-4950-29	BH10A	Soluble	Solid	300.0	57874
890-4950-30	BH10B	Soluble	Solid	300.0	57874
890-4950-31	BH11	Soluble	Solid	300.0	57874
890-4950-32	BH11A	Soluble	Solid	300.0	57874
890-4950-33	BH11B	Soluble	Solid	300.0	57874
890-4950-34	BH12	Soluble	Solid	300.0	57874
890-4950-35	BH12A	Soluble	Solid	300.0	57874
890-4950-36	BH12B	Soluble	Solid	300.0	57874
890-4950-37	BH13	Soluble	Solid	300.0	57874
890-4950-38	BH13A	Soluble	Solid	300.0	57874
890-4950-39	BH13B	Soluble	Solid	300.0	57874
890-4950-40	BH14	Soluble	Solid	300.0	57874
MB 880-57874/1-A	Method Blank	Soluble	Solid	300.0	57874
LCS 880-57874/2-A	Lab Control Sample	Soluble	Solid	300.0	57874
LCSD 880-57874/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	57874
890-4950-21 MS	внотв	Soluble	Solid	300.0	57874
890-4950-21 MSD	BH07B	Soluble	Solid	300.0	57874
890-4950-31 MS	BH11	Soluble	Solid	300.0	57874
890-4950-31 MSD	BH11	Soluble	Solid	300.0	57874

Date Received: 07/14/23 14:35

Job ID: 890-4950-1

FFT MID

EET MID

Client: Ensolum Project/Site: Nash Unit 12 SDG: 03C1558259

Client Sample ID: BH01 Lab Sample ID: 890-4950-1 Date Collected: 07/14/23 08:50

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 5.03 g 5 mL 57972 07/18/23 16:18 EL **EET MID** Total/NA Analysis 8021B 1 5 mL 5 mL 58258 07/22/23 21:04 SM EET MID Total/NA Analysis Total BTEX 58124 07/24/23 08:47 SM **EET MID** 8015 NM 58909 Total/NA Analysis 1 07/31/23 15:49 ΑJ **EET MID** 10 mL 58403 07/24/23 17:21 TKC EET MID Total/NA 8015NM Prep 10.03 g Prep Total/NA Analysis 8015B NM 1 uL 1 uL 58772 07/29/23 10:54 ΑJ **EET MID**

Client Sample ID: BH01A Lab Sample ID: 890-4950-2

50

4.96 g

57873

58008

50 ml

07/17/23 14:56

07/19/23 08:53

KS

СН

Date Collected: 07/14/23 08:55 Matrix: Solid

Date Received: 07/14/23 14:35

Leach

Analysis

DI Leach

300.0

Soluble

Soluble

Dil Initial Final Batch Batch Batch Prepared Prep Type Туре Method Factor Amount Amount Number or Analyzed Lab Run **Analyst** Total/NA Prep 5035 4.95 g 5 mL 57972 07/18/23 16:18 EL EET MID Total/NA 8021B Analysis 1 5 mL 5 mL 58258 07/22/23 21:25 SM EET MID Total/NA Total BTEX 58124 07/24/23 08:47 Analysis SM **EET MID** 1 Total/NA Analysis 8015 NM 58909 07/31/23 15:49 AJ **EET MID** 58403 Total/NA 8015NM Prep 10.08 g 10 mL 07/24/23 17:21 TKC **EET MID** Prep Total/NA Analysis 8015B NM 1 uL 1 uL 58772 07/29/23 12:00 AJ **EET MID** Soluble 57873 DI Leach 5.02 g 50 mL 07/17/23 14:56 KS **EET MID** Leach Soluble Analysis 300.0 50 58008 07/19/23 09:08 СН **EET MID**

Client Sample ID: BH01B Lab Sample ID: 890-4950-3 Date Collected: 07/14/23 09:00 **Matrix: Solid**

Date Received: 07/14/23 14:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	57972	07/18/23 16:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58258	07/22/23 21:46	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	58403	07/24/23 17:21	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/29/23 12:21	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	57873	07/17/23 14:56	KS	EET MID
Soluble	Analysis	300.0		50			58008	07/19/23 09:13	CH	EET MID

Lab Sample ID: 890-4950-4 Client Sample ID: BH02

Date Collected: 07/14/23 09:05 Date Received: 07/14/23 14:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	57972	07/18/23 16:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58258	07/22/23 22:06	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 08:47	SM	EET MID

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Matrix: Solid

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Released to Imaging: 5/15/2025 1:31:42 PM

Client Sample ID: BH02

Project/Site: Nash Unit 12

Client: Ensolum

Lab Sample ID: 890-4950-4

Date Collected: 07/14/23 09:05 Date Received: 07/14/23 14:35 **Matrix: Solid**

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 8015 NM 58909 07/31/23 15:49 AJ EET MID Analysis Total/NA Prep 8015NM Prep 9.97 g 10 mL 58403 07/24/23 17:21 TKC **EET MID** Total/NA 8015B NM 1 uL 1 uL 58772 07/29/23 12:43 ΑJ **EET MID** Analysis 1 07/17/23 14:56 Soluble Leach DI Leach 4.97 g 50 mL 57873 KS **EET MID** Soluble Analysis 300.0 50 58008 07/19/23 09:18 СН **EET MID**

Lab Sample ID: 890-4950-5

Matrix: Solid

Date Collected: 07/14/23 09:10 Date Received: 07/14/23 14:35

Date Received: 07/14/23 14:35

Client Sample ID: BH02A

Batch Batch Dil Initial Final Batch Prepared or Analyzed Method Amount Amount Number **Prep Type** Type Run Factor Analyst Lab 5035 Prep 07/18/23 16:18 Total/NA 5.05 g 5 mL 57972 EL **EET MID** Analysis Total/NA 8021B 5 mL 5 mL 58258 07/22/23 22:27 SM EET MID 1 Total/NA Analysis Total BTEX 1 58124 07/24/23 08:47 SM **EET MID** Total/NA 8015 NM 58909 07/31/23 15:49 **EET MID** Analysis AJ1 Total/NA Prep 8015NM Prep 9.91 g 10 mL 58403 07/24/23 17:21 TKC **EET MID** Total/NA 8015B NM 1 uL 58772 07/29/23 13:06 ΑJ **EET MID** Analysis 1 uL Soluble Leach DI Leach 5 g 50 mL 57873 07/17/23 14:56 KS **EET MID** Soluble Analysis 300.0 50 58008 07/19/23 09:23 СН **EET MID**

Client Sample ID: BH02B Lab Sample ID: 890-4950-6 Date Collected: 07/14/23 09:15

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	57972	07/18/23 16:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58258	07/22/23 22:48	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	58403	07/24/23 17:21	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/29/23 13:28	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	57873	07/17/23 14:56	KS	EET MID
Soluble	Analysis	300.0		50			58008	07/19/23 09:38	CH	EET MID

Client Sample ID: BH03 Lab Sample ID: 890-4950-7

Date Collected: 07/14/23 09:20 **Matrix: Solid** Date Received: 07/14/23 14:35

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	57972	07/18/23 16:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58258	07/22/23 23:08	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.05 g 1 uL	10 mL 1 uL	58403 58772	07/24/23 17:21 07/29/23 13:50	TKC AJ	EET MID EET MID

Job ID: 890-4950-1

Client: Ensolum SDG: 03C1558259 Project/Site: Nash Unit 12

Client Sample ID: BH03

Date Collected: 07/14/23 09:20 Date Received: 07/14/23 14:35 Lab Sample ID: 890-4950-7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	57873	07/17/23 14:56	KS	EET MID
Soluble	Analysis	300.0		50			58008	07/19/23 09:43	CH	EET MID

Client Sample ID: BH03A Lab Sample ID: 890-4950-8

Date Collected: 07/14/23 09:25 Date Received: 07/14/23 14:35 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	57972	07/18/23 16:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58258	07/22/23 23:29	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	58403	07/24/23 17:21	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/29/23 14:12	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	57873	07/17/23 14:56	KS	EET MID
Soluble	Analysis	300.0		50			58008	07/19/23 09:48	CH	EET MID

Client Sample ID: BH03B Lab Sample ID: 890-4950-9

Date Collected: 07/14/23 09:30

Matrix: Solid

Date Received: 07/14/23 14:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	57972	07/18/23 16:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58258	07/22/23 23:50	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	58403	07/24/23 17:21	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/29/23 14:34	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	57873	07/17/23 14:56	KS	EET MID
Soluble	Analysis	300.0		50			58008	07/19/23 09:53	CH	EET MID

Client Sample ID: BH04 Lab Sample ID: 890-4950-10

Date Collected: 07/14/23 09:35 Date Received: 07/14/23 14:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	57972	07/18/23 16:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58258	07/23/23 00:10	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	58403	07/24/23 17:21	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/29/23 14:56	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	57873	07/17/23 14:56	KS	EET MID
Soluble	Analysis	300.0		50			58008	07/19/23 09:58	CH	EET MID

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Matrix: Solid

Client: Ensolum Job ID: 890-4950-1 SDG: 03C1558259 Project/Site: Nash Unit 12

Lab Sample ID: 890-4950-11

Matrix: Solid

Client Sample ID: BH04A Date Collected: 07/14/23 09:40 Date Received: 07/14/23 14:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	57972	07/18/23 16:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58258	07/23/23 01:33	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	58403	07/24/23 17:21	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/29/23 15:40	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	57873	07/17/23 14:56	KS	EET MID
Soluble	Analysis	300.0		50			58008	07/19/23 10:03	CH	EET MID

Client Sample ID: BH04B Lab Sample ID: 890-4950-12

Date Collected: 07/14/23 09:45 Matrix: Solid Date Received: 07/14/23 14:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	57972	07/18/23 16:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58258	07/23/23 01:53	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	58403	07/24/23 17:21	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/29/23 16:02	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	57873	07/17/23 14:56	KS	EET MID
Soluble	Analysis	300.0		50			58008	07/19/23 10:18	CH	EET MID

Client Sample ID: BH05 Lab Sample ID: 890-4950-13

Date Collected: 07/14/23 09:50 **Matrix: Solid** Date Received: 07/14/23 14:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	57972	07/18/23 16:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58258	07/23/23 02:14	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	58403	07/24/23 17:21	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/29/23 16:24	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	57873	07/17/23 14:56	KS	EET MID
Soluble	Analysis	300.0		50			58008	07/19/23 10:23	CH	EET MID

Client Sample ID: BH05A Lab Sample ID: 890-4950-14

Date Collected: 07/14/23 09:55 **Matrix: Solid** Date Received: 07/14/23 14:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	57972	07/18/23 16:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58258	07/23/23 02:34	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 08:47	SM	EET MID

Date Received: 07/14/23 14:35

Client: Ensolum Job ID: 890-4950-1 SDG: 03C1558259 Project/Site: Nash Unit 12

Client Sample ID: BH05A Date Collected: 07/14/23 09:55

Lab Sample ID: 890-4950-14 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	58403	07/24/23 17:21	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/29/23 16:47	AJ	EET MID
Soluble	Leach	DI Leach			5.98 g	50 mL	57873	07/17/23 14:56	KS	EET MID
Soluble	Analysis	300.0		50			58008	07/19/23 10:38	CH	EET MID

Client Sample ID: BH05B Lab Sample ID: 890-4950-15

Date Collected: 07/14/23 10:00 **Matrix: Solid** Date Received: 07/14/23 14:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	57972	07/18/23 16:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58258	07/23/23 02:55	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	58403	07/24/23 17:21	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/29/23 17:08	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	57873	07/17/23 14:56	KS	EET MID
Soluble	Analysis	300.0		50			58008	07/19/23 10:43	CH	EET MID

Client Sample ID: BH06 Lab Sample ID: 890-4950-16

Date Collected: 07/14/23 10:05 **Matrix: Solid** Date Received: 07/14/23 14:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	57972	07/18/23 16:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58258	07/23/23 03:16	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	58403	07/24/23 17:21	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/29/23 17:30	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	57873	07/17/23 14:56	KS	EET MID
Soluble	Analysis	300.0		50			58008	07/19/23 10:48	CH	EET MID

Lab Sample ID: 890-4950-17 Client Sample ID: BH06A

Date Received: 07/14/23 14:35

Date Collected: 07/14/23 10:10

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	57972	07/18/23 16:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58258	07/23/23 03:36	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	58403	07/24/23 17:21	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/29/23 17:52	AJ	EET MID

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Matrix: Solid

Job ID: 890-4950-1

Client: Ensolum SDG: 03C1558259 Project/Site: Nash Unit 12

Client Sample ID: BH06A

Date Collected: 07/14/23 10:10 Date Received: 07/14/23 14:35 Lab Sample ID: 890-4950-17

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	57873	07/17/23 14:56	KS	EET MID
Soluble	Analysis	300.0		50			58008	07/19/23 10:53	CH	EET MID

Client Sample ID: BH06B Lab Sample ID: 890-4950-18

Date Collected: 07/14/23 10:15 **Matrix: Solid** Date Received: 07/14/23 14:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	57972	07/18/23 16:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58258	07/23/23 03:57	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	58403	07/24/23 17:21	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/29/23 18:14	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	57873	07/17/23 14:56	KS	EET MID
Soluble	Analysis	300.0		50			58008	07/19/23 10:58	CH	EET MID

Client Sample ID: BH07 Lab Sample ID: 890-4950-19

Date Collected: 07/14/23 10:20 **Matrix: Solid** Date Received: 07/14/23 14:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	57972	07/18/23 16:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58258	07/23/23 04:18	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	58403	07/24/23 17:21	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/29/23 18:36	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	57873	07/17/23 14:56	KS	EET MID
Soluble	Analysis	300.0		50			58008	07/19/23 11:03	CH	EET MID

Client Sample ID: BH07A Lab Sample ID: 890-4950-20

Date Collected: 07/14/23 10:25 **Matrix: Solid** Date Received: 07/14/23 14:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	57972	07/18/23 16:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58258	07/23/23 04:38	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	58403	07/24/23 17:21	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/29/23 18:57	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	57873	07/17/23 14:56	KS	EET MID
Soluble	Analysis	300.0		50			58008	07/19/23 11:08	CH	EET MID

Client Sample ID: BH07B

Project/Site: Nash Unit 12

Client: Ensolum

Date Collected: 07/14/23 10:30 Date Received: 07/14/23 14:35

Lab Sample ID: 890-4950-21

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	57974	07/18/23 16:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58285	07/23/23 14:34	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 11:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	58404	07/24/23 17:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/29/23 20:45	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	57874	07/17/23 14:58	KS	EET MID
Soluble	Analysis	300.0		50			58010	07/19/23 09:36	CH	EET MID

Lab Sample ID: 890-4950-22

Matrix: Solid

Date Collected: 07/14/23 10:35 Date Received: 07/14/23 14:35

Client Sample ID: BH08

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 57974 Total/NA 4.98 g 5 mL 07/18/23 16:31 EL EET MID Total/NA 8021B 5 mL 58285 07/23/23 14:54 **EET MID** Analysis 1 5 mL SM Total/NA Total BTEX 58124 07/24/23 11:25 SM Analysis **EET MID** 1 Total/NA Analysis 8015 NM 58909 07/31/23 15:49 ΑJ **EET MID** Total/NA 58404 07/24/23 17:29 TKC Prep 8015NM Prep 10.09 g 10 mL EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 58772 07/29/23 21:49 ΑJ **EET MID** 57874 Soluble KS Leach DI Leach 5.02 g 50 mL 07/17/23 14:58 **EET MID** Soluble Analysis 300.0 50 58010 07/19/23 09:54 СН **EET MID**

Client Sample ID: BH08A

Date Collected: 07/14/23 10:40 Date Received: 07/14/23 14:35

Lab Sample ID: 890-4950-23

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	57974	07/18/23 16:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58285	07/23/23 15:14	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 11:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	58404	07/24/23 17:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/29/23 22:10	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	57874	07/17/23 14:58	KS	EET MID
Soluble	Analysis	300.0		50			58010	07/19/23 10:00	CH	EET MID

Client Sample ID: BH08B

Date Collected: 07/14/23 13:00 Date Received: 07/14/23 14:35

Lab Sample ID: 890-4950-24

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	57974	07/18/23 16:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58285	07/23/23 15:35	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 11:25	SM	EET MID

Lab Chronicle

 Client: Ensolum
 Job ID: 890-4950-1

 Project/Site: Nash Unit 12
 SDG: 03C1558259

Client Sample ID: BH08B

Date Collected: 07/14/23 13:00
Date Received: 07/14/23 14:35

Lab Sample ID: 890-4950-24

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	58404	07/24/23 17:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/29/23 22:31	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	57874	07/17/23 14:58	KS	EET MID
Soluble	Analysis	300.0		50			58010	07/19/23 10:06	CH	EET MID

Client Sample ID: BH09

Lab Sample ID: 890-4950-25

Matrix: Solid

Date Collected: 07/14/23 10:45 Date Received: 07/14/23 14:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	57974	07/18/23 16:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58285	07/23/23 15:55	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 11:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	58404	07/24/23 17:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/29/23 22:53	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	57874	07/17/23 14:58	KS	EET MID
Soluble	Analysis	300.0		50			58010	07/19/23 10:13	CH	EET MID

Client Sample ID: BH09A

Date Collected: 07/14/23 10:50

Lab Sample ID: 890-4950-26

Matrix: Solid

Date Received: 07/14/23 14:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	57974	07/18/23 16:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58285	07/23/23 16:16	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 11:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	58404	07/24/23 17:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/29/23 23:14	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	57874	07/17/23 14:58	KS	EET MID
Soluble	Analysis	300.0		50			58010	07/19/23 10:31	CH	EET MID

Client Sample ID: BH09B Lab Sample ID: 890-4950-27

Date Collected: 07/14/23 10:55 Date Received: 07/14/23 14:35

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	57974	07/18/23 16:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58285	07/23/23 16:36	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 11:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.09 g 1 uL	10 mL 1 uL	58404 58772	07/24/23 17:29 07/29/23 23:35	TKC AJ	EET MID EET MID

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Released to Imaging: 5/15/2025 1:31:42 PM

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11

13

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Matrix: Solid

Total/NA

Soluble

Soluble

 Client: Ensolum
 Job ID: 890-4950-1

 Project/Site: Nash Unit 12
 SDG: 03C1558259

Client Sample ID: BH09B Lab Sample ID: 890-4950-27

Date Collected: 07/14/23 10:55

Matrix: Solid

Date Received: 07/14/23 14:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	57874	07/17/23 14:58	KS	EET MID
Soluble	Analysis	300.0		50			58010	07/19/23 10:37	CH	EET MID

