District I 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 Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

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Incident ID	
District RP	
Facility ID	
Application ID	

# **Release Notification**

# **Responsible Party**

Responsible Party: Enterprise Field Services, LLC	OGRID: <b>241602</b>
Contact Name: Thomas Long	Contact Telephone: 505-599-2286
Contact email:tjlong@eprod.com	Incident # (assigned by OCD) <b>nAPP2320969364</b>
Contact mailing address: 614 Reilly Ave, Farmington, NM 87401	

# **Location of Release Source**

Latitude 32.575083

Longitude -104.151796

(NAD 83 in decimal degrees to 5 decimal places)

)

Site Name Burton Flats 6 Inch	Site Type Natural Gas Gathering Pipeline
Date Release Discovered: 07/28/2023	Serial Number ( <i>if applicable</i> ): <b>N/A</b>

Unit Letter	Section	Township	Range	County
F	14	20N	28W	Eddy

Surface Owner: State Federal Tribal Private (Name: BLM

# Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls): Estimated 5 BBLs	Volume Recovered (bbls): None
Natural Gas	Volume Released (Mcf): 2.64 MCF	Volume Recovered (Mcf): None
Other (describe)	Volume/Weight Released (provide units):	Volume/Weight Recovered (provide units)

**Cause of Release** On July 28, 2023, Enterprise had a release of natural gas and natural gas liquids from the Burton Flats 6 Inch pipeline. The pipeline was isolated, depressurized, locked and tagged out. No fire nor injuries occurred. An area of approximately 150 feet in diameter was affect by the released fluids. The release was a result of a pipeline strike. Remediation was completed on September 11, 2023. The final excavation dimensions measured approximately 89 feet long by 30 feet wide by 11.5 feet deep. A total of 80 cubic yards of hydrocarbon impacted soil was excavated and transported to a New Mexico Oil Conservation Division (NMOCD) approved land farm. A third party closure report is included with this "Final" C-141.

Incident ID	
District RP	
Facility ID	
Application ID	

# Closure

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 (electronic submittals in .pdf format are preferred) 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.

Closure Report Attachment Checklist: Each of the following ite	ms must be included in the closure report.	
A scaled site and sampling diagram as described in 19.15.29.11 NMAC		
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)		
Laboratory analyses of final sampling (Note: appropriate ODC	District office must be notified 2 days prior to final sampling)	
Description of remediation activities		
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of a should their operations have failed to adequately investigate and rem- human health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regulati restore, reclaim, and re-vegetate the impacted surface area to the com- accordance with 19.15.29.13 NMAC including notification to the OC	ediate contamination that pose a threat to groundwater, surface water, C-141 report does not relieve the operator of responsibility for ions. The responsible party acknowledges they must substantially ditions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete.	
Printed Name: Thomas Long Ti	tle: <u>Senior Environmental Scientist</u>	
Signature:	Date: <u>10-25-2023</u>	
email: <u>tjlong@eprod.com</u> Tele	phone <u>: (505) 599-2286</u>	
OCD Only		
Received by: Scott Rodgers	Date:10/25/2023	
	f liability should their operations have failed to adequately investigate and ater, human health, or the environment nor does not relieve the responsible r regulations.	
Closure Approved by: Ashley Maxwell	Date: 11/28/2023	
Printed Name: Ashley Maxwell	Title: Environmental Specialist	



## **CLOSURE REPORT**

Property:

**Burton Flats 6 Inch** 

Unit F, S14, T20S, R28W 32.575083° N, 104.151796° W Eddy County, New Mexico NMOCD Incident ID: nAPP2320969364

October 19, 2023 Ensolum Project No. 03B1226307

Prepared for:

Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210

Attn: Thomas Long

Prepared by:

helly

Kelly Lowery, GIT Project Manager

KHithaus

Heather Holthaus Senior Project Manager



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   Supporting Documentation
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## **CLOSURE REPORT**

### **Burton Flats 6 Inch**

# Unit F, S14, T20S, R28W 32.575083° N, 104.151796° W Eddy County, New Mexico NMOCD Incident ID: nAPP2320969364

## Ensolum Project No. 03B1226307

## 1.0 INTRODUCTION

## 1.1 Site Description & Background

Operator:	Enterprise Field Services, LLC (Enterprise)	
Site Name:	Burton Flats 6 Inch	
Location:	Unit F, Section 14, Township 20 South, Range 28 West 32.575083° N, -104.151796° W Eddy County, New Mexico	
Property:	Bureau of Land Management (BLM)	
Regulatory:	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)	

On July 28, 2023, while a third-party company was installing a new pipeline right-of-way (ROW), an unmarked poly line was struck. It was later determined that the poly line belonged to Enterprise and was the Burton Flats 6 Inch. Approximately 2.64 one-thousand cubic feet (MCF) of natural gas was released to the atmosphere, along with 5 barrels (bbls) of condensate released onto the ground surface, with 0 bbls recovered. Enterprise reported the release to the New Mexico EMNRD OCD via a report through the online notice of release (NOR) form on July 28, 2023. The release was assigned Incident Number nAPP2320969364.