Client Sample ID: BH10 Lab Sample ID: 890-4950-28

Date Collected: 07/14/23 11:00 Matrix: Solid

Date Received: 07/14/23 14:35 Batch Batch Dil Initial Final Batch Prepared **Prep Type** Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 5035 5.01 g 57974 07/18/23 16:31 EL EET MID Prep 5 mL Total/NA 8021B 5 mL 5 mL 58285 07/23/23 16:57 SM Analysis 1 **EET MID** Total/NA Total BTEX 58124 07/24/23 11:25 Analysis SM **EET MID** 1 Total/NA Analysis 8015 NM 58909 07/31/23 15:49 ΑJ **EET MID** 58404 07/24/23 17:29 TKC EET MID Total/NA Prep 8015NM Prep 10.01 g 10 mL

Client Sample ID: BH10A Lab Sample ID: 890-4950-29

50

Date Collected: 07/14/23 11:05
Date Received: 07/14/23 14:35
Matrix: Solid

1 uL

5.01 g

1 uL

50 mL

58772

57874

58010

07/29/23 23:56

07/17/23 14:58

07/19/23 10:43

ΑJ

KS

СН

EET MID

EET MID

EET MID

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	57974	07/18/23 16:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58285	07/23/23 17:17	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 11:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	58404	07/24/23 17:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/30/23 00:17	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	57874	07/17/23 14:58	KS	EET MID
Soluble	Analysis	300.0		50			58010	07/19/23 10:50	CH	EET MID

Client Sample ID: BH10B

Date Collected: 07/14/23 11:10

Lab Sample ID: 890-4950-30

Matrix: Solid

Date Received: 07/14/23 14:35

8015B NM

DI Leach

300.0

Analysis

Leach Analysis

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	57974	07/18/23 16:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58285	07/23/23 17:37	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 11:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	58404	07/24/23 17:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/30/23 00:39	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	57874	07/17/23 14:58	KS	EET MID
Soluble	Analysis	300.0		50			58010	07/19/23 10:56	CH	EET MID

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EET MID

Job ID: 890-4950-1

Client: Ensolum SDG: 03C1558259 Project/Site: Nash Unit 12

Client Sample ID: BH11 Lab Sample ID: 890-4950-31

Date Collected: 07/14/23 11:15 Matrix: Solid Date Received: 07/14/23 14:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	57974	07/18/23 16:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58285	07/23/23 19:29	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 11:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	58404	07/24/23 17:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/30/23 01:21	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	57874	07/17/23 14:58	KS	EET MID
Soluble	Analysis	300.0		50			58010	07/19/23 11:02	CH	EET MID

Client Sample ID: BH11A Lab Sample ID: 890-4950-32 Date Collected: 07/14/23 11:20 Matrix: Solid

Date Received: 07/14/23 14:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	57974	07/18/23 16:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58285	07/23/23 19:49	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 11:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	58404	07/24/23 17:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/30/23 01:42	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	57874	07/17/23 14:58	KS	EET MIC
Soluble	Analysis	300.0		50			58010	07/19/23 11:20	CH	EET MID

Client Sample ID: BH11B Lab Sample ID: 890-4950-33 Date Collected: 07/14/23 11:25 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	57974	07/18/23 16:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58285	07/23/23 20:09	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 11:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	58404	07/24/23 17:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/30/23 02:03	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	57874	07/17/23 14:58	KS	EET MID
Soluble	Analysis	300.0		50			58010	07/19/23 11:26	CH	EET MID

Client Sample ID: BH12 Lab Sample ID: 890-4950-34 Date Collected: 07/14/23 11:30 **Matrix: Solid**

Date Received: 07/14/23 14:35

Date Received: 07/14/23 14:35

Γ	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	57974	07/18/23 16:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58285	07/23/23 20:30	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 11:25	SM	EET MID

Lab Chronicle

 Client: Ensolum
 Job ID: 890-4950-1

 Project/Site: Nash Unit 12
 SDG: 03C1558259

Client Sample ID: BH12

Date Collected: 07/14/23 11:30 Date Received: 07/14/23 14:35 Lab Sample ID: 890-4950-34

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	58404	07/24/23 17:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/30/23 02:25	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	57874	07/17/23 14:58	KS	EET MID
Soluble	Analysis	300.0		50			58010	07/19/23 11:45	CH	EET MID

Client Sample ID: BH12A Lab Sample ID: 890-4950-35

Date Collected: 07/14/23 11:35 Date Received: 07/14/23 14:35

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Amount Amount Number or Analyzed Type Run Factor Analyst Lab Total/NA 5035 Prep 5.04 g 5 mL 57974 07/18/23 16:31 EL **EET MID** Total/NA Analysis 8021B 5 mL 5 mL 58285 07/23/23 20:50 SM EET MID 1 Total/NA Total BTEX 58124 Analysis 1 07/24/23 11:25 SM **EET MID** Total/NA Analysis 8015 NM 58909 07/31/23 15:49 EET MID AJ1 Total/NA Prep 8015NM Prep 10.07 g 10 mL 58404 07/24/23 17:29 TKC **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 58772 07/30/23 02:46 ΑJ **EET MID** Soluble Leach DI Leach 5 g 50 mL 57874 07/17/23 14:58 KS **EET MID** Soluble Analysis 300.0 50 58010 07/19/23 11:51 СН **EET MID**

Client Sample ID: BH12B

Date Collected: 07/14/23 11:40

Lab Sample ID: 890-4950-36

Matrix: Solid

Date Received: 07/14/23 14:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	57974	07/18/23 16:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58285	07/23/23 21:11	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 11:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	58404	07/24/23 17:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/30/23 03:07	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	57874	07/17/23 14:58	KS	EET MID
Soluble	Analysis	300.0		50			58010	07/19/23 11:57	CH	EET MID

Client Sample ID: BH13 Lab Sample ID: 890-4950-37

Date Collected: 07/14/23 11:45 Date Received: 07/14/23 14:35

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	57974	07/18/23 16:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58285	07/23/23 21:31	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 11:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	9.90 g 1 uL	10 mL 1 uL	58404 58772	07/24/23 17:29 07/30/23 03:28	TKC AJ	EET MID EET MID

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Matrix: Solid

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Client: Ensolum Job ID: 890-4950-1 SDG: 03C1558259 Project/Site: Nash Unit 12

Lab Sample ID: 890-4950-37

Client Sample ID: BH13 Date Collected: 07/14/23 11:45 Matrix: Solid Date Received: 07/14/23 14:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	57874	07/17/23 14:58	KS	EET MID
Soluble	Analysis	300.0		50			58010	07/19/23 12:03	CH	EET MID

Client Sample ID: BH13A Lab Sample ID: 890-4950-38

Date Collected: 07/14/23 11:50 **Matrix: Solid**

Date Received: 07/14/23 14:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	57974	07/18/23 16:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58285	07/23/23 21:51	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 11:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	58404	07/24/23 17:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/30/23 03:49	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	57874	07/17/23 14:58	KS	EET MID
Soluble	Analysis	300.0		50			58010	07/19/23 12:09	CH	EET MID

Client Sample ID: BH13B Lab Sample ID: 890-4950-39

Date Collected: 07/14/23 11:55 **Matrix: Solid** Date Received: 07/14/23 14:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	57974	07/18/23 16:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58285	07/23/23 22:12	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 11:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	58404	07/24/23 17:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/30/23 04:10	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	57874	07/17/23 14:58	KS	EET MID
Soluble	Analysis	300.0		50			58010	07/19/23 12:16	CH	EET MID

Client Sample ID: BH14 Lab Sample ID: 890-4950-40 Date Collected: 07/14/23 12:00 **Matrix: Solid**

Date Received: 07/14/23 14:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	57974	07/18/23 16:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58285	07/23/23 22:32	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 11:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 15:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	58404	07/24/23 17:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58772	07/30/23 04:31	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	57874	07/17/23 14:58	KS	EET MIC
Soluble	Analysis	300.0		50			58010	07/19/23 12:22	CH	EET MID

Job ID: 890-4950-1

Client: Ensolum SDG: 03C1558259 Project/Site: Nash Unit 12

Client Sample ID: BH14A Lab Sample ID: 890-4950-41

Date Collected: 07/14/23 12:05 Matrix: Solid Date Received: 07/14/23 14:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	58151	07/20/23 13:55	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58250	07/22/23 12:46	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 09:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 16:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	58405	07/24/23 17:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58792	07/30/23 10:53	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	57875	07/17/23 15:01	KS	EET MID
Soluble	Analysis	300.0		50			58007	07/19/23 09:14	CH	EET MID

Client Sample ID: BH14B Lab Sample ID: 890-4950-42

Date Collected: 07/14/23 12:10 **Matrix: Solid** Date Received: 07/14/23 14:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	58151	07/20/23 13:55	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58250	07/22/23 13:06	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 09:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 16:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	58405	07/24/23 17:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58792	07/30/23 11:59	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	57875	07/17/23 15:01	KS	EET MID
Soluble	Analysis	300.0		50			58007	07/19/23 09:19	CH	EET MID

Client Sample ID: BH15 Lab Sample ID: 890-4950-43 Date Collected: 07/14/23 12:15

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	58151	07/20/23 13:55	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58250	07/22/23 13:27	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 09:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 16:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	58405	07/24/23 17:37	TKC	EET MIC
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58792	07/30/23 12:21	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	57875	07/17/23 15:01	KS	EET MIC
Soluble	Analysis	300.0		20			58007	07/19/23 09:24	CH	EET MID

Client Sample ID: BH15A Lab Sample ID: 890-4950-44

Date Collected: 07/14/23 12:20 Date Received: 07/14/23 14:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	58151	07/20/23 13:55	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58250	07/22/23 13:47	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 09:06	SM	EET MID

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Matrix: Solid

Matrix: Solid

Released to Imaging: 5/15/2025 1:31:42 PM

Date Received: 07/14/23 14:35

Matrix: Solid

Lab Chronicle

 Client: Ensolum
 Job ID: 890-4950-1

 Project/Site: Nash Unit 12
 SDG: 03C1558259

Client Sample ID: BH15A

Date Collected: 07/14/23 12:20 Date Received: 07/14/23 14:35 Lab Sample ID: 890-4950-44

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			58909	07/31/23 16:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	58405	07/24/23 17:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58792	07/30/23 12:43	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	57875	07/17/23 15:01	KS	EET MID
Soluble	Analysis	300.0		20			58007	07/19/23 09:29	CH	EET MID

Client Sample ID: BH15B Lab Sample ID: 890-4950-45

Date Collected: 07/14/23 12:25 Date Received: 07/14/23 14:35

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Amount Amount Number or Analyzed Type Run Factor Analyst Lab 5035 Total/NA Prep 5.03 g 5 mL 58151 07/20/23 13:55 EL **EET MID** Total/NA Analysis 8021B 5 mL 5 mL 58250 07/22/23 14:08 SM EET MID 1 Total/NA Total BTEX Analysis 1 58124 07/24/23 09:06 SM **EET MID** Total/NA Analysis 8015 NM 58909 07/31/23 16:01 EET MID AJTotal/NA Prep 8015NM Prep 10.05 g 10 mL 58405 07/24/23 17:37 TKC **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 58792 07/30/23 13:05 ΑJ **EET MID** Soluble Leach DI Leach 5 g 50 mL 57875 07/17/23 15:01 KS **EET MID** Soluble Analysis 300.0 50 58007 07/19/23 09:35 СН **EET MID**

Client Sample ID: BH16

Date Collected: 07/14/23 12:30

Lab Sample ID: 890-4950-46

Matrix: Solid

Date Collected: 07/14/23 12:30 Date Received: 07/14/23 14:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	58151	07/20/23 13:55	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58250	07/22/23 16:19	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 09:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 16:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	58405	07/24/23 17:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58792	07/30/23 13:27	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	57875	07/17/23 15:01	KS	EET MID
Soluble	Analysis	300.0		50			58007	07/19/23 09:40	CH	EET MID

Client Sample ID: BH16A Lab Sample ID: 890-4950-47

Date Collected: 07/14/23 12:35 Date Received: 07/14/23 14:35

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	58151	07/20/23 13:55	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58250	07/22/23 16:40	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 09:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 16:01	AJ	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	9.91 g 1 uL	10 mL 1 uL	58405 58792	07/24/23 17:37 07/30/23 13:49	TKC AJ	EET MID EET MID

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Matrix: Solid

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Job ID: 890-4950-1 SDG: 03C1558259

Client Sample ID: BH16A

Date Received: 07/14/23 14:35

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Leach

Prep

Batch

Method

5035

8021B

Total BTEX

8015NM Prep

8015B NM

DI Leach

300.0

8015 NM

Project/Site: Nash Unit 12

Client: Ensolum

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Lab Sample ID: 890-4950-47 Date Collected: 07/14/23 12:35

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Soluble DI Leach 5.01 g 50 mL 57875 07/17/23 15:01 KS **EET MID** Leach Soluble Analysis 300.0 50 58007 07/19/23 09:55 СН **EET MID**

Client Sample ID: BH17 Lab Sample ID: 890-4950-48

Date Collected: 07/14/23 12:40 **Matrix: Solid** Date Received: 07/14/23 14:35

> Dil Initial Final Batch Prepared Run Factor Amount Amount Number or Analyzed Analyst Lab 4.96 g 58151 07/20/23 13:55 EL EET MID 5 mL 5 mL SM 1 5 mL 58250 07/22/23 17:00 **EET MID** 58124 07/24/23 09:06 SM **EET MID** 1 58909 07/31/23 16:01 ΑJ **EET MID** 58405 9.94 g 10 mL 07/24/23 17:37 TKC **EET MID** 1 uL 1 uL 58792 07/30/23 14:11 AJ **EET MID**

> > 57875

58007

07/17/23 15:01

07/19/23 10:00

KS

СН

EET MID

EET MID

50 mL

Client Sample ID: BH16B Lab Sample ID: 890-4950-49

20

Date Collected: 07/14/23 12:45 **Matrix: Solid** Date Received: 07/14/23 14:35

4.99 g

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	58151	07/20/23 13:55	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58250	07/22/23 17:21	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 09:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 16:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	58405	07/24/23 17:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58792	07/30/23 14:33	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	57875	07/17/23 15:01	KS	EET MID
Soluble	Analysis	300.0		20			58007	07/19/23 10:16	CH	EET MID

Client Sample ID: BH17A Lab Sample ID: 890-4950-50

Date Collected: 07/14/23 12:50 **Matrix: Solid** Date Received: 07/14/23 14:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	58151	07/20/23 13:55	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58250	07/22/23 17:41	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/24/23 09:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 16:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	58405	07/24/23 17:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58792	07/30/23 14:56	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	57875	07/17/23 15:01	KS	EET MID
Soluble	Analysis	300.0		20			58007	07/19/23 10:21	CH	EET MID

Lab Chronicle

 Client: Ensolum
 Job ID: 890-4950-1

 Project/Site: Nash Unit 12
 SDG: 03C1558259

Client Sample ID: BH17B

Date Collected: 07/14/23 12:55 Date Received: 07/14/23 14:35 Lab Sample ID: 890-4950-51

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	58038	07/19/23 12:10	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57991	07/20/23 06:59	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58124	07/20/23 10:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			58909	07/31/23 16:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	58405	07/24/23 17:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58792	07/30/23 15:41	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	57875	07/17/23 15:01	KS	EET MID
Soluble	Analysis	300.0		20			58007	07/19/23 10:26	CH	EET MID

Laboratory References:

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

Eurofins Carlsbad

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Accreditation/Certification Summary

Client: Ensolum Job ID: 890-4950-1 Project/Site: Nash Unit 12 SDG: 03C1558259

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date	
Texas	NE	ELAP	T104704400-23-26	06-30-24	
The following analytes	are included in this report, but	it the laboratory is not certific	ed by the governing authority. This list ma	v include analytes for	
the agency does not of	• •	it the laboratory is not certain	su by the governing authority. This list his	ay include analytes loi	
,	• •	Matrix	Analyte	ay illoude allalytes for	
the agency does not of	fer certification.	,	, , ,	ay include analytes loi	

Method Summary

 Client: Ensolum
 Job ID: 890-4950-1

 Project/Site: Nash Unit 12
 SDG: 03C1558259

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Carlsbad

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Sample Summary

Client: Ensolum

Project/Site: Nash Unit 12

Job ID: 890-4950-1 SDG: 03C1558259

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-4950-1	BH01	Solid	07/14/23 08:50	07/14/23 14:35	0.5
890-4950-2	BH01A	Solid	07/14/23 08:55	07/14/23 14:35	1
890-4950-3	BH01B	Solid	07/14/23 09:00	07/14/23 14:35	2
890-4950-4	BH02	Solid	07/14/23 09:05	07/14/23 14:35	0.5
890-4950-5	BH02A	Solid	07/14/23 09:10	07/14/23 14:35	1
890-4950-6	BH02B	Solid	07/14/23 09:15	07/14/23 14:35	2
890-4950-7	BH03	Solid	07/14/23 09:20	07/14/23 14:35	0.5
890-4950-8	ВН03А	Solid	07/14/23 09:25	07/14/23 14:35	1
890-4950-9	ВН03В	Solid	07/14/23 09:30	07/14/23 14:35	2
890-4950-10	BH04	Solid	07/14/23 09:35	07/14/23 14:35	0.5
890-4950-11	BH04A	Solid	07/14/23 09:40	07/14/23 14:35	1
890-4950-12	BH04B	Solid	07/14/23 09:45	07/14/23 14:35	2
890-4950-13	BH05	Solid	07/14/23 09:50	07/14/23 14:35	0.5
890-4950-14	BH05A	Solid	07/14/23 09:55	07/14/23 14:35	1
890-4950-15	BH05B	Solid	07/14/23 10:00	07/14/23 14:35	2
890-4950-16	BH06	Solid	07/14/23 10:05	07/14/23 14:35	0.5
890-4950-17	BH06A	Solid	07/14/23 10:10	07/14/23 14:35	1
890-4950-18	BH06B	Solid	07/14/23 10:15	07/14/23 14:35	2
890-4950-19	BH07	Solid	07/14/23 10:20	07/14/23 14:35	0.5
890-4950-20	BH07A	Solid	07/14/23 10:25	07/14/23 14:35	1
890-4950-21	внотв	Solid	07/14/23 10:30	07/14/23 14:35	2
890-4950-22	BH08	Solid	07/14/23 10:35	07/14/23 14:35	0.5
890-4950-23	BH08A	Solid	07/14/23 10:40	07/14/23 14:35	1
890-4950-24	BH08B	Solid	07/14/23 13:00	07/14/23 14:35	2
890-4950-25	BH09	Solid	07/14/23 10:45	07/14/23 14:35	0.5
890-4950-26	BH09A	Solid	07/14/23 10:50	07/14/23 14:35	1
890-4950-27	ВН09В	Solid	07/14/23 10:55	07/14/23 14:35	2
890-4950-28	BH10	Solid	07/14/23 11:00	07/14/23 14:35	0.5
890-4950-29	BH10A	Solid	07/14/23 11:05	07/14/23 14:35	1
890-4950-30	BH10B	Solid	07/14/23 11:10	07/14/23 14:35	2
890-4950-31	BH11	Solid	07/14/23 11:15	07/14/23 14:35	0.5
890-4950-32	BH11A	Solid	07/14/23 11:20	07/14/23 14:35	1
890-4950-33	BH11B	Solid	07/14/23 11:25	07/14/23 14:35	2
890-4950-34	BH12	Solid	07/14/23 11:30	07/14/23 14:35	0.5
890-4950-35	BH12A	Solid	07/14/23 11:35	07/14/23 14:35	1
890-4950-36	BH12B	Solid	07/14/23 11:40	07/14/23 14:35	2
890-4950-37	BH13	Solid	07/14/23 11:45	07/14/23 14:35	0.5
890-4950-38	BH13A	Solid	07/14/23 11:50	07/14/23 14:35	1
890-4950-39	BH13B	Solid	07/14/23 11:55	07/14/23 14:35	2
890-4950-40	BH14	Solid	07/14/23 12:00	07/14/23 14:35	0.5
890-4950-41	BH14A	Solid	07/14/23 12:05	07/14/23 14:35	1
890-4950-42	BH14B	Solid	07/14/23 12:10	07/14/23 14:35	2
890-4950-43	BH15	Solid	07/14/23 12:15	07/14/23 14:35	0.5
890-4950-44	BH15A	Solid	07/14/23 12:20	07/14/23 14:35	1

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07/14/23 12:40

07/14/23 12:45

07/14/23 12:50

07/14/23 12:55

07/14/23 14:35 2

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07/14/23 14:35 0.5

0.5

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BH15B

BH16

BH16A

BH17

BH16B

BH17A

BH17B

890-4950-45

890-4950-46

890-4950-47

890-4950-48

890-4950-49

890-4950-50

890-4950-51

Chain of Custody

Dracaryative Codes	ANIAI VOIC DECLIECT			
Deliverables: EDD ADaPT Other:	tmanissey@ensolum.com	Email: +main	337-257-8307	one:
vei III	Carsbad, NM 88220	City, State ZIP:	Carlsbad, NM 88220	y, State ZIP:
State of Project:	St	Address:	3ida Nati Parks Hwy	dress:
Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐	XTO Energy	Company Name:	Ensolum, LLC	mpany Name:
Work Order Comments	Garrett Green	Bill to: (if different)	Tacoma Mornissey	ject Manager:
www.xenco.com Page 1 of b	Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	Hobbs, N		
	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	EL Paso, T	Xenco	
Work Order No:	Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334			* euroins
	Citation Castoay			

Revised Date: 08/25/2020 Rev. 2020 2	Revis						
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	23/435	1.100 110 7.14.	14 23 24 CEPA 2	711	from 1	A MONT	** THUNK
Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time		Received by: (Signature)	ature)	Relinquished by: (Signature)
	is lotated.	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	ins Xenco, its affiliates and suses incurred by the client if suses incurred by the client if suses incomes Xenco, but not analyzarofins.	orn cilent company to Euro lity for any losses or expen ach sample submitted to E	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from cilent company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard to service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced up	nd relinquishment of sample ble only for the cost of sample e of \$85.00 will be applied t	Notice: Signature of this document of service. Eurofins Xenco will be lia of Eurofins Xenco. A minimum charr
7471	Hg: 1631 / 245.1 / 7470 / 7471	TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	b As Ba Be Cd Ct	6010 : 8RCRA S		Metal(s) to be anal	Circle Method(s) and Metal(s) to be analyzed
V Zn	Vi K Se	Cd Ca Cr Co Cu Fe Pb Mg Mn Mo		8RCRA 13PPM Texas 11 Al Sb As Ba Be B	8RCRA 13PPM	200.8 / 6020:	Total 200.7 / 6010
			4 4 4	0.5/ 1	V 10935 C	+	8H04
mrober treensolum com	adoxw			2'	0930		Внозіз
					2660		Вноза
AP1 #: 30.015-27602	AP1#			0.5	09200		Вноз
				2'	10915		8HO2B
136551001	1136			_	0110		BHOZA
Lost Center	Cost			0.5'	0905		BH02
RP#: 2RP-4347	PP#:			2'	0900		BHOIB
NAB1722948770	NAB			` -	. 0855	_	BHOIA
ncident # :	Incide		X X X	0.5' G 1	7/14/23 0850 0	S	BHOI
Sample Comments	Samp		B- Ch TF	Depth Grab/ # of Comp Cont	Date Time C	n Matrix	Sample Identification
NaOH+Ascorbic Acid: SAPC	NaOH+Asco		10	F. D	Corrected Temperature:		Total Containers:
Zn Acetate+NaOH: Zn	Zn Acetate	690-4900 Citaling Custocky		2	Temperature Reading:	Yes No N/A	Sample Custody Seals:
NaSO 3	Na ₂ S ₂ O ₃ : NaSO ₃		le		Correction Factor:	Yes Too WA	Cooler Custody Seals:
NABIS	NaHSO 4: NABIS		S	MOOH Tam	Thermometer ID:	(Mes No	Samples Received Intact:
	H ₃ PO ₄ : HP			Yes No	Yes No Wet Ice:	Temp Blank:	SAMPLE RECEIPT
NaOH: Na	H ₂ SO ₄ : H ₂				the lab, if received by 4:30pm	,	PO #:
HNO 3: HN	HCI:HC	-		received by	Merced th Robert/Sacah Welvas TAT starts the day received by	ed th Boby Sac	Sampler's Name: Me
MeOH: Me	Cool: Cool				32,318594,703.930/08 Due Date:	318594,703.	Project Location: 32
DI Water: H ₂ O	None: NO			Rush Code	Routine	0301558359	Project Number:
				2			

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

otal 200.7 / 6010 BHOFA

200.8 / 6020:

8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K

TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag

∃ ∪

Hg: 1631 / 245.1 / 7470 / 7471 Ag SiO₂ Na Sr Tl Sn U V Zn

moberty densoluntom

API: 30.015-27602

Cost

Center

113655100

NAB1722948770

Incident # :

Sample Comments

RP: 2RP-4347

Se

BHOOB

BHOCK

8H07

1020 STOI

2101 0101

رو

BHOG

BHOS B BHOSA

1000 2560 0250 0945

2001

8 LO HS

8405

eurofins: **Environment Testing**

Chain of Custody

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

Codes	Preservative Codes	EST
	Deliverables: EDD ADaPT Other:	
] Level IV []	Reporting: Level III Level III PST/UST TRRP Level IV	70
	State of Project:	S
Superfund 🗌	Program: UST/PST PRP Brownfields RRC Superfund	70
	Work Order Comments	_
of	www.xenco.com Page 2 of 6	1

	4			
	114.03	711412314.052	way will	Languer
Received by: (Signature) Date/Time	Remquished by: (Signature) Rece	Date/Time	Received by: (Signature)	Relinquished by: (Signature)

Na 2S 2O3: NaSO 3

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

NaHSO 4: NABIS

H3PO4:HP H2S0 4: H2 Cool: Coo None: NO

HCL: HC

NaOH: Na HNO 3: HN MeOH: Me DI Water: H₂O

SAMPLE RECEIPT

Temp Blank: Yes

Yes No

Wet Ice:

Yes No

Parameters

No

Sampler's Name:

Meredim Lobert Stran Welvhild starts the day received by Jane lab. If received by 4:30pm

oject Location:

roject Number: roject Name:

0301558259

Nash Unit

32.318594, 703.930108

Due Date:

Routine

Rush

Code

Turn Around

Phone:

337-257-8301

Email:

+momsscy@ensolven com

ANALYSIS REQU

Carlsback

NM 887226

City, State ZIP:

City, State ZIP:

ddress:

3122 Not 1 Parks Hwy Carisbad, NM 88220

Company Name:

Ensciven, Tacoma

Monissey

Bill to: (if different)

Company Name

3104 E

XTO

Grean y Greene

Garrett Green

Cooler Custody Seals:

ample Custody Seals:

Yes Yes No N/A

NONA

Corrected Temperature:

otal Containers:

Sample Identification

Matrix

Sampled

Date

Time Sampled

Depth

of

BTEX

TPH

Chlorides

Comp Grab/

Cont

7/14/23

0940

amples Received Intact:

Work Order No:

13 14

eurofins Xenco **Environment Testing**

Address:

3122 Natil

Parks Hwy

88220

City, State ZIP:

Ensolum

337. 257.830 Larisbad, NM

Email:

tmo m ssey (ensolum. com

ANALYSIS REQUEST

HCL: HC

Cool: Cool None: NO

Preservative Codes

DI Water: H₂O

H2SO 4: H2

NaOH: Na NH : ONH MeOH: Me

Na 2S 2O3: NaSO 3

NaHSO 4: NABIS H3PO4: HP

NaOH+Ascorbic Acid: SAPC Zn Acetate+NaOH: Zn

Sample Comments

Carlsbad, NM 882

3104 E Greene

ompany Name:

oject Manager

Tacoma Mornissey

Bill to: (if different)

Company Name:

City, State ZIP:

Chain of Custody

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

Work Order No:

bad, NM (575) 988-3199	www.xenco.com Page 3 of b
rett Green	Work Order Comments
XTD Energy	Program: UST/PST PRP Brownfields RRC Superfund
14 E Greene St	State of Project:
ad, NM 88220	Reporting: Level III Level III PST/UST TRRP Level IV
scium com	Deliverables: EDD ADaPT Other:

			6			
			ž,			
	23	1/10 USO 1-14-23	TY:35 7114232	Sam C	12 mm	Jussey.
Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)		Relinquished by: (Signature)
	lated.	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated	nparny to Eurofins Xenco, its affiliates and subsses or expenses incurred by the client if sucuried by the client if sucuried by the client if sucuried to Eurofins Xenco, but not analyze.	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstance of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced to	and relinquishment of samples con ble only for the cost of samples and ge of \$85.00 will be applied to each	otice: Signature of this document a of service. Eurofins Xenco will be lia of Eurofins Xenco. A minimum char
70 / 7471	Hg: 1631 / 245.1 / 7470 / /4/1	Co Cu Pb Mn Mo Ni Se Ag Tl U	TCLP/SPLP6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo N		Circle Method(s) and Metal(s) to be analyzed	Circle Method(s) and I
n U V Zn	li K Se Ag SiO ₂ Na Sr Tl Sı	8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn	1 Al Sb As Ba Be B Cd C	8RCRA 13PPM Texas 1	200.8 / 6020:	Total 200.7 / 6010
mobert Censolum won	mr		+ + + +	1110 2	+	BUNB
AP1: 30.015. 27602	AP			11.05		AN IDA
				1100 0.5		BHO
1136551001				1055 2		8409B
Cost Center	Cos			1050 1		APO#3
				1045 0.5		RHOC

SAMPLE RECEIPT

Temp Blank: Yes

Yes No

Wet Ice:

Yes

No

Parameters

No

ampler's Name:

MeredithRuberty/SuranWelvay

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

32. 318594, -103.930108 Due Date:

roject Location:

roject Number:

0301558259

Routine

Rush

Code

Turn Around

roject Name:

Total Containers:

Sample Identification

Matrix

Sampled

Time Sampled

Depth

of Cont

BTEX

TPH

Chlorides

Comp Grab/

Date

11433

0

BH08

W)

1045 1300 1040 1035 1030

RP: 2RP: 4347

NAB1722948770 ncident #:

BHOR BH04 Cooler Custody Seals:

Yes

No N/A No N/A

Corrected Temperature

ample Custody Seals:

amples Received Intact:

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

BH 17

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WWW

B H

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03

Total 200.7 / 6010

200.8 / 6020:

8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni

K Se

Hg: 1631 / 245.1 / 7470 / 7471 Ag SiO₂ Na Sr Tl Sn U V Zn

AP1: 30. 015-27602

mobertalensolum.

RP: 2RP-4347

NA8;722948770

neident #:

Cost Center:

1136551001

TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U

eurofins

13 14

Chain of Custody

Preservative Codes	SI	ANALYSIS REQUEST	Turn Around	Turn	Nash Unit 12	Nas
ADaPT Other:	Deliverables: EDD ADa	+momssey@ensolum.com	tmorr	Email:	337-257-8307	337
PST/UST TRRP Level IV	Reporting: Level III Level III PST/UST TRRP Level IV	Carlsback, NM 88220	City, State ZIP:		Carisbad, NM 68220	Cart
]	State of Project:	Stee 3 of E Green St	Address:		3122 Natil Parks Hwy	3127
wnfields RRC Superfund	Program: UST/PST PRP Brownfields RRC Superfund	XTO Energy	Company Name:		Ensolum, LLC	Ens
omments	Work Order Comments	Garrett Green	Bill to: (if different)		Tacoma Momissien	Tac
v.xenco.com Page 4 of 6	www.xenco.com	Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	Hobbs, NM (57			
		EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	EL Paso, TX (91		Xenco	
	Work Order No:	Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	Midland, TX (43)	esting	Environment Testing	C

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SAMPLE RECEIPT

Temp Blank: Yes No N/A N_O

Wet ice:

Yes

No

H250 4: H2 HCL: HC

NaOH: Na NH: ONH МеОН: Ме DI Water: H₂O

Na₂S₂O₃: NaSO₃ NaHSO 4: NABIS H₃PO₄: HP

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Comments

None: NO

Cool: Coo

Parameters

No

Thermomete Yes No

Cooler Custody Seals:

Yes

X

Corrected Temperatu

amples Received Intact:

fotal Containers: Sample Custody Seals:

Sample Identification

Matrix

Date

Time Sampled

Depth

Cont # of

Grab/ Comp G

BTEX

TPH

Chlorides

7/14/23 Sampled

1115

Sampler's Name:

Meral ith Eubert Saran Wells starts the day received by the lab, if received by 4:30pm

Project Location:

32.318594, 703.936108 0301558259

Due Date:

Routine

Code

Project Number:

roject Name:

Phone:

Address:

Company Name: roject Manager:

City, State ZIP:

Xenco **Environment Testing**

Chain of Custody

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

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				1' 11250	*	HEI HS
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0P# 281-4374	Pot			1' 1200		BH ISA
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7+25-578-51 84N	NAG			2 13-10	1 1	BHIYB
Mide of #	Inc			3 1' 1205 6	5 7/14/23	RH IYA
Sample Comments	Sa		ont of BTO Child	Time Depth Grab/	Matrix Date Sampled	Sample Identification
NaOH+Ascorbic Acid: SAPC	NaOH+A		ex oci	Corrected Temperature:	Corrected	Total Containers:
Zn Acetate+NaOH: Zn	Zn Aceta		1	Temperature Reading:\	Yes No N/A Temperat	Sample Custody Seals: Y
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4: NABIS	NaHSO 4: NABIS		ıram	eter ID	Yes No Thermometer ID	Samples Received Intact:
HP	H ₃ PO ₄ : HP		eter	Wather Yes No	Temp Blank: Yes No	SAMPLE RECEIPT
	_		S			

Released to Imaging: 5/15/2025 1:31:42 PM

Sampler's Name:

Merchantelsuchur

318594-103.93010

Due Date:

Routine

Rush

Code

Turn Around

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

roject Location:

Project Number

J3C126859

257-4307

Email:

+MUSCISSEN

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Reporting: Level III 🔲 Level III 📗 PST/UST 📗 TRRP 🔲

Level IV

State of Project:

Program:

UST/PST ☐ PRP☐ Brownfields ☐

RRC _

Superfund [

Work Order Comments

www.xenco.com

Page

Deliverables:

EDD

ADaPT []

Other:

H₂SO₄: H₂ HCL: HC

Cool: Cool

HNO 3: HN

MeOH: Me

NaOH: Na

None: NO

DI Water: H₂O

Preservative Codes

ANALYSIS REQUEST

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Address:

Bill to: (if different) Company Name:

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Flora WH greene

Green

Address: City, State ZIP:

Company Name:

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

TOLO MICHAEL Market Mark	Balland Data (08/75/700) Dec. 1000 2	6						
Work Order Comments Program: UST/PST PRP Brownfields RRC Superfund State of Project: Reporting: Level III Level III PST/UST TRRP Level IV Deliverables: EDD ADAPT Other: Preservative Codes HCL: HC HNO; HN H,50,:HP NAHS0,:NABIS Na;5,0;:NaS0,:NaS0,3 Zn Acetate-NaOH: Na NaOH: Na NaOH: NaOH: Na NaOH: Acetate-NaOH: Zn NaOH: Na NaOH: NaOH: Na NaOH: NaOH: Na NaOH: NaOH: Na NaOH: NaSO 3 Zn Acetate-NaOH: Zn NaOH: Na NaOH: NaSO 3 Zn Acetate-NaOH: Na NaOH: Na NaOH: Na NaOH: Na NaOH: NaSO 3 Zn Acetate-NaOH: Na NaOH: Na NaO		4					0	
www.xenco.com Page 0 of 0 Work Order Comments		2	7114123	1.25	6 7.1	Clook	3	ton was
Work Order Comments Program: UST/PST PRP Brownfields RRC Superfund State of Project: Reporting: Level III Level III PST/UST TRRP Level IV Deliverables: EDD ADaPT Other: Preservative Codes None: NO DI Water: H₂O Cool: Cool MeOH: Me HCL: HC HNO;: HN H₂SO;: HP NaHSO;: NABIS Na₂S₂O;: NASIS NaOH+Ascorbic Acid: SAPC Sample Comments Proceedings APC: #; 30 * O; 34 * 30 * O; 34 * 36 * O; 34 *		Relinquished by: (Signature)	Date/Time	e)	by: (Signature	Received	(Signature)	elinquished by:
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Name: Taccompact Name: N	NaOH+Ascorbic Acid: SAPC		10		Temperature:	Corrected		Containers:
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	Na ₂ S ₂ O ₃ : NaSO ₃				Tagor:		o o	er Custody Seals:
Kenco El Paso, TX (951) 585-343, Lubbock, TX (800) 794-1296	NaHSO 4: NABIS				* 70:			oles Received Int
Renco	H ₃ PO ₂ : HP		eters		Wet Ice:		Temp Blank:	PLE RECEIPT
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Manager: TONCOMON MONT SSecy Bill to: (If different) CONT (PS) 392-7550, Carlsbad, NM (575) 988-3199 www.xenco.com Page b of www.xenco.c			Pres. Code			259	0301556	ct Number:
Xenco El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	Preservative Codes	ANALYSIS REQUEST		Around	Turn	S	Mash Unit	ct Name:
TONCOMON 1 Company Name: XTO @NOTS September State of Project: State of Project: Confished NM 873375 Confished NM 87	EDD ADaPT	COM		+moss i		8307	337-257	e.
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 Www.xenco.com Page 6 of Work Order Comments ENSOLUM 12C Company Name: XTO ENVIOLED Program: UST/PST PRP Brownfields RRC State of Project:	PST/UST TRRP		Carisba	City, State ZIP:	. 3	2	1 1	State ZIP:
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Xenco El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 www.xenco.com Page	UST/PST PRP Brownfields RRC			Company Name:		12/6	E0501UM	Company Name:
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 www.xenco.com Page of	Work Order Comments	_	Garret	Bill to: (if different)	Saey	330	Talama	Project Manager:
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	Page 6 of	, NM (575) 988-3199	NM (575) 392-7550, Carlsbad	Hobbs,		:		
THE COURT OF THE C		TX (806) 794-1296	TX (915) 585-3443, Lubbock	EL Paso.		0	Xenc	

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-4950-1 SDG Number: 03C1558259

Login Number: 4950 List Source: Eurofins Carlsbad

List Number: 1 Creator: Clifton, Cloe

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-4950-1 SDG Number: 03C1558259

Login Number: 4950
List Source: Eurofins Midland
List Number: 2
List Creation: 07/18/23 11:21 AM

Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
ls 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	N/A	

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<6mm (1/4").