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

## **1.2 Project Objective**

The primary objective of the closure activities was to reduce chemicals of concern (COC) concentrations in the on-Site soils to below the applicable New Mexico EMNRD OCD closure criteria concentrations.

## 2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. In order to address activities related to exempt oil and gas releases, the New Mexico EMNRD OCD references New Mexico Administrative Code (NMAC) 19.15.29 *Releases,* which establishes investigation and abatement action requirements for sites subject to reporting and/or corrective action. Ensolum, LLC (Ensolum) utilized information provided by Enterprise, the general site characteristics, and information available from the New Mexico Office of the State Engineer (OSE) and the New Mexico EMNRD OCD Imaging database to determine the appropriate closure criteria for the Site. The gas portion of this release constitutes venting that occurred during an emergency or a malfunction, as authorized by the New Mexico OCD regulations at



Closure Report	October 19, 2023
Burton Flats 6 Inch	Page 2

NMAC 19.15.28.8.A and B(1). This release therefore is not prohibited by NMAC 19.15.29.8.A. Supporting documentation and figures associated with the following bullets are provided in **Appendix B**. One exploratory water well was identified east of the Site on the OSE Water Rights Reporting System (WRRS) database.

- The Site is not located within 300 feet of a New Mexico ENMRD OCD-defined continuously flowing watercourse or significant watercourse.
- The Site is not located within 200 feet of a lakebed, sinkhole or playa lake.
- The Site is not located within 300 feet from a permanent residence, school, hospital, institution or church.
- According to the OSE WRSS database there are no private, domestic freshwater wells used by less than five (5) households for domestic or stock water purposes identified within 500 feet of the Site.
- According to the OSE WRSS database there are no freshwater wells identified within 1,000 feet of the Site.
- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3.
- The Site is located within 300 feet of a wetland. A freshwater emergent wetland is located adjacent northwest to the Site.
- Based on information identified on the New Mexico Mining and Minerals Division's GIS, Maps and Mine Data database, the Site is not located within an area overlying a subsurface mine.
- Based on the Karst Occurrence Potential (.kmz) provided by the BLM, the Site is located within an unstable area, also referred to as high karst.
- The Site is not located within a 100-year floodplain.

Based on the identified siting criteria, cleanup goals for soils remaining in place at the Site include:

Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Method	Limit
	Chloride	EPA 300.0 or SM4500 CI B	600 mg/kg
≤ 50 feet	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

#### 3.0 SOIL REMEDIATION ACTIVITIES

On July 28, 2023, while a third-party company was installing a new pipeline ROW, an unmarked poly line was struck. It was later determined that the poly line belonged to Enterprise and was the Burton Flats 6 Inch. Approximately 2.64 MCF of natural gas was released to the atmosphere, along with 5 bbls of condensate released onto the ground surface, with 0 bbls recovered. The overspray during the release impacted an area approximately 80 feet long by 62 feet wide at the maximum extents. Following submittal of an emergency New Mexico One-Call (NM-811), corrective action activities were commenced by New Mexico Rental Pipeline, LLC (NMR) utilizing a backhoe to excavate soils from the release area.

On August 1, 2023, Ensolum arrived on-Site to collect four soil samples from the area impacted by the overspray during the release (SS-01 through SS-04). The overspray samples were collected at a depth of 0.5 feet below ground surface (bgs).

On August 16, 2023, Ensolum arrived on-Site to collect three additional soil samples from the area impacted by the overspray (SS-05, SS-06 and SS-07), three composite soil samples from the excavation floor (FS-1, FS-2 and FS-3), and five composite soil samples from the excavation sidewalls (SW-1 through SW-5). The overspray soil samples were collected at a depth of 0.5 feet, bgs, the excavation floor samples were collected at a depth of 10 feet bgs, and the excavation sidewall samples were collected at a depth of 0-10 feet bgs. Additionally, four confirmation delineation soil samples were collected outside of the excavation area (North, East, South and West) at a depth of 0.5 feet bgs, and two composite soil stockpile samples were collected from the excavated soil stockpiles staged on-Site (STP-1 and STP-2). Based on laboratory analytical data, additional excavation activities were necessary.