APPENDIX F

Closure Request; February 8, 2019



February 8, 2019

Mr. Bradford Billings New Mexico Oil Conservation Division 1220 S. St. Francis Drive #3 Santa Fe, New Mexico 87505

RE: Closure Request
Nash Unit #12
Remediation Permit Number 2RP-4347
Eddy County, New Mexico

Dear Mr. Billings:

XTO Energy, Inc. (XTO) presents the following letter report detailing the excavation of impacted soil and confirmation soil sampling activities at the Nash Unit #12 (Site) in Unit Letter A of Section 7 in Township 24 South of Range 30 East, in Eddy County, New Mexico (See attached Figure – Geographic Location). The purpose of the soil sampling and excavation activities was to address impacts to soil after the release of produced water and crude oil at the Site on July 29, 2017. The release is included in the *Compliance Agreement for Remediation for Historical Releases* (Compliance Agreement) between XTO and the New Mexico Oil Conservation Division (NMOCD) effective November 13, 2018. The purpose of the Compliance Agreement is to ensure reportable releases that occurred prior to August 14, 2018, where XTO is responsible for the corrective action, comply with 19.15.29 of the New Mexico Administrative Code (NMAC) dated August 14, 2018. The release is categorized as a Tier II site in the Compliance Agreement, meaning remediation of the release began prior to August 14, 2018, the effective date of 19.15.29 NMAC, but a closure report is pending. Based on the results of the confirmation soil sampling events conducted following application of a biological amendment, XTO is submitting this closure report and requesting no further action for this release event.

BACKGROUND

On July 29, 2017, XTO discovered a release of approximately 22 barrels (bbls) of produced water and 4 barrels of crude oil when a poly flowline ruptured. An estimated 3 bbls of produced water and ½ bbls of crude oil were recovered. The release impacted an approximate 61,220 square feet of land immediately adjacent to and part of a playa (salt lake). According to the NMOCD online GIS map, the release occurred within a significant watercourse. XTO reported the release to the NMOCD on a Release Notification and Corrective Action Form C-141 on August 11, 2017 and was assigned RP Number 2RP-4347 (Appendix A).

This report summarizes remediation work completed during 2017, but never previously reported. All remediation work was conducted prior to implementation of 19.15.29.12 NMAC and under



direction of NMOCD at the time of the release. As such, XTO applied remediation action levels from NMOCD's *Guidelines for Spill*, *Leaks*, *and Releases*, dated 1993, including 5,000 milligrams per kilogram (mg/kg) total petroleum hydrocarbons (TPH). Background samples collected outside of the release footprint indicate naturally occurring chloride concentrations associated with an adjacent salt lake are 36,000 milligrams per kilogram (mg/kg) to 291,000 mg/kg. Therefore, chloride concentrations in remediation confirmation samples were compared to background concentrations with the understanding that the naturally occurring soils in the salt lake environment consist of significantly elevated chloride.

SOIL SAMPLING AND REMEDIATION ACTIVITIES

Basin Environmental Service Technologies (Basin) personnel were on site July 31, 2017, to collect initial soil samples and mitigate the affected area. Basin collected 17 surface soil samples from the release footprint and 2 background soil samples. The sample locations are depicted on the attached Figure.

Because the impacted area was in a location making excavation virtually impossible, Micro-Blaze® was sprayed on the impacted area to facilitate biodegradation of the hydrocarbons. Oil absorbent socks were placed in the release footprint to intercept residual hydrocarbons that may migrate in surface water toward the salt lake. Initial surface soil samples were collected within the release footprint and delivered to an approved NMOCD commercial laboratory for analysis. The analytical report details the concentration of chloride, Gasoline Range Organics (GRO), Diesel Range Organics (DRO), and Oil Range Organics (ORO) for the initial samples (Appendix B).

In the following weeks, Micro-Blaze® was applied 4 more times at the same ratio of 50:1, water to amendment. The oil absorbent socks were replaced weekly with new, non-impacted socks 7 times. No visible staining was observed on the oil absorbent socks after the fifth change.

On September 19, 2017, Basin Environmental collected discrete soil samples from the release footprint to monitor remediation progress and confirm TPH results were below NMOCD remediation action levels. The samples were analyzed by an NMOCD approved laboratory.

Another consultant collected an additional 6 background samples on February 6, 2019. The background samples were collected to better represent naturally occurring conditions at the salt lake. Soil sample locations for Background 1 through Background 6 are shown on the attached figure.

ANALYTICAL RESULTS

Laboratory analytical results indicated preliminary soil samples soil samples exceeded the applicable NMOCD remediation action levels and background sample results, indicating the necessity of additional remediation.

Laboratory analytical results of remediation confirmation soil samples indicated a reduction in TPH concentrations in the area of soil sample SP 10 from 5,170 mg/kg to below the laboratory



detection limit and soil sample SP 17 from 5,077 mg/kg to 1,640.4 mg/kg. TPH concentrations in all other remediation confirmation soil samples ranged from below the laboratory detection limit to 34.6 mg/kg. Chloride concentrations are within range of background concentrations and naturally occurring conditions based on the release area's close proximity to the salt lake. The laboratory analytical results are presented in Table 1 and Table 2 and the complete laboratory analytical reports are attached.

CONCLUSIONS

Laboratory analytical results for final confirmation soil samples collected after multiple applications of Micro-Blaze® indicate that TPH concentrations were compliant with NMOCD remediation action levels at the time remediation was conducted. Chloride concentrations are elevated, but the result of the naturally occurring conditions associated with the adjacent salt lake. XTO requests no further action for release number 2RP-4347. An updated NMOCD Form C-141 is included in Attachment 3.

If you have any questions or comments, please do not hesitate to contact Kyle Littrell at 432-221-7331 or Kyle Littrell@xtoenergy.com.

Sincerely,

Kyle Littrell Safety, Health, and Environmental Supervisor

cc: Amy Ruth, XTO Jim Amos, BLM Shelly Tucker, BLM

Attachments:

Figure - Geographic Location Figure - Initial Sampling

Table 1 2017 Concentrations of TPH Chloride

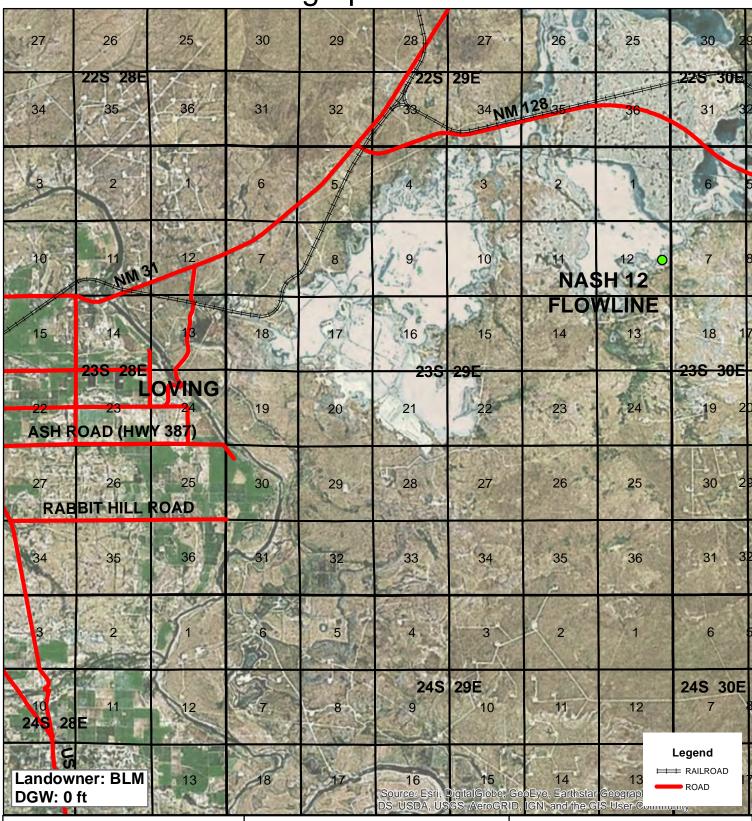
Table 2 Additional Background Soil Analytical Results

Appendix A Initial/Final NMOCD Form C-141 Appendix B Laboratory Analytical Reports

Appendix C Photo Log

FIGURES

Geographic Location



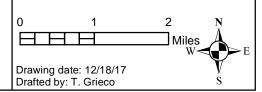


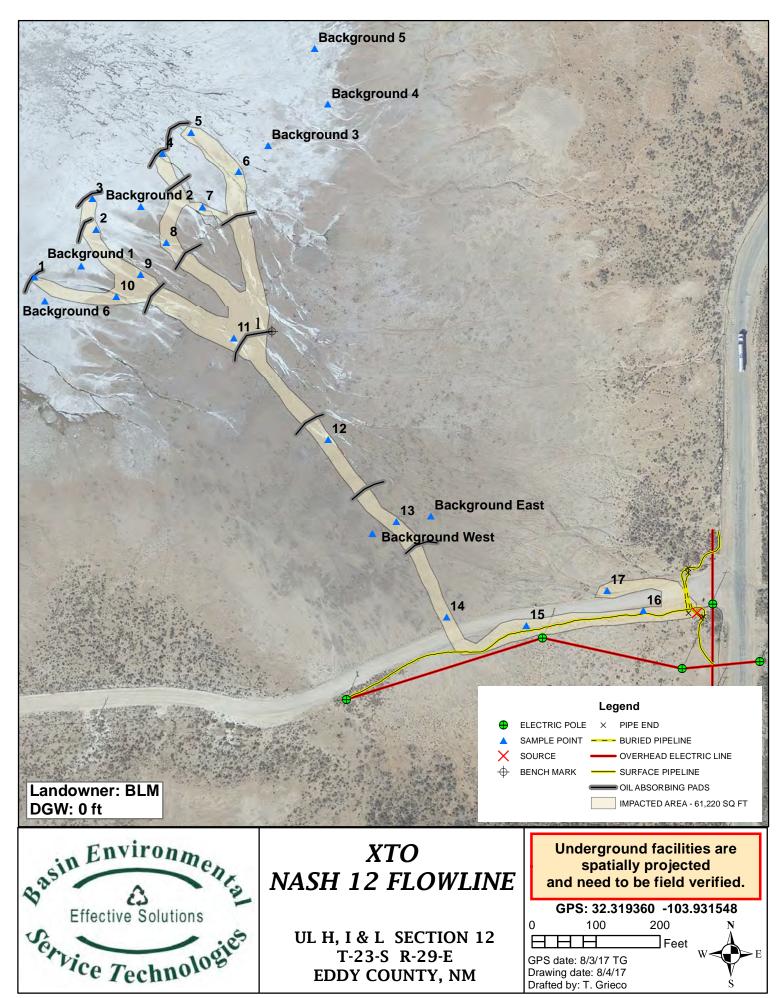
XTO NASH 12 FLOWLINE

2RP-4347

UL H, I & L SECTION 12 T-23-S R-29-E EDDY COUNTY, NM GPS: 32.319360 -103.931548

Figure 1





TABLE

TABLE 1 2017 CONCENTRATIONS OF TPH & CHLORIDE XTO

Nash 12 Flowline EDDY COUNTY, NEW MEXICO UL H, I, & L SEC 12, T-23-S, R-29-E

				ME	ETHOD: 8015	В	TPH	E 300
SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	-	DRO C ₁₀ · C ₂₈ (mg/Kg)	ORO C ₂₈ -C ₃₆ (mg/Kg)	TOTAL C ₆ · C ₃₆ (mg/Kg)	CHLORIDE (mg/Kg)
SP 1 @ Surface	SUR	7/31/2017	In-Situ	<10	<10	NA	<10	105000
SP 2 @ Surface	SUR	7/31/2017	In-Situ	<10	31.1	NA	31.1	44000
SP 3 @ Surface	SUR	7/31/2017	In-Situ	<10	1290	NA	1290	192000
SP 4 @ Surface	SUR	7/31/2017	In-Situ	<10	35	NA	35	172000
SP 5 @ Surface	SUR	7/31/2017	In-Situ	<10	1650	NA	1650	280000
SP 6 @ Surface	SUR	7/31/2017	In-Situ	<10	111	NA	111	42700
SP 7 @ Surface	SUR	7/31/2017	In-Situ	<10	185	NA	185	42700
SP 8 @ Surface	SUR	7/31/2017	In-Situ	<10	45.2	NA	45.2	48800
SP 9 @ Surface	SUR	7/31/2017	In-Situ	<10	1270	NA	1270	40800
SP 10 @ Surface	SUR	7/31/2017	In-Situ	<10	5170	NA	5170	36000
SP 11 @ Surface	SUR	7/31/2017	In-Situ	<10	1500	NA	1500	33600
SP 12 @ Surface	SUR	7/31/2017	In-Situ	<10	716	NA	716	51200
SP 13 @ Surface	SUR	7/31/2017	In-Situ	<10	218	NA	218	41600
SP 14 @ Surface	SUR	7/31/2017	In-Situ	<10	43.2	NA	43.2	37600
SP 15 @ Surface	SUR	7/31/2017	In-Situ	<10	155	NA	155	34400
SP 16 @ Surface	SUR	7/31/2017	In-Situ	<10	96.1	NA	96.1	35200
SP 17 @ Surface	SUR	7/31/2017	In-Situ	177	4900	NA	5077	36000
BKG West	SUR	7/31/2017	In-Situ	<10	<10	NA	<10	41600
BKG East	SUR	7/31/2017	In-Situ	<10	<10	NA	<10	36000

TABLE 1 2017 CONCENTRATIONS OF TPH & CHLORIDE XTO

Nash 12 Flowline EDDY COUNTY, NEW MEXICO UL H, I, & L SEC 12, T-23-S, R-29-E

				l MI	THOD: 8015	В	ТРН	E 300
SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS		DRO C ₁₀ ·	ORO C ₂₈ -C ₃₆ (mg/Kg)		CHLORIDE (mg/Kg)
SP 1 @ Surface	SUR	9/19/2017	In-Situ	<10	<10	<10	<10	50400
SP 1 @ 6"	6"	9/19/2017	In-Situ	<10	<10	<10	<10	65600
SP 2 @ Surface	SUR	9/19/2017	In-Situ	<10	<10	<10	<10	70400
SP 2 @ 6"	6"	9/19/2017	In-Situ	<10	<10	<10	<10	67200
SP 3 @ Surface	SUR	9/19/2017	In-Situ	<10	<10	<10	<10	60000
SP 3 @ 6"	6"	9/19/2017	In-Situ	<10	<10	<10	<10	61600
SP 4 @ Surface	SUR	9/19/2017	In-Situ	<10	<10	<10	<10	160000
SP 4 @ 6"	6"	9/19/2017	In-Situ	<10	<10	<10	<10	78400
SP 5 @ Surface	SUR	9/19/2017	In-Situ	<10	<10	<10	<10	111000
SP 5 @ 6"	6"	9/19/2017	In-Situ	<10	<10	<10	<10	81600
SP 6 @ Surface	SUR	9/19/2017	In-Situ	<10	<10	<10	<10	52000
SP 6 @ 6"	6"	9/19/2017	In-Situ	<10	<10	<10	<10	60800
SP 7 @ Surface	SUR	9/19/2017	In-Situ	<10	<10	<10	<10	97300
SP 7 @ 6"	6"	9/19/2017	In-Situ	<10	<10	<10	<10	48800
SP 8 @ Surface	SUR	9/19/2017	In-Situ	<10	<10	<10	<10	48000
SP 8 @ 6"	6"	9/19/2017	In-Situ	<10	<10	<10	<10	44000
SP 9 @ Surface	SUR	9/19/2017	In-Situ	<10	<10	<10	<10	48000
SP 9 @ 6"	6"	9/19/2017	In-Situ	<10	<10	<10	<10	45600
SP 10 @ Surface	SUR	9/19/2017	In-Situ	<10	<10	<10	<10	41600
SP 10 @ 6"	6"	9/19/2017	In-Situ	<10	<10	<10	<10	50400
SP 11 @ Surface	SUR	9/19/2017	In-Situ	<10	<10	<10	<10	46400
SP 11 @ 6"	6"	9/19/2017	In-Situ	<10	<10	<10	<10	33600
SP 12 @ Surface	SUR	9/19/2017	In-Situ	<10	<10	<10	<10	54400
SP 12 @ 6"	6"	9/19/2017	In-Situ	<10	<10	<10	<10	40000
SP 13 @ Surface	SUR	9/19/2017	In-Situ	<10	<10	<10	<10	45600
SP 13 @ 6"	6"	9/19/2017	In-Situ	<10	<10	<10	<10	30000
SP 14 @ Surface	SUR	9/19/2017	In-Situ	<10	34.6	<10	34.6	30000
SP 14 @ 6"	6"	9/19/2017	In-Situ	<10	<10	<10	<10	25200
SP 15 @ Surface	SUR	9/19/2017	In-Situ	<10	14.5	<10	14.5	42000
SP 15 @ 6"	6"	9/19/2017	In-Situ	<10	<10	<10	<10	18000
SP 16 @ Surface	SUR	9/19/2017	In-Situ	<10	13.3	<10	13.3	27600
SP 16 @ 6"	6"	9/19/2017	In-Situ	<10	<10	<10	<10	9200
SP 17 @ Surface	SUR	9/19/2017	In-Situ	<10	712	182	894	9060
SP 17 @ 6"	6"	9/19/2017	In-Situ	24.4	1370	246	1640.4	5330

TABLE 2 ADDITIONAL BACKGROUND SOIL ANALYTICAL RESULTS

NASH UNIT #12 REMEDIATION PERMIT NUMBER 2RP-4347 EDDY COUNTY, NEW MEXICO XTO ENERGY, INC.

Sample Name	Sample Depth (feet bgs)	Sample Date	Chloride (mg/kg)
Background 1	0.5	02/06/2019	48,500
Background 2	0.5	02/06/2019	27,100
Background 3	0.5	02/06/2019	36,100
Background 4	0.5	02/06/2019	21,100
Background 5	0.5	02/06/2019	31,900
Background 6	Surface	02/06/2019	291,000

Notes:

bgs - below ground surface mg/kg - milligrams per kilogram

APPENDICES

APPENDIX A

District 1 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico **Energy Minerals and Natural Resources**

Form C-141 Revised April 3, 2017

Oil Conservation Division 1220 South St. Francis Dr. Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action OPERATOR Initial Report Name of Company XTO Energy Contact Amy Ruth Address 522 W. Mermod, Suite 704, Carlsbad, NM 88220 Telephone No. 575-887-7329 Facility Name Nash Unit #012 Facility Type Exploration and Production Surface Owner Federal Mineral Owner Federal API No. 30-015- LOCATION OF RELEASE Unit Letter Section Township 23S Peet from the 2200 North/South Line South Feet from the 140 East/West Line East Eddy Latitude 32.318594 Longitude -103-930108 NAD83 NATURE OF RELEASE Type of Release Produced Water and Crude Oil Source of Release Poly Flow-line Date and Hour of Occurrence Date and Hour of D	
Name of Company XTO Energy Address 522 W. Mermod, Suite 704, Carlsbad, NM 88220 Facility Name Nash Unit #012 Surface Owner Federal Mineral Owner Federal LOCATION OF RELEASE Unit Letter Section 12 23S 29E 2200 South 140 East/West Line East/	
Name of Company XTO Energy Address 522 W. Mermod, Suite 704, Carlsbad, NM 88220 Facility Name Nash Unit #012 Surface Owner Federal Mineral Owner Federal LOCATION OF RELEASE Unit Letter Section 12 23S 29E 2200 South 140 East/West Line East/	t 🛛 Final Repor
Facility Name Nash Unit #012 Surface Owner Federal Mineral Owner Federal API No. 30-015- LOCATION OF RELEASE Unit Letter Section Township Range 29E 2200 South Sout	
Surface Owner Federal Mineral Owner Federal API No. 30-015- LOCATION OF RELEASE Unit Letter Section Township Range 29E 2200 South Sout	
LOCATION OF RELEASE Unit Letter Section Township Range 29E 2200 South South South East/West Line County East Eddy Latitude_32.318594_Longitude103-930108_NAD83 NATURE OF RELEASE Type of Release Produced Water and Crude Oil Volume of Release 22.37 bbl PW, Volume Recovered S.95 bbl Crude Oil Substitute South Substitute Substitut	
Unit Letter 1 Section 12 Township 23S Range 29E 2200 South South Line South Feet from the 140 East/West Line East Eddy Latitude_32.318594_Longitude103-930108_ NAD83 NATURE OF RELEASE Type of Release Produced Water and Crude Oil Volume of Release 22.37 bbl PW, 3.95 bbl Crude Oil Volume Recovered bbls Crude Oil	5-27602
Unit Letter 1 Section 12 Township 23S Range 29E 2200 South South Line South Feet from the 140 East/West Line East Eddy Latitude_32.318594_Longitude103-930108_ NAD83 NATURE OF RELEASE Type of Release Produced Water and Crude Oil Volume of Release 22.37 bbl PW, 3.95 bbl Crude Oil Volume Recovered bbls Crude Oil	
Latitude_32.318594_Longitude103-930108_ NAD83 NATURE OF RELEASE Type of Release Produced Water and Crude Oil Volume of Release 22.37 bbl PW, 3.95 bbl Crude Oil Volume Oil	
Type of Release Produced Water and Crude Oil Volume of Release 22.37 bbl PW, 3.95 bbl Crude Oil Volume Recovered bbls Crude Oil	
Type of Release Produced Water and Crude Oil Volume of Release 22.37 bbl PW, 3.95 bbl Crude Oil Volume Recovered bbls Crude Oil	
Type of Release Produced Water and Crude Oil Volume of Release 22.37 bbl PW, 3.95 bbl Crude Oil Volume Recovered bbls Crude Oil	
	d 2.98 bbls PW, 0.52
Source of Release Poly Flow-line Date and Hour of Occurrence Date and Hour of D	
7/29/17, Unknown 7:15 a.m.	Discovery 7/29/17,
Was Immediate Notice Given? ☐ Yes ☐ No ☐ Not Required ☐ If YES, To Whom? ☐ Mike Bratcher/Crystal Weaver (NMOCD), Jim Amos/Sh	helly Tucker (BLM)
By Whom? Amy Ruth Date and Hour 7/29/17, 4:25 p.m.	
Was a Watercourse Reached? ☐ Yes ☑ No ☐ If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was Impacted, Describe Fully.* N/A	
Describe Cause of Problem and Remedial Action Taken.* Poly flow-line ruptured. Well was shut in and free standing fluids were recovered.	
Describe Area Affected and Cleanup Action Taken.* The release impacted an approximate sixty-one thousand two-hundred twenty (61,220) square feet (ft²) of pasture. Micro-Blaze® was applied. Oil absorbent socks were placed in drainage areas.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NN regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface work the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance federal, state, or local laws and/or regulations.)	ich may endanger perator of liability water, human health
Signature: OIL CONSERVATION DIVISI	ION
Printed Name: Amy Ruth Approved by Environmental Specialist:	
Title: Environmental Coordinator Approval Date: Expiration Date:	
E-mail Address: Amy_Ruth@ XTOenergy.com Conditions of Approval: Attacher Date: \(\frac{2}{15} \) \(\frac{1}{7} \) Phone: 432-661-0571	ned 🔲

* Attach Additional Sheets If Necessary

APPENDIX B



August 02, 2017

ROBBIE RUNNELS

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: NASH 12 FLOW LINE

Enclosed are the results of analyses for samples received by the laboratory on 08/01/17 12:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keene

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

Basin Environmental Service ROBBIE RUNNELS P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received: 08/01/2017
Reported: 08/02/2017
Project Name: NASH 12 FLOW LINE

Project Number: NOT GIVEN

Project Location: XTO- EDDY CO NM

Sampling Date: 07/31/2017

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ SURFACE (H702000-01)

Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	105000	16.0	08/01/2017	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/01/2017	ND	185	92.4	200	5.38	
DRO >C10-C28	<10.0	10.0	08/01/2017	ND	197	98.7	200	2.73	
Surrogate: 1-Chlorooctane	110 9	28.3-16	54						
Surrogate: 1-Chlorooctadecane	127	% 347-15	7						

Sample ID: SP 2 @ SURFACE (H702000-02)

Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	44000	16.0	08/01/2017	ND	448	112	400	3.51	QM-07
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/01/2017	ND	185	92.4	200	5.38	
DRO >C10-C28	31.1	10.0	08/01/2017	ND	197	98.7	200	2.73	
Surrogate: 1-Chlorooctane	98.2	% 28.3-16							

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene

Surrogate: 1-Chlorooctadecane

Celey D. Keene, Lab Director/Quality Manager

112 %

34.7-157



Analytical Results For:

Basin Environmental Service ROBBIE RUNNELS P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received: 08/01/2017 Sampling Date: 07/31/2017

Reported: 08/02/2017 Sampling Type: Soil

Project Name: NASH 12 FLOW LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: XTO- EDDY CO NM

Sample ID: SP 3 @ SURFACE (H702000-03)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192000	16.0	08/01/2017	ND	448	112	400	3.51	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/01/2017	ND	185	92.4	200	5.38	
DRO >C10-C28	1290	10.0	08/01/2017	ND	197	98.7	200	2.73	
Surrogate: 1-Chlorooctane	110 9	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	143 9	% 34.7-15	7						

Sample ID: SP 4 @ SURFACE (H702000-04)

Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	172000	16.0	08/01/2017	ND	448	112	400	3.51	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/01/2017	ND	185	92.4	200	5.38	
DRO >C10-C28	35.0	10.0	08/01/2017	ND	197	98.7	200	2.73	
Surrogate: 1-Chlorooctane	115 9	28.3-16	54						
Surrogate: 1-Chlorooctadecane	135 9	% 34.7-15	7						

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Analytical Results For:

Basin Environmental Service ROBBIE RUNNELS P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received: 08/01/2017 Sampling Date: 07/31/2017

Reported: 08/02/2017 Sampling Type: Soil

Project Name: NASH 12 FLOW LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: XTO- EDDY CO NM

Sample ID: SP 5 @ SURFACE (H702000-05)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	280000	16.0	08/01/2017	ND	448	112	400	3.51	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/01/2017	ND	185	92.4	200	5.38	
DRO >C10-C28	1650	10.0	08/01/2017	ND	197	98.7	200	2.73	
Surrogate: 1-Chlorooctane	110 9	28.3-16	4						
Surrogate: 1-Chlorooctadecane	153 9	% 34.7-15	7						

Sample ID: SP 6 @ SURFACE (H702000-06)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	42700	16.0	08/01/2017	ND	448	112	400	3.51	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/01/2017	ND	185	92.4	200	5.38	
DRO >C10-C28	111	10.0	08/01/2017	ND	197	98.7	200	2.73	
Surrogate: 1-Chlorooctane	117	% 28.3-16	54						
Surrogate: 1-Chlorooctadecane	134	% 347-15	7						

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Celey D. Keine



Analytical Results For:

Basin Environmental Service ROBBIE RUNNELS P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received: 08/01/2017 Sampling Date: 07/31/2017

Reported: 08/02/2017 Sampling Type: Soil

Project Name: NASH 12 FLOW LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: XTO- EDDY CO NM

Sample ID: SP 7 @ SURFACE (H702000-07)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	42700	16.0	08/01/2017	ND	448	112	400	3.51	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/01/2017	ND	185	92.4	200	5.38	
DRO >C10-C28	185	10.0	08/01/2017	ND	197	98.7	200	2.73	
Surrogate: 1-Chlorooctane	109	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	134	% 34.7-15	7						

Sample ID: SP 8 @ SURFACE (H702000-08)

Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48800	16.0	08/01/2017	ND	448	112	400	3.51	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/01/2017	ND	185	92.4	200	5.38	
DRO >C10-C28	45.2	10.0	08/01/2017	ND	197	98.7	200	2.73	
Surrogate: 1-Chlorooctane	96.2	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	107	% 34.7-15	7						

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Celey D. Keene



Analytical Results For:

Basin Environmental Service **ROBBIE RUNNELS** P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received: 08/01/2017 Sampling Date: 07/31/2017

Reported: 08/02/2017 Sampling Type: Soil

Project Name: NASH 12 FLOW LINE Sampling Condition: Cool & Intact Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: XTO- EDDY CO NM

Sample ID: SP 9 @ SURFACE (H702000-09)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	40800	16.0	08/01/2017	ND	448	112	400	3.51	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/01/2017	ND	185	92.4	200	5.38	
DRO >C10-C28	1270	10.0	08/01/2017	ND	197	98.7	200	2.73	
Surrogate: 1-Chlorooctane	99.7	% 28.3-16	4						
	101	0/ 2/5/1	-						

Surrogate: 1-Chlorooctadecane 181 % 34.7-157

Sample ID: SP 10 @ SURFACE (H702000-10)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	36000	16.0	08/01/2017	ND	448	112	400	3.51	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/01/2017	ND	185	92.4	200	5.38	
DRO >C10-C28	5170	10.0	08/01/2017	ND	197	98.7	200	2.73	
Surrogate: 1-Chlorooctane	96.9	% 28.3-16	54						
Surrogate: 1-Chlorooctadecane	219	% 34.7-15	7						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

Basin Environmental Service **ROBBIE RUNNELS** P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received: 08/01/2017 Sampling Date: 07/31/2017

Reported: 08/02/2017 Sampling Type: Soil

Project Name: NASH 12 FLOW LINE Sampling Condition: Cool & Intact Sample Received By: Project Number: NOT GIVEN Tamara Oldaker

XTO- EDDY CO NM Project Location:

Sample ID: SP 11 @ SURFACE (H702000-11)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	33600	16.0	08/01/2017	ND	448	112	400	3.51	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/01/2017	ND	185	92.4	200	5.38	
DRO >C10-C28	1500	10.0	08/01/2017	ND	197	98.7	200	2.73	
Surrogate: 1-Chlorooctane	96.2	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	138	% 34.7-15	7						

Sample ID: SP 12 @ SURFACE (H702000-12)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	51200	16.0	08/01/2017	ND	448	112	400	3.51	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/01/2017	ND	185	92.4	200	5.38	
DRO >C10-C28	716	10.0	08/01/2017	ND	197	98.7	200	2.73	
Surrogate: 1-Chlorooctane	99.9	% 28.3-16							
Surrogate: 1-Chlorooctadecane	119	% 34.7-15	7						

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Celey D. Keine



Analytical Results For:

Basin Environmental Service ROBBIE RUNNELS P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received: 08/01/2017 Sampling Date: 07/31/2017

Reported: 08/02/2017 Sampling Type: Soil

Project Name: NASH 12 FLOW LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: XTO- EDDY CO NM

Sample ID: SP 13 @ SURFACE (H702000-13)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	41600	16.0	08/01/2017	ND	448	112	400	3.51	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/01/2017	ND	185	92.4	200	5.38	
DRO >C10-C28	218	10.0	08/01/2017	ND	197	98.7	200	2.73	
Surrogate: 1-Chlorooctane	97.5	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	116	% 34 7-15	7						

Sample ID: SP 14 @ SURFACE (H702000-14)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	37600	16.0	08/01/2017	ND	448	112	400	3.51	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/01/2017	ND	185	92.4	200	5.38	
DRO >C10-C28	43.2	10.0	08/01/2017	ND	197	98.7	200	2.73	
Surrogate: 1-Chlorooctane	109	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	132	% 34.7-15	7						

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Celey D. Keene



Analytical Results For:

Basin Environmental Service ROBBIE RUNNELS P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received: 08/01/2017 Sampling Date: 07/31/2017

Reported: 08/02/2017 Sampling Type: Soil

Project Name: NASH 12 FLOW LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: XTO- EDDY CO NM

Sample ID: SP 15 @ SURFACE (H702000-15)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	34400	16.0	08/01/2017	ND	448	112	400	3.51	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/01/2017	ND	185	92.4	200	5.38	
DRO >C10-C28	155	10.0	08/01/2017	ND	197	98.7	200	2.73	
Surrogate: 1-Chlorooctane	96.1	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	117	% 34.7-15	7						

Sample ID: SP 16 @ SURFACE (H702000-16)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	35200	16.0	08/01/2017	ND	448	112	400	3.51	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/01/2017	ND	185	92.4	200	5.38	
DRO >C10-C28	96.1	10.0	08/01/2017	ND	197	98.7	200	2.73	
Surrogate: 1-Chlorooctane	108	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	125	% 34.7-15	7						

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Celey D. Keine



Analytical Results For:

Basin Environmental Service ROBBIE RUNNELS P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received: 08/01/2017 Sampling Date: 07/31/2017

Reported: 08/02/2017 Sampling Type: Soil
Project Name: NASH 12 FLOW LINE Sampling Condition: Cool & Intact

Project Number: NOT GIVEN Sample Received By: Tamara Oldaker
Project Location: XTO- EDDY CO NM

Sample ID: SP 17 @ SURFACE (H702000-17)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	36000	16.0	08/01/2017	ND	448	112	400	3.51	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	177	10.0	08/01/2017	ND	185	92.4	200	5.38	
DRO >C10-C28	4900	10.0	08/01/2017	ND	197	98.7	200	2.73	
Surrogate: 1-Chlorooctane	129	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	193	% 34.7-15	7						

Sample ID: BACKGROUND EAST (H702000-18)

Chloride, SM4500CI-B	- mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	36000	16.0	08/01/2017	ND	448	112	400	3.51	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/01/2017	ND	185	92.4	200	5.38	
DRO >C10-C28	<10.0	10.0	08/01/2017	ND	197	98.7	200	2.73	
Surrogate: 1-Chlorooctane	112 9	% 28.3-16							
Surrogate: 1-Chlorooctadecane	120	% 34.7-15	7						

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Analytical Results For:

Basin Environmental Service ROBBIE RUNNELS P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received: 08/01/2017 Sampling Date: 07/31/2017

Reported: 08/02/2017 Sampling Type: Soil

Project Name: NASH 12 FLOW LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: XTO- EDDY CO NM

Sample ID: BACKGROUND WEST (H702000-19)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	41600	16.0	08/01/2017	ND	448	112	400	3.51	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/01/2017	ND	185	92.4	200	5.38	
DRO >C10-C28	<10.0	10.0	08/01/2017	ND	197	98.7	200	2.73	
Surrogate: 1-Chlorooctane	87.1	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	102	% 34.7-15	7						

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Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Freene

Relinquished By:

Sampler - UPS - Bus - Other:

Revision 1.0 FORM-006 Delivered By:

(Circle One)

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

PPCAPC ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

(5/5) 393-2320 1	5/5) 393-2326 FAX (5/5) 393-24/6	σ										
Company Name: Basin Environmen	Basin Environmental Service Technologies, LLC	ies, L	TC	1/6	BILL TO					ANALYSIS	REQUEST	
"				P.O. #:								
Address: P.O. Box 301				Company:	XTO Energy	nergy						
City: Lovington	State: NM	ip:	Zip: 88260	Attn:	Amy Ruth							
Phone #: (575)396-2378	Fax #: (575)396-1429	1429		Address:					_			
Project #:	Project Owner:	×	XTO Energy	City:)	3)			
Project Name: Nash 12 Flow Line				State: NM	Zip: 8	88260	de	5M	218			
Project Location: Eddy				Phone #:			lori	(80	(80			
Sampler Name: Amy Ruth				Fax #:			Ch	Н	EX			
FOR LABUSE ONLY		4	MATRIX	PRESERV.	SAMPLING	G		T	вт			
Lab I.D. Sample I.D.	į.	(G)RAB OR (C)OMP	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	DATE	TIME						
SP1 @ Surface		9	×	×	7/31/17	10:00	×	×				
9 SP2 @ Surface		_	×	×	7/31/17	10:05	×	×				
SP3 @ Surface			×	×	7/31/17	10:10	×	×				
		_	×	×	7/31/17	10:15	×	×				
			×	×	7/31/17	10:20	×	×				
SP6 @ Surface		9	1 ×	×	7/31/17	10:25	×	×				
7 SP7 @ Surface		9	×	×	7/31/17	10:45	×	×	-			
SP8 @ Surface		9	×	×	7/31/17	10:50	×	×	-			
_		9	×	×	7/31/17	10:55	×	×	-			-
SP10 @ Surface		9	1 ×	×	7/31/17	11:00	×	×				
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service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by own, its susseasures affiliation or successors arising out of or maked to the performance of services between the partitions, inspandless of whether such claim is based upon any of the above stated reasons or otherwise.	equental damages, including without oe of services hereunder by Cardina	limitation	in, business interruptions, loss of sless of whether such claim is ba	ruptions, loss of use, or loss of profits shourted by cherk, as sub- such claim is based upon any of the above stated reasons or of	tated reasons or of	herwise.						
Relinquished By: Date:	Date: 7/31/2017		Received By:			Phone Result: Fax Result:	ult:	□ Yes	O No	Add'l Phone #: Add'l Fax #:	**	
Amy Ruth	Time:	0	XX Z	ţ _		REMARKS:				2		

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

CHECKED BY: (Initials)

Please email results to pm@basinenv.com, amy_Ruth@xtoenergy.com

Revision 1.0 FORM-006

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

RDINAL LABORATORIES

DOVADO 101 East Marland, Hobbs, NM 88240

	(575) 393-2326 FAX (575) 393-2476	476							1	1	1	1	1			١	1					2	27		
Company Name:		ologies,	E	.,										BILL TO					ANA	ANALYSIS	1	18	KEQUESI	1	
Project Manager:	-								P.O.	9	*		1									_		_	
Address: P.O	P.O. Box 301							1	C	ğ	Company:	×		XTO Energy	gy				-						
City: Lovington	n State: NM	Zip:		88260	0				A	Attn:				Amy Ruth											
Phone #: (575	(575)396-2378 Fax # : (575)396-1429	396-142	9						P	9	Address:	**							_						
"	Project Owner:	er:	X	XTO Energy	ner	y			C	City:							1)	B)	_			_			
Project Name:	Nash 12 Flow Line								S	State:		Z		Zip: 882	88260	ide	15N	021	_						
Project Location:	ı: Eddy								P	on	Phone #:	77				nlor	(80	X (8	_						
Sampler Name:	Amy Ruth								T	Fax #:	77	1	1			CI	PH	TE	_			_			
FOR LAB USE ONLY		IP.				MATRIX	RIX	- 0		70	ᇛ	PRESERV.	?	SAMPLING			Т	В							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OM	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:		ICE / COOL	OTHER:	DATE	TIME										
11 Incorn	SP11 @ Surface	9	_			×					-	×		7/31/17	11:05	×	×		+	+	+	+			
17	SP12 @	9	_			×				-		×		7/31/17	11:10	×	×		+	+	+	+			
100	SP13 @	9	_			×			1	-	1	×		7/31/17	11:15	×	×		+	+	+	+			
14	SP14 @ Surface	9	-			×	Т	+	+	-	-	×		7/31/17	11:20	×	×	1	+	+	+	+			
2	SP15 @ Surface	9	-			×			+	+	1	×		7/31/17	11:25	×	×	I	+	+	+	+			
16	SP16 @ Surface	9	-		Т	×	Т	+	+	+	1	×		7/31/17	11:30	×	×	1	+	+	+	+			
(1)	SP17 @ Surface	9	-			×	T		+	+		×		7/31/17	11:35	×	×	1	+	+	+	+			
18	Background East	9	-	Т		×		+	+	+		×		//31/1/	11:40	*	×	1	+	+	+	+			
19	_	9	_			×		-	-	_		×		7/31/17	11:45	×	×		\perp	+	+	\vdash			
PLEASE NOTE: Lability a	PLEASE NOTE: Lability and Damages. Cardinat's lability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the applicable analyses. All claims including those for repligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims for charling the liability for incidental or corresponded damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its substitutions,	ny claim arit feemed wah without limit	sing w wed un	hether busine	based ade in	in con writing	and and	or tor	Se by	Can	imite final	within arofits	30 d	rount paid by the client ays after completion of med by client, its subsi-	for the fire applicable diaries,										
Relinquished By:	out of or related to the performance o	Cardinal, rec	Received By:	Ve de	By	V " §		1 18	{ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \) . m	2	S . Good any of the above	8	Subject to service of the	Phone Result: Fax Result: REMARKS:	uft		Yes 🗆 I	S No Ad	Add'l Phone #: Add'l Fax #:	7 6				
Relinquished By:	Date:	17 8	Received By:	I Ve	(By	9 %	h	•	A	1	All	May 1	(1)	B	Please en	nail re	sults	to pm@	basiner	nv.com	amy	2	uth@	xtoen	\mathcal{H} Please email results to pm@basinenv.com, amy_Ruth@xtoenergy.com
Delivered B	Delivered By: (Circle One) 3 40	1	2	1	Sal	Sample Condition	2 C	ond	E &	3 %	6	S.	E C	CHECKED BY:	Please en	nail re	SIIUS	to pm@	Dasilie	IV.COII	, dill	1		200	9,000
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September 25, 2017

ROBBIE RUNNELS

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: NASH 12 FLOW LINE

Enclosed are the results of analyses for samples received by the laboratory on 09/19/17 12:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keene

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

Basin Environmental Service ROBBIE RUNNELS P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

 Received:
 09/19/2017
 Sampling Date:
 09/19/2017

 Reported:
 09/25/2017
 Sampling Type:
 Soil

Project Name: NASH 12 FLOW LINE Sampling Condition: ** (See Notes)
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: XTO- EDDY CO NM

Sample ID: SP 1 @ SURFACE (H702528-01)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	50400	16.0	09/20/2017	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	190	95.0	200	0.677	
DRO >C10-C28	<10.0	10.0	09/21/2017	ND	210	105	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	102	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	116	% 34.7-15	7						

Sample ID: SP 1 @ 6" (H702528-02)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	65600	16.0	09/20/2017	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	190	95.0	200	0.677	
DRO >C10-C28	<10.0	10.0	09/21/2017	ND	210	105	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	100	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	104	% 34.7-15	7						

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Analytical Results For:

Basin Environmental Service ROBBIE RUNNELS P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

 Received:
 09/19/2017
 Sampling Date:
 09/19/2017

 Reported:
 09/25/2017
 Sampling Type:
 Soil

Project Name: NASH 12 FLOW LINE Sampling Condition: ** (See Notes)
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: XTO- EDDY CO NM

Sample ID: SP 2 @ SURFACE (H702528-03)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	70400	16.0	09/20/2017	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	190	95.0	200	0.677	
DRO >C10-C28	<10.0	10.0	09/21/2017	ND	210	105	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	104	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	114	% 34.7-15	7						

Sample ID: SP 2 @ 6" (H702528-04)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	67200	16.0	09/20/2017	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	190	95.0	200	0.677	
DRO >C10-C28	<10.0	10.0	09/21/2017	ND	210	105	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	103	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	111 9	% 34.7-15	7						

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Analytical Results For:

Basin Environmental Service ROBBIE RUNNELS P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

 Received:
 09/19/2017
 Sampling Date:
 09/19/2017

 Reported:
 09/25/2017
 Sampling Type:
 Soil

Project Name: NASH 12 FLOW LINE Sampling Condition: ** (See Notes)
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: XTO- EDDY CO NM

Sample ID: SP 3 @ SURFACE (H702528-05)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	60000	16.0	09/20/2017	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	190	95.0	200	0.677	
DRO >C10-C28	<10.0	10.0	09/21/2017	ND	210	105	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	105	% 28.3-16	54						
Surrogate: 1-Chlorooctadecane	111	% 34.7-15	7						

Sample ID: SP 3 @ 6" (H702528-06)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	61600	16.0	09/20/2017	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	190	95.0	200	0.677	
DRO >C10-C28	<10.0	10.0	09/21/2017	ND	210	105	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	106	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	115	% 34.7-15	7						

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Analytical Results For:

Basin Environmental Service ROBBIE RUNNELS P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

 Received:
 09/19/2017
 Sampling Date:
 09/19/2017

 Reported:
 09/25/2017
 Sampling Type:
 Soil

Project Name: NASH 12 FLOW LINE Sampling Condition: ** (See Notes)
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: XTO- EDDY CO NM

Sample ID: SP 4 @ SURFACE (H702528-07)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160000	16.0	09/20/2017	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	190	95.0	200	0.677	
DRO >C10-C28	<10.0	10.0	09/21/2017	ND	210	105	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	104 9	% 28.3-16	54						
Surrogate: 1-Chlorooctadecane	117 9	% 34.7-15	7						

Sample ID: SP 4 @ 6" (H702528-08)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	78400	16.0	09/20/2017	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	190	95.0	200	0.677	
DRO >C10-C28	<10.0	10.0	09/21/2017	ND	210	105	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	95.5	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	104	% 34.7-15	7						

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Analytical Results For:

Basin Environmental Service ROBBIE RUNNELS P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

 Received:
 09/19/2017
 Sampling Date:
 09/19/2017

 Reported:
 09/25/2017
 Sampling Type:
 Soil

Project Name: NASH 12 FLOW LINE Sampling Condition: ** (See Notes)
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: XTO- EDDY CO NM

Sample ID: SP 5 @ SURFACE (H702528-09)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	111000	16.0	09/20/2017	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	190	95.0	200	0.677	
DRO >C10-C28	<10.0	10.0	09/21/2017	ND	210	105	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	91.8	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	102	% 34.7-15	7						

Sample ID: SP 5 @ 6" (H702528-10)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	81600	16.0	09/20/2017	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	190	95.0	200	0.677	
DRO >C10-C28	<10.0	10.0	09/21/2017	ND	210	105	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	97.4	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	107	% 34.7-15	7						

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Analytical Results For:

Basin Environmental Service ROBBIE RUNNELS P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

 Received:
 09/19/2017
 Sampling Date:
 09/19/2017

 Reported:
 09/25/2017
 Sampling Type:
 Soil

Project Name: NASH 12 FLOW LINE Sampling Condition: ** (See Notes)
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: XTO- EDDY CO NM

Sample ID: SP 6 @ SURFACE (H702528-11)

Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	52000	16.0	09/20/2017	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	190	95.0	200	0.677	
DRO >C10-C28	<10.0	10.0	09/21/2017	ND	210	105	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	97.4	% 28.3-16							
Surrogate: 1-Chlorooctadecane	108 9	% 34.7-15	7						

Sample ID: SP 6 @ 6" (H702528-12)

Chloride, SM4500CI-B Analyte	mg/kg		Analyzed By: AC						
	Result	Reporting Limit	Analyzed	Method Blank	BS % Recovery	True Value QC	RPD	Qualifier	
Chloride	60800	16.0	09/21/2017	ND	432	108	400	3.64	QM-07
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	190	95.0	200	0.677	
DRO >C10-C28	<10.0	10.0	09/21/2017	ND	210	105	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	103	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	108	% 34.7-15	7						

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Analytical Results For:

Basin Environmental Service ROBBIE RUNNELS P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

 Received:
 09/19/2017
 Sampling Date:
 09/19/2017

 Reported:
 09/25/2017
 Sampling Type:
 Soil

Project Name: NASH 12 FLOW LINE Sampling Condition: ** (See Notes)
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: XTO- EDDY CO NM

Sample ID: SP 7 @ SURFACE (H702528-13)

Chloride, SM4500CI-B Analyte	mg/kg		Analyzed By: AC						
	Result	Reporting Limit	Analyzed	Method Blank	BS % Recovery	True Value QC	RPD	Qualifier	
Chloride	97300	16.0	09/21/2017	ND	432	108	400	3.64	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	190	95.0	200	0.677	
DRO >C10-C28	<10.0	10.0	09/21/2017	ND	210	105	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	103	% 28.3-16	74						
Surrogate: 1-Chlorooctadecane	105	% 34.7-15	7						

Sample ID: SP 7 @ 6" (H702528-14)

mg/kg		Analyzed By: AC						
Result	Reporting Limit	Analyzed	Method Blank	BS % Recovery	True Value QC	RPD	Qualifier	
48800	16.0	09/21/2017	ND	432	108	400	3.64	
mg/kg		Analyzed By: MS						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	09/21/2017	ND	190	95.0	200	0.677	
<10.0	10.0	09/21/2017	ND	210	105	200	3.67	
<10.0	10.0	09/21/2017	ND					
101	% 28.3-16	4						
112	% 34.7-15	7						
	Result 48800 mg, Result <10.0 <10.0 <10.0	Result Reporting Limit 48800 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0 10.0 28.3-16	Result Reporting Limit Analyzed 48800 16.0 09/21/2017 mg/kg Analyze Result Reporting Limit Analyzed <10.0	Result Reporting Limit Analyzed Method Blank 48800 16.0 09/21/2017 ND mg/ky Analyzed By: MS Result Reporting Limit Analyzed Method Blank <10.0	Result Reporting Limit Analyzed Method Blank BS 48800 16.0 09/21/2017 ND 432 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery 48800 16.0 09/21/2017 ND 432 108 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 48800 16.0 09/21/2017 ND 432 108 400 Result Reporting Limit Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 48800 16.0 09/21/2017 ND 432 108 400 3.64 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <10.0

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Analytical Results For:

Basin Environmental Service ROBBIE RUNNELS P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

 Received:
 09/19/2017
 Sampling Date:
 09/19/2017

 Reported:
 09/25/2017
 Sampling Type:
 Soil

Project Name: NASH 12 FLOW LINE Sampling Condition: ** (See Notes)

Project Number: NOT GIVEN Sample Received By: Tamara Oldaker
Project Location: XTO- EDDY CO NM

Sample ID: SP 8 @ SURFACE (H702528-15)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48000	16.0	09/21/2017	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	190	95.0	200	0.677	
DRO >C10-C28	<10.0	10.0	09/21/2017	ND	210	105	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	101	% 28.3-16	54						
Surrogate: 1-Chlorooctadecane	104	% 34.7-15	7						

Sample ID: SP 8 @ 6" (H702528-16)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	44000	16.0	09/21/2017	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	190	95.0	200	0.677	
DRO >C10-C28	<10.0	10.0	09/21/2017	ND	210	105	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	103	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	107	% 34.7-15	7						

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Analytical Results For:

Basin Environmental Service ROBBIE RUNNELS P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

 Received:
 09/19/2017
 Sampling Date:
 09/19/2017

 Reported:
 09/25/2017
 Sampling Type:
 Soil

Project Name: NASH 12 FLOW LINE Sampling Condition: ** (See Notes)
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: XTO- EDDY CO NM

Sample ID: SP 9 @ SURFACE (H702528-17)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48000	16.0	09/21/2017	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	190	95.0	200	0.677	
DRO >C10-C28	<10.0	10.0	09/21/2017	ND	210	105	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	106	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	117	% 34.7-15	7						

Sample ID: SP 9 @ 6" (H702528-18)

Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	45600	16.0	09/21/2017	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	190	95.0	200	0.677	
DRO >C10-C28	<10.0	10.0	09/21/2017	ND	210	105	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	107	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	112	% 34.7-15	7						

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Analytical Results For:

Basin Environmental Service ROBBIE RUNNELS P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

 Received:
 09/19/2017
 Sampling Date:
 09/19/2017

 Reported:
 09/25/2017
 Sampling Type:
 Soil

Project Name: NASH 12 FLOW LINE Sampling Condition: ** (See Notes)
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: XTO- EDDY CO NM

Sample ID: SP 10 @ SURFACE (H702528-19)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	41600	16.0	09/21/2017	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	191	95.3	200	1.88	
DRO >C10-C28	<10.0	10.0	09/21/2017	ND	188	94.2	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	101	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	106	% 34.7-15	7						

Sample ID: SP 10 @ 6" (H702528-20)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	50400	16.0	09/21/2017	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	191	95.3	200	1.88	
DRO >C10-C28	<10.0	10.0	09/21/2017	ND	188	94.2	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	101	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	107	% 34.7-15	7						

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Analytical Results For:

Basin Environmental Service ROBBIE RUNNELS P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

 Received:
 09/19/2017
 Sampling Date:
 09/19/2017

 Reported:
 09/25/2017
 Sampling Type:
 Soil

Project Name: NASH 12 FLOW LINE Sampling Condition: ** (See Notes)
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: XTO- EDDY CO NM

Sample ID: SP 11 @ SURFACE (H702528-21)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	46400	16.0	09/21/2017	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	191	95.3	200	1.88	
DRO >C10-C28	<10.0	10.0	09/21/2017	ND	188	94.2	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	98.1	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	99.9	% 34.7-15	7						

Sample ID: SP 11 @ 6" (H702528-22)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	33600	16.0	09/21/2017	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	191	95.3	200	1.88	
DRO >C10-C28	<10.0	10.0	09/21/2017	ND	188	94.2	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	89.9	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	100	% 34.7-15	7						

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Analytical Results For:

Basin Environmental Service ROBBIE RUNNELS P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received: 09/19/2017 Sampling Date: 09/19/2017

Reported: 09/25/2017 Sampling Type: Soil

Project Name: NASH 12 FLOW LINE Sampling Condition: ** (See Notes)

Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: XTO- EDDY CO NM

Sample ID: SP 12 @ SURFACE (H702528-23)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	54400	16.0	09/21/2017	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	191	95.3	200	1.88	
DRO >C10-C28	<10.0	10.0	09/21/2017	ND	188	94.2	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	98.8	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	104	% 34.7-15	7						

Sample ID: SP 12 @ 6" (H702528-24)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	40000	16.0	09/21/2017	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	191	95.3	200	1.88	
DRO >C10-C28	<10.0	10.0	09/21/2017	ND	188	94.2	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	98.6	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	102	% 34.7-15	7						

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Analytical Results For:

Basin Environmental Service ROBBIE RUNNELS P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received: 09/19/2017 Sampling Date: 09/19/2017

Reported: 09/25/2017 Sampling Type: Soil

Project Name: NASH 12 FLOW LINE Sampling Condition: ** (See Notes)

Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: XTO- EDDY CO NM

Sample ID: SP 13 @ SURFACE (H702528-25)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	45600	16.0	09/21/2017	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	191	95.3	200	1.88	
DRO >C10-C28	<10.0	10.0	09/21/2017	ND	188	94.2	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	110	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	111 9	% 34.7-15	7						

Sample ID: SP 13 @ 6" (H702528-26)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	30000	16.0	09/21/2017	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	191	95.3	200	1.88	
DRO >C10-C28	<10.0	10.0	09/21/2017	ND	188	94.2	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	66.3	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	93.8	% 34.7-15	7						

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Tamara Oldaker

Analytical Results For:

Basin Environmental Service **ROBBIE RUNNELS** P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received: 09/19/2017 Sampling Date: 09/19/2017 Reported: 09/25/2017 Sampling Type: Soil

Project Name: NASH 12 FLOW LINE Sampling Condition: ** (See Notes) Project Number: Sample Received By:

Project Location: XTO- EDDY CO NM

NOT GIVEN

Sample ID: SP 14 @ SURFACE (H702528-27)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	30000	16.0	09/21/2017	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	191	95.3	200	1.88	
DRO >C10-C28	34.6	10.0	09/21/2017	ND	188	94.2	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	102	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	111 9	% 34.7-15	7						

Sample ID: SP 14 @ 6" (H702528-28)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	25200	16.0	09/21/2017	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	191	95.3	200	1.88	
DRO >C10-C28	<10.0	10.0	09/21/2017	ND	188	94.2	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	91.2	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	97.7	% 34.7-15	7						

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Analytical Results For:

Basin Environmental Service ROBBIE RUNNELS P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

 Received:
 09/19/2017
 Sampling Date:
 09/19/2017

 Reported:
 09/25/2017
 Sampling Type:
 Soil

Project Name: NASH 12 FLOW LINE Sampling Condition: ** (See Notes)
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: XTO- EDDY CO NM

Sample ID: SP 15 @ SURFACE (H702528-29)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	42000	16.0	09/21/2017	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	191	95.3	200	1.88	
DRO >C10-C28	14.5	10.0	09/21/2017	ND	188	94.2	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	117	% 28.3-16	54						
Surrogate: 1-Chlorooctadecane	123	% 34.7-15	7						

Sample ID: SP 15 @ 6" (H702528-30)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18000	16.0	09/21/2017	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	191	95.3	200	1.88	
DRO >C10-C28	<10.0	10.0	09/21/2017	ND	188	94.2	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	96.7	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	102	% 34.7-15	7						

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Analytical Results For:

Basin Environmental Service ROBBIE RUNNELS P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

 Received:
 09/19/2017
 Sampling Date:
 09/19/2017

 Reported:
 09/25/2017
 Sampling Type:
 Soil

Project Name: NASH 12 FLOW LINE Sampling Condition: ** (See Notes)
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: XTO- EDDY CO NM

Sample ID: SP 16 @ SURFACE (H702528-31)

Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	27600	16.0	09/21/2017	ND	432	108	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	191	95.3	200	1.88	
DRO >C10-C28	13.3	10.0	09/21/2017	ND	188	94.2	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	99.5	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	106 9	% 34.7-15	7						

Sample ID: SP 16 @ 6" (H702528-32)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9200	16.0	09/21/2017	ND	432	108	400	3.64	QM-07
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	191	95.3	200	1.88	
DRO >C10-C28	<10.0	10.0	09/21/2017	ND	188	94.2	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	87.0	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	92.8	% 34.7-15	7						

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Analytical Results For:

Basin Environmental Service ROBBIE RUNNELS P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

 Received:
 09/19/2017
 Sampling Date:
 09/19/2017

 Reported:
 09/25/2017
 Sampling Type:
 Soil

Project Name: NASH 12 FLOW LINE Sampling Condition: ** (See Notes)
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: XTO- EDDY CO NM

Sample ID: SP 17 @ SURFACE (H702528-33)

Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9060	16.0	09/21/2017	ND	432	108	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2017	ND	191	95.3	200	1.88	
DRO >C10-C28	712	10.0	09/21/2017	ND	188	94.2	200	5.02	
EXT DRO >C28-C36	182	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	100 9	% 28.3-16	54						
Surrogate: 1-Chlorooctadecane	140 9	% 34.7-15	7						

Sample ID: SP 17 @ 6" (H702528-34)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5330	16.0	09/21/2017	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	24.4	10.0	09/21/2017	ND	191	95.3	200	1.88	
DRO >C10-C28	1370	10.0	09/21/2017	ND	188	94.2	200	5.02	
EXT DRO >C28-C36	246	10.0	09/21/2017	ND					
Surrogate: 1-Chlorooctane	104	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	127	% 34.7-15	7						

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Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Project Manager: Relinquished By: Sampler Name: Project Location: Project Name: Project #: Phone #: Relinquished By: Address: analyses. All claims including those for negligence and any other service. In no event shall Cardinal be liable for incidental or consu PLEASE NOTE: Liability and Damages. Sampler - UPS - Bus - Other: FOR LAB USE ONLY Delivered By: (Circle One) Lab I.D. 3 Revision 1.0 FORM-006 Lovington P.O. Box 301 (575)396-2378 Nash 12 Flowline SP1 @ 6" Robbie Runnels SP2 @ 6" SP5 @ Surface SP2 @ Surface SP5 @ 6" SP4 @ 6" SP4 @ Surface SP3 @ 6" SP3 @ Surface SP1 @ Surface (575) 393-2326 FAX (575) 393-2476 Eddy Basin Environmental Service Technologies, LLC Robbie Runnels Sample I.D 28:40 Fax #: (575)396-1429 Time: 2:25 Project Owner: Date: Time: Date: 19-17 damages, including without limitation, business interruptions State: NM amed waived unless made in writing and received by Cardinal within 30 days after con-Zip: † Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476 9 9 9 G)RAB OR (C)OMP 9 9 9 9 9 9 Received By: XTO Energy _ # CONTAINERS 88260 GROUNDWATER By Cool Intact
Yes Tyes
No No Sample Condition WASTEWATER MATRIX SOIL × × × × × × × OIL SLUDGE City: P.O. #: Attn: Fax #: State: Company: OTHER Phone #: Address: PRESERV. ACID/BASE ICE / COOL CHECKED BY: Z BILL TO OTHER (Initials) Zip: 9/19/17 9/19/17 9/19/17 9/19/17 9/19/17 9/19/17 9/19/17 9/19/17 by client, its subsidiaries 9/19/17 9/19/17 DATE Amy Ruth paid by the client for the SAMPLING XTO Energy tion of the app 88260 Fax Result: Please email results to pm@basinenv.com, amy_Ruth@xtoenergy.com 0900 0900 Phone Result: 0906 090 Q 6 Chloride × × × × × × × × TPH (8015M) × × × Yes Yes BTEX (8021B) No ANALYSIS REQUEST Add'l Phone #: Add'l Fax #:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476		
Company Name: Basin Environmental Service Technologies, LLC	BILL TO	ANALYSIS REQUEST
Project Manager: Robbie Runnels	P.O.#:	

Sample I.D. Sample I.D. Residence Specific Surface Specific Su	State: NM Zip: 8 State: NM Zip:	Nash 12 Flowline	Sample I.D.	State: NM Zip: 88260 Fax #: (575)396-1429 Address: Project Owner: XTO Energy City: State: NM Zip: 88260 Address: Project Owner: XTO Energy City: State: NM Zip: 88260 Phone #: Fax #: Phone #: Fax #: PRESERV SAMPLING PROJECT HIME GROOT NOW WAS DILL DURING HIME BAS OCCUR. GROOT HIME BAS OCCUR. GROOT HIME BAS OCC	† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476
Sample I.D. Constant and the professional and any other cause windows and of an initiated to the particularies interactive for California and any other causes windowseer shall be described By: Constant and the particularies of the particularies of a content of a direct succession increases of a content of the particularies of a content	State: NM Zip: 88260 de AM Eddy Ed	Sample I.D. State: NM Zip: 88260 State:	State No.	State: NM Zip: 88260 Attn:: AmyRuth Address: Addr	to pm@b
Sample I.D. Sample I.D. ON SITE TIME ON S	State: NM Zip: 88260 de Eddy Eddy Phone #: Phone Result:	State: NM Zip: 88260 Eddy Phone #: Phone Pho	Sample I.D.	State: NM Zip: 88260 Attn: AmyRuth Amy	es O
Section Sample I.D. Section Sample I.D. Section Sample I.D. Section Se	State: Nash 12 Flowline State: Nash 12 F	Project Owner: XTO Energy City: State: NM Zip: 88260 State:	City: State: Name: State: Name: State: Name: State: Name: State: State	ington State: NM Zip: 88260 Attn: AmyRuth	
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G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE	Sample I.D. State: NM Zip: 88260 de State: NM Zip: 88260 de Phone #: Fax #: Fax #: Chloride Chlorid	Project Owner: XTO Energy City: Nash 12 Flowline State: NM Zip: 88260 Sample I.D. Sample I.D. Sample I.D. Sample I.D. Sample I.D. Sample I.D. State: NM Zip: 88260 Fax #: Fax #: Fax #: Fax #: Chloride Chloride	Sample I.D.	Sample I.D. State: NM Zip: 88260 Attn: AmyRuth	^
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TOPOIC INCIDIO	Nash 12 Flowline State: NM Zip: 88260 e dd	Project Owner: XTO Energy City: State: NM Zip: 88260 e control of	396-2378	State: NM Zip: 88260 Attn: Amy Ruth 396-2378	EX
Robbie Runnels Fax #:	Nash 12 Flowline State: NM Zip: 88260 e	Nash 12 Flowline Project Owner: XTO Energy City: State: NM Zip: 88260 e	75)396-2378	Iton	(80
n: Eddy Phone #: Chlori		Project Owner: XTO Energy City:	(575)396-2378	ovington State: NM Zip: 88260 Attn: Amy Ruth (575)396-2378 Fax #: (575)396-1429 Address: Project Owner: XTO Energy City:)21
D. Box 301 State: NM Zip: 88260 Attn: Amy Ruth 5)396-2378 Fax #: (575)396-1429 Project Owner: XTO Energy City: Nash 12 Flowline Robbie Runnels Robbie Runnels Robbie Runnels Company: XTO Energy Attn: Amy Ruth Address: Phone #: Fax #: Fax #: City: Phone #: Fax #: City: Phone #: Fax #: City: Phone #: City: Phone #: City: Phone #: City: Phone #: City:	P.O. Box 301	Lovington State: NM Zip: 88260 Attn: An	P.O. Box 301 Company:		
r: Robbie Runnels P.O. #: D. Box 301 State: NM Zip: 88260 Company: XTO Energy On State: NM Zip: 88260 Attn: Amy Ruth 5)396-2378 Fax #: (575)396-1429 Address: Project Owner: XTO Energy City: Nash 12 Flowline State: NM Zip: 88260 n: Eddy Phone #: Fax #: Fax #:	P.O. Box 301 State: NM Zip: 88260 Address: (575)396-2378 Fax #: (575)396-1429 Address:	ct Manager: Robbie Runnels ss: P.O. Box 301 Lovington State: NM Zip: 88260 Attn: An	Robbie Runnels P.O. #: Box 301 Company:	Robbie Runnels	
## Basin Environmental Service Technologies, LLC ## P.O. #: P.O. #: P.O. #: Company: XTO Energy	Name: Basin Environmental Service Technologies, LLC #L anager: Robbie Runnels P.O. #: P.O. Box 301 State: NM Zip: 88260 Attn: An Address: .0vington Fax #: (575)396-1429 Address:	pany Name: Basin Environmental Service Technologies, LLC BlLL ct Manager: Robbie Runnels P.O. #: pss: P.O. Box 301 Company: Lovington State: NM Zip: 88260 Attn: An	Name: Basin Environmental Service Technologies, LLC BILL anager: Robbie Runnels P.O. #: P.O. Box 301 Company:	Basin Environmental Service Technologies, LLC Robbie Runnels P.O. #:	١

Revision 1.0

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARI	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476		
Company Name:	Basin Environmental Service Technologies, LLC	BILL TO	ANALYSIS REQUEST
Project Manager: Robbie Runnels	Robbie Runnels	P.O. #:	
Address: PO Box 301	20x 201	YTO Energy	

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Company Name:	: Basin Environmental Service Technologies, LLC	ice Technologies,	LLC	BILL 10				-	ANAL TOIS KEY	KEWOESI	1
Project Manager:	Robbie Runnels			P.O. #:							-
Address: P.C	P.O. Box 301			Company:	XTO Energy			_	_		
City: Lovington		State: NM Zip:	88260	Attn: Am	Amy Ruth						
Phone #: (57)	(575)396-2378 Fax	Fax #: (575)396-1429	.9	Address:							
Project #:	Pro	Project Owner:	XTO Energy	City:)	3)			
Project Name:	Nash 12 Flowline			State: NM Zip:	88260	de	5M	21E			
Project Location:	ı: Eddy			Phone #:		lorio	(801	(80			
Sampler Name:	Robbie Runnels			Fax #:		Ch	РН	EX			
FOR LAB USE ONLY		MP,	MATRIX	PRESERV. SA	SAMPLING		TI	ВТ			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	TE TIME						
21	SP11 @ Surface	9	1 ×	9/19/17	177 pf(3	×	×				
22	SP11 @ 6"	9	1 ×	9/19/17	-	×	×				
CC CC	SP12 @ Surface	9	×	9/19/17	117 6954	×	×	1			
550	SP12 @ 6"	9	×	9/19/17	117 0756	×	×				
35	SP13 @ Surface	9	×	9/19/17	_	×	×				
22	SP13 @ 6"	9	×	9/19/17	1601	×	×				-
27	SP14 @ Surface	9	×	9/19/17	1007	×	×				-
25	SP14 @ 6"	9	×	9/19/17	V17 /00 C	×	×				-
29	SP15 @ Surface	9	×	9/19/17	10/6	×	×				
SEASE NOTE: Linking and	SP15 @ 6"	g remedy for any claim arisin	x whether based in contract or tort, shall be limited to the	9/19/17 half be limited to the amount paid by the	9/19/17 /0 //	×	×	F			-
PLEASE NOTE: Liabilty an arialyses. All claims includin service. In no event shall Ca	cardinal's liability and on egligence and any other on ble for incidental or conse	a remedy for any caum arising the deemed waived ages, including without limitations.	ent's exclusive terricy) for any cern arealy wheter trees in outside, or for, is as or ensemble part of the characteristics and the statistic per shall be deemed waived uriess made in writing and received by Cardinal within 30 days after completion of the a querial damages, including without firstation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries and urbanism such claim is hared to on any of the above, stated receives or otherwise.	by Cardinal within 30 days after or, or loss of profits incurred by dier	ompletion of the applicable it, its subsidiaries.						
Relinquished By:		9-17	Received By:		Phone Result: Fax Result: REMARKS:	St tt sult:	☐ Yes☐ Yes	S O No	Add'l Phone #: Add'l Fax #:		
Relinquished By:			Received By:		Please pr	nail re		o pm@ba	sineny com, amy F	Please email results to pm@hasinenv.com, amv. Ruth@xtoenergv.com	
Delivered By: Sampler - UPS -	Delivered By: (Circle One) 28.46 Sampler - UPS - Bus - Other:	to Oxla	nt on	on CHECKED BY: (Initials)		04	a	to	ab hom	hill o	
FORM-006	06	† Ca	† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476	verbal changes. Plea	ase fax written	chang	es to 5	575-393-247	6		
TOKIN-O	00	I val	dilla calliot accept	rei Dai Gilailyes. I le	ase las willion	Running	00.00		" //		

Relinquished By:

Date: 19-1 Time: 25-Date:

eceived By:

Fax Result: REMARKS:

Phone Result:

□ Yes

O No

Add'l Phone #: Add'l Fax #:

Time:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

FORM-006 Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Sample Condition
Cool Intact
Yes Yes
No No

(Initials)

Please email results to pm@basinenv.com, amy_Ruth@xtoenergy.com

Relinquished By:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476
Company Name: Basin Environmental Service Technologies

Company trainer	The state of the s					PINAL ISIN DEPOLES	
		P.O. #:					\exists
Address: P.O. Box 301		iny:	XTO Energy				
City: Lovington State	State: NM Zip: 88260	A	Amy Ruth				
Phone #: (575)396-2378 Fax #:	Fax #: (575)396-1429	ess:					
Project #: Projec	Project Owner: XTO Energy	City:					
Project Name: Nash 12 Flowline		State: NM Zip:	88260	le	5M)	218	
Project Location: Eddy		Phone #:		orid	801	(802	
Sampler Name: Robbie Runnels		Fax #:		Chl	PH (EX	
FOR LAB USE ONLY	MATRIX	PRESERV. SA	SAMPLING		TF	ВТ	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	TE TIME				
₹ SP16 @ Surface	g 1 ×	9/19/17	17 /045	×	×		
32 SP16 @ 6"	g 1	9/19/17	1016	×	×		
33 SP17 @ Surface	9 1 ×	9/19/17	1020	×	×		
34 SP17 @ 6"	9 1 ×	9/19/17		×	×		
					1		

Analytical Report 613647

for

LT Environmental, Inc.

Project Manager: Adrian Baker
Nash Unit #12
2RP-4347

07-FEB-19

Collected By: Client





1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122): Texas (T104704215-18-28), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054) Oklahoma (2017-142)

> Xenco-Dallas (EPA Lab Code: TX01468): Texas (T104704295-18-17), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-18-18)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
Xenco-Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Phoenix Mobile (EPA Lab Code: AZ00901): Arizona (AZM757)

Xenco-Atlanta (LELAP Lab ID #04176) Xenco-Tampa: Florida (E87429) Xenco-Lakeland: Florida (E84098)





07-FEB-19

Project Manager: Adrian Baker LT Environmental, Inc. 4600 W. 60th Avenue Arvada, CO 80003

Reference: XENCO Report No(s): 613647

Nash Unit #12
Project Address:

Adrian Baker:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 613647. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 613647 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Vermer

Project Assistant

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America



Sample Cross Reference 613647



LT Environmental, Inc., Arvada, CO

Nash Unit #12

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Background 1	S	02-05-19 11:20	0.5 ft	613647-001
Background 2	S	02-05-19 12:00	0.5 ft	613647-002
Background 3	S	02-05-19 12:10	0.5 ft	613647-003
Background 4	S	02-05-19 12:15	0.5 ft	613647-004
Background 5	S	02-05-19 12:27	0.5 ft	613647-005
Background 6	S	02-05-19 12:55	N/A	613647-006

CASE NARRATIVE

Client Name: LT Environmental, Inc.

Project Name: Nash Unit #12

Project ID: 2RP-4347 Report Date: 07-FEB-19 Work Order Number(s): 613647 Date Received: 02/06/2019

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None



Certificate of Analysis Summary 613647

LT Environmental, Inc., Arvada, CO

Project Name: Nash Unit #12

Page 200

Project Id: 2RP-4347
Contact: Adrian Baker

Project Location:

Date Received in Lab: Wed Feb-06-19 12:00 pm

Report Date: 07-FEB-19 **Project Manager:** Jessica Kramer

	Lab Id:	613647-0	01	613647-0	02	613647-00)3	613647-0)4	613647-0	05	613647-0	06
Analysis Requested	Field Id:	Backgroun	d 1	Backgroun	d 2	Backgroun	d 3	Backgroun	d 4	Backgroun	d 5	Backgroun	d 6
Anaiysis Requesieu	Depth:	0.5- ft											
	Matrix:	SOIL											
	Sampled:	Feb-05-19 1	1:20	Feb-05-19 1	2:00	Feb-05-19 1	2:10	Feb-05-19 1	2:15	Feb-05-19 1	2:27	Feb-05-19 1	2:55
Inorganic Anions by EPA 300	Extracted:	Feb-06-19 1	3:00	Feb-06-19 1	4:00	Feb-06-19 1	4:00						
	Analyzed:	Feb-06-19 2	2:34	Feb-06-19 2	2:40	Feb-06-19 2	2:46	Feb-06-19 2	2:53	Feb-07-19 (0:56	Feb-07-19 0	1:21
	Units/RL:	mg/kg	RL										
Chloride		48500	250	27100	251	36100	250	21100	249	31900	251	291000	998

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Vramer





LT Environmental, Inc., Arvada, CO

Nash Unit #12

Sample Id: Background 1

CHE

Matrix: Soil

Date Received:02.06.19 12.00

Lab Sample Id: 613647-001 Date Collected: 02.05.19 11.20

Sample Depth: 0.5 ft

Analytical Method: Inorganic Anions by EPA 300

Prep Method: E300P

% Moisture:

Analyst: CHE

Tech:

Date Prep: 02.06.19 13.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	48500	250	mg/kg	02.06.19 22.34		50





LT Environmental, Inc., Arvada, CO

Nash Unit #12

Sample Id: Background 2

Matrix: Soil

Date Received:02.06.19 12.00

Lab Sample Id: 613647-002

Date Collected: 02.05.19 12.00

Sample Depth: 0.5 ft

Analytical Method: Inorganic Anions by EPA 300

Prep Method: E300P

% Moisture:

Tech: CHE

Analyst:

CHE

Date Prep: 02.06.19 13.00

Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	27100	251	mg/kg	02.06.19 22.40		50





LT Environmental, Inc., Arvada, CO

Nash Unit #12

Sample Id: **Background 3** Matrix: Soil Date Received:02.06.19 12.00

Lab Sample Id: 613647-003

Date Collected: 02.05.19 12.10

Sample Depth: 0.5 ft

Analytical Method: Inorganic Anions by EPA 300

Prep Method: E300P

Tech: CHE % Moisture:

CHE

Analyst:

02.06.19 13.00 Date Prep:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil	
Chloride	16887-00-6	36100	250	mg/kg	02.06.19 22.46		50	





LT Environmental, Inc., Arvada, CO

Nash Unit #12

Sample Id: Background 4

Matrix: Soil

Date Received:02.06.19 12.00

Lab Sample Id: 613647-004

Date Collected: 02.05.19 12.15

Sample Depth: 0.5 ft

Analytical Method: Inorganic Anions by EPA 300

Prep Method: E300P % Moisture:

Tech: Analyst: CHE CHE

Date Prep:

02.06.19 13.00

Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	21100	249	mg/kg	02.06.19 22.53		50





LT Environmental, Inc., Arvada, CO

Nash Unit #12

Sample Id: **Background 5**

Matrix: Soil

Date Received:02.06.19 12.00

Lab Sample Id: 613647-005

Date Collected: 02.05.19 12.27

Sample Depth: 0.5 ft

Analytical Method: Inorganic Anions by EPA 300

Prep Method: E300P % Moisture:

Tech:

Analyst:

CHE CHE

Date Prep:

02.06.19 14.00 Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	31900	251	mg/kg	02.07.19 00.56		50





LT Environmental, Inc., Arvada, CO

Nash Unit #12

Sample Id: Background 6

CHE

Matrix: Soil

Date Received:02.06.19 12.00

Lab Sample Id: 613647-006

Date Collected: 02.05.19 12.55

02.06.19 14.00

Analytical Method: Inorganic Anions by EPA 300

Prep Method: E300P

Tech: CHE

Analyst:

Date Prep:

% Moisture:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	291000	998	mg/kg	02.07.19 01.21		200



Flagging Criteria



Page 207 of 221

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantitation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- **K** Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit SDL Sample Detection Limit LOD Limit of Detection

PQL Practical Quantitation Limit MQL Method Quantitation Limit LOQ Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample BLK Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample BKSD/LCSD Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate MS Matrix Spike MSD: Matrix Spike Duplicate

- + NELAC certification not offered for this compound.
- * (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

^{**} Surrogate recovered outside laboratory control limit.

Analysis

Flag



QC Summary 613647

LT Environmental, Inc.

Nash Unit #12

LCSD

LCSD

Limits

%RPD RPD Limit Units

Prep Method:

E300P

Analytical Method: Inorganic Anions by EPA 300 E300P Prep Method: Seq Number: 3078364 Matrix: Solid Date Prep: 02.06.19

LCS

LCS Sample Id: 7671231-1-BKS LCSD Sample Id: 7671231-1-BSD MB Sample Id: 7671231-1-BLK LCS

Parameter Result Amount Result %Rec Date %Rec Result 02.06.19 19:47 Chloride < 0.858 250 244 98 228 91 90-110 20 mg/kg

Analytical Method: Inorganic Anions by EPA 300 E300P Prep Method:

Seq Number: 3078366 Matrix: Solid Date Prep: 02.06.19

MB Sample Id: 7671232-1-BLK LCS Sample Id: 7671232-1-BKS LCSD Sample Id: 7671232-1-BSD

MB Spike LCS LCS %RPD RPD Limit Units LCSD LCSD Limits Analysis Flag **Parameter** Result %Rec Date Result Amount Result %Rec

Chloride < 0.858 250 227 91 237 95 90-110 4 20 mg/kg 02.06.19 23:20

Analytical Method: Inorganic Anions by EPA 300

MR

Spike

3078364 Matrix: Soil 02.06.19 Seq Number: Date Prep:

MSD Sample Id: 613604-001 SD MS Sample Id: 613604-001 S 613604-001 Parent Sample Id:

Spike MS %RPD RPD Limit Units Parent MS **MSD MSD** Limits Analysis Flag **Parameter** Result Date Result %Rec Amount Result %Rec Chloride < 0.858 250 260 104 247 99 90-110 5 20 02.06.19 20:06 mg/kg

E300P Analytical Method: Inorganic Anions by EPA 300 Prep Method:

3078364 Seq Number: Matrix: Soil Date Prep: 02.06.19 MSD Sample Id: MS Sample Id: 613645-003 S 613645-003 SD Parent Sample Id: 613645-003

MS %RPD RPD Limit Units Parent Spike MS **MSD MSD** Limits Analysis Flag **Parameter** Result %Rec Date Result Amount Result %Rec Chloride 383 250 591 83 606 89 90-110 3 20 02.06.19 21:35 X mg/kg

E300P Analytical Method: Inorganic Anions by EPA 300 Prep Method:

Matrix: Soil Seq Number: 3078366 Date Prep: 02.06.19 Parent Sample Id: 613642-004 MS Sample Id: 613642-004 S MSD Sample Id: 613642-004 SD

Parent Spike MS MS Limits %RPD RPD Limit Units Analysis **MSD MSD** Flag **Parameter** Result Date Result Amount %Rec Result %Rec

Chloride 78.8 250 319 96 328 100 90-110 3 20 mg/kg 02.06.19 23:39

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference

[D] = 100*(C-A) / BRPD = 200* | (C-E) / (C+E) |[D] = 100 * (C) / [B]

Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample A = Parent Result

= MS/LCS Result = MSD/LCSD Result MS = Matrix Spike B = Spike Added D = MSD/LCSD % Rec

E300P

Prep Method:



QC Summary 613647

LT Environmental, Inc.

Nash Unit #12

Analytical Method: Inorganic Anions by EPA 300

Seq Number: 3078366 Matrix: Soil Date Prep: 02.06.19

Parent Sample Id: 613642-013 MS Sample Id: 613642-013 S MSD Sample Id: 613642-013 SD

MS %RPD RPD Limit Units Parent Spike MSLimits **MSD** MSD Analysis Flag **Parameter** Result Amount Result %Rec Date Result %Rec Chloride 9.40 250 259 100 262 101 90-110 20 02.07.19 01:08 mg/kg

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference [D] = 100*(C-A) / B RPD = 200* | (C-E) / (C+E) | [D] = 100 * (C) / [B]

Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample A = Parent Result

C = MS/LCS Result E = MSD/LCSD Result MS = Matrix Spike B = Spike AddedD = MSD/LCSD % Rec



Chain of Custody

Work Order No: ___

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334 Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296

	20 1	The Manual of the Control of the Con	a marting of political parties	of service. Xenco will be liab of Xenco. A minimum charge	Notice: Signature of this docu	Circle Method(s) a	Total 200 7 (504)		Michigan I	Buck ground	mak grand	parky some	packy son	mabory		Sample Identifi	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	Temperature (°C):	SAMPLE RECEIPT	Sampler's Name:	P.O. Number:	Project Number:	Project Name:	Phone: 4:	City, State ZIP: N	Address: 3	Company Name:	Project Manager: A	
	Marille !	The state of the	Received by: (%gnature)	of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if succontractors. It assigns standard terms and conditions of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated. Relinquished by Connection	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Yango its personance of the constitute of the const	nd Metal(s) to be analyzed			depol 6 3 V 12:55	12:	1521			2 02/05/2mg	matrix Sampled S	Dat	(N/A	8			Temp Blank: Yes No We	Lyada lavebach		2PP-4342	Nash Unit #12	432.704.5178 E	Midland, TX 79705	3300 North A Street	LT Environmental, Inc., Permian office	Adrian Baker	Hobbs,NM (
	2101191200	12 02/05/2019 11:3	Jate/Time	samples and shall not assume any responsibility for any losses or expenses incurred by the client if such loss led to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will	alid purchase order from client company to Yango	TCLP / SPLP 6010: 8RCRA Sb As Ba Be			Surface 2 X X X	27 0.5° 1 K K K	5 0.5° 2 A X X	0.5'	2 25' 2 X X X	0S'	Num TPus	iber	of (Contract		100	Wet Ice: Ves No	Due Date 02/07	Rush:	Routine		Email: Ilaun bach of thew. 18	City, State ZIP:		: 1 LTE	Bill to: (if different) Adria,	Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa FI /813-620-2000
<u></u>	4	3 2 7 pm/ 10/ m//m/	Reinquished by: (Signature)	red by the client if such losses are due to circum analyzed. These terms will be enforced unless p	to the second of	e B Cd Ca Cr Co									Chlor	ide	(EPA	300.	0)						ANA	is a harrow theor, com De	,,		Jaran /	Rec	-0900) Atlanta,GA (770-449-8800) Tampa FI (813-620-
			Received by: (Signature)	iors. It assigns standard terms and conditions ies are due to circumstances beyond the control be enforced unless previously negotiated.		Ni K Se Ag SiO2											TAT			<i>j</i>		Ch	<i>J Q</i>				Reporting:Level III evel III ST/UST			Work Order Com	Will Apple
		0 5/15 15.5	Date/Time		1631 / 245.1 / 7470 / 7471 : Hg	Na Sr Tl Sn U V Zn									Sample Comments	lab, if received by 4:30pm	TAT starts the day recevied by t				N. S.	chlorilos	St Im for	A Cider Moles	Work Order Notes	Other:		ובר ין_perfund [1	ments	

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Revised Date 051418 Rev. 2018.1



XENCO Laboratories Prelogin/Nonconformance Report- Sample Log-In



Client: LT Environmental, Inc.

Date/ Time Received: 02/06/2019 12:00:00 PM

Acceptable Temperature Range: 0 - 6 degC Air and Metal samples Acceptable Range: Ambient

Work Order #: 613647

Temperature Measuring device used: R8

	Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?		4
#2 *Shipping container in good condition	?	Yes
#3 *Samples received on ice?		Yes
#4 *Custody Seals intact on shipping cor	ntainer/ cooler?	N/A
#5 Custody Seals intact on sample bottle	es?	N/A
#6*Custody Seals Signed and dated?		N/A
#7 *Chain of Custody present?		Yes
#8 Any missing/extra samples?		No
#9 Chain of Custody signed when relinqu	uished/ received?	Yes
#10 Chain of Custody agrees with sample	e labels/matrix?	Yes
#11 Container label(s) legible and intact	?	Yes
#12 Samples in proper container/ bottle?)	Yes
#13 Samples properly preserved?		Yes
#14 Sample container(s) intact?		Yes
#15 Sufficient sample amount for indicat	ed test(s)?	Yes
#16 All samples received within hold time	e?	Yes
#17 Subcontract of sample(s)?		No
#18 Water VOC samples have zero head	dspace?	N/A
* Must be completed for after-hours de Analyst:	livery of samples prior to placing in	n the refrigerator
Checklist completed by:	Katie Lowe	Date: 02/06/2019
Checklist reviewed by:	Jessica Warner Jessica Kramer	Date: 02/06/2019

APPENDIX C

XTO Energy – Nash Unit #12 Unit Letter H, I & L of Section 12, T23S, R29E



Spraying Micro-Blaze® and sock placement 8/3/17



Absorbent sock placement 8/3/17



Absorbent sock placement





Absorbent sock placement

8/3/17

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 453786

QUESTIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	453786
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1722948770
Incident Name	NAB1722948770 NASH UNIT #012 @ 30-015-27602
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-27602] NASH UNIT #012

Location of Release Source	
Please answer all the questions in this group.	
Site Name	NASH UNIT #012
Date Release Discovered	07/29/2017
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Crude Oil Released: 4 BBL Recovered: 1 BBL Lost: 3 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 22 BBL Recovered: 3 BBL Lost: 19 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 453786

QUESTI	ONS (continued)
Operator: XTO ENERGY, INC	OGRID: 5380
6401 Holiday Hill Road Midland, TX 79707	Action Number: 453786
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	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	I i
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.
	ation 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 valuation 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 to 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: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 04/21/2025

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Phone: (505) 629-6116

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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 3

Action 453786

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	453786
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 200 and 300 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 100 and 200 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 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 ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation p	olan approval with this submission	Yes
Attach a comprehensive report dem	nonstrating the lateral and vertical extents of soil contamination a	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 co	ntained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		grams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	56200
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	73.4
GRO+DRO	(EPA SW-846 Method 8015M)	73.4
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will	the remediation commence	07/31/2017
On what date will (or did) the	e final sampling or liner inspection occur	07/14/2023
On what date will (or was) the	ne remediation complete(d)	07/14/2023
What is the estimated surface	ce area (in square feet) that will be reclaimed	0
What is the estimated volum	ne (in cubic yards) that will be reclaimed	0
What is the estimated surface	ce area (in square feet) that will be remediated	0
What is the estimated volum	ne (in cubic yards) that will be remediated	0
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		

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

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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 453786

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	453786
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	No
(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)	Yes
Other Non-listed Remedial Process. Please specify	No impacts identified following in situ remediation

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: Colton Brown Title: Environmental Advisor I hereby agree and sign off to the above statement Email: colton.s.brown@exxonmobil.com Date: 04/21/2025

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

QUESTIONS, Page 5

Action 453786

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	453786
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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Phone: (505) 629-6116

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Action 453786

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

State of New Mexico

QUESTIONS (continued)

Operator: XTO ENERGY, INC	5380	
6401 Holiday Hill Road Midland, TX 79707	Action Number: 453786	
	Action Type: [C-141] Remediation Closure Reques	st C-141 (C-141-v-Closure)
QUESTIONS		
Sampling Event Information		
Last sampling notification (C-141N) recorded	818	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	4/2023	
What was the (estimated) number of samples that were to be gathered		
What was the sampling surface area in square feet	00	

Remediation Closure Request		
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
Requesting a remediation closure approval with this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	0	
What was the total volume (cubic yards) remediated	0	
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes	
What was the total surface area (in square feet) reclaimed	0	
What was the total volume (in cubic yards) reclaimed	0	
Summarize any additional remediation activities not included by answers (above)	Soil sampling activities were conducted at the Site to address the July 29, 2017, crude oil and produced water release. Laboratory analytical results for soil samples collected within the release extent, from depths ranging from 0.5 feet to 2 feet bgs, indicated that BTEX and TPH concentrations were compliant with the Site Closure Criteria, successfully confirming the effectiveness of the in-situ remediation micro-blaze application. Chloride concentrations were elevated as a result naturally occurring conditions associated with the adjacent playa lake. XTO believes these remedial actions are protective of human health, the environment, and groundwater.	

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.

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: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 04/21/2025
--	---

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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 7

Action 453786

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	453786
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
nly answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 453786

CONDITIONS

Operator:	OGRID:
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CONDITIONS

Created By		Condition Date
scwells Remediation closure approved. A reclamation and revegetation report are still required to be submitted for this release, however a variance can be requested due to the high concentration of chlorides. All variance requests must comply with 19.15.29.14 NMAC.		5/15/2025