On August 25, 2023, subsequent to completion of additional excavation activities, Ensolum arrived on-Site to collect four composite soil samples from the excavation floor (FS-1, FS-2, FS-4 and FS-5), and six composite soil samples from the excavation sidewalls (SW-2, SW-4, and SW-6 through SW-9). The excavation floor samples were collected at a depth of 11.5 feet bgs and the excavation sidewall samples were collected at a depth of 0-10 feet bgs. Additionally, one confirmation delineation soil sample was collected outside of the excavation area (South) at a depth of 0-0.5 feet bgs, and one composite soil stockpile sample was collected from the excavated soil stockpile staged on-Site (STP-3). Based on laboratory analytical data, additional excavation activities were necessary.

On September 11, 2023, subsequent to completion of additional excavation activities, Ensolum arrived on-Site to collected one composite soil sample from the excavation floor (FS-4), and two composite soil samples from the excavation sidewalls (SW-7 and SW-9). The excavation floor sample was collected at a depth of 11.5 feet bgs and the excavation sidewall samples were collected at a depth of 0-10 feet bgs. In addition, one confirmation delineation soil sample was collected outside of the excavation area (North-2) at a depth of 0.5 feet bgs. Based on laboratory analytical data, no additional excavation or remediation activities were necessary.

The composite and confirmation soil samples were analyzed for benzene, toluene, ethylbenzene, total xylenes (BTEX) and total BTEX, total petroleum hydrocarbons (TPH), gasoline range organics (GRO), diesel range organics (DRO), motor oil/lube oil range organics (MRO), and chloride in accordance with the New Mexico EMNRD OCD Closure Criteria for Soils Impacted by a Release (NMOCD Closure Criteria).

The final excavation area measured approximately 89 feet long and 30 feet wide at the maximum extents, with a depth of 10 to 11.5 feet bgs.

The lithology encountered during the completion of closure activities consisted primarily of caliche.

A total of approximately 80 cubic yards of affected soils were excavated from the Site and transported to the Lea Land, LLC facility in Carlsbad, New Mexico. The excavation extent will be backfilled with clean imported fill, contoured to the original surrounding grade, and a BLM approved seed mixture will be sown into the surface area of the backfill for re-vegetation.

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

# 4.0 SOIL SAMPLING PROGRAM

Ensolum's soil sampling program from August 1, 2023 through September 11, 2023 included the collection of a total of 21 composite soil samples from the excavation floor and sidewalls (FS-1 through FS-5, and SW-1 through SW-9), seven confirmation overspray soil samples from seven locations impacted by the release overspray (SS-01 through SS-07), six confirmation delineation soil samples from four locations outside of the excavation area (North, North-2, East, South and West), and three composite soil stockpile samples from the excavation soil stockpiles staged on-Site (STP-1, STP-2 and STP-3) for laboratory analysis.

The composite and confirmation soil samples were collected and placed in laboratory prepared glassware, labeled/sealed using laboratory supplied labels and custody seals, and stored on ice in a cooler. The samples were relinquished to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico, under proper chain-of-custody procedures.

# 5.0 SOIL LABORATORY ANALYTICAL METHODS

The composite and confirmation soil samples were analyzed for BTEX using Environmental Protection Agency (EPA) SW-846 Method 8021B, TPH GRO/DRO/MRO using EPA SW-846 Method 8015M/D, and chloride using EPA Method 300.0.

Laboratory analytical results are summarized in **Table 1** in **Appendix D**. The executed chain-of-custody forms and laboratory data sheets are provided in **Appendix E**.

# 6.0 DATA EVALUATION

Ensolum compared the total benzene, total BTEX, TPH GRO/DRO/MRO, and chloride concentrations or laboratory sample detection limits (SDLs) associated with the final overspray confirmation soil samples (SS-01 through SS-04), the final composite excavation soil samples (FS-1 through FS-5, SW-1, SW-2, SW-4, and SW-6 through SW-9), and the final confirmation delineation soil samples (North, North-2, East, South, and West) for the soils left in place at the Site, and the composite soil stockpile samples (STP-1, STP-2 and STP-3) to the NMOCD Closure Criteria.

- Laboratory analytical results indicate total benzene concentrations for the final composite soil samples collected from the excavation area, the final confirmation overspray soil samples, and the final confirmation delineation samples outside of the impacted area do not exceed the laboratory SDLs or the NMOCD Closure Criteria of 10 milligrams per kilogram (mg/kg).
- Laboratory analytical results indicate total benzene concentrations for the composite soil samples collected from the stockpiles staged on-Site do not exceed the laboratory SDLs or the NMOCD Closure Criteria of 10 mg/kg.
- Laboratory analytical results indicate that total BTEX concentrations for the final composite soil samples collected from the excavation area, the final confirmation overspray soil samples, and the final confirmation delineation samples outside of the impacted area do not exceed the laboratory SDLs or the NMOCD Closure Criteria of 50 mg/kg.
- Laboratory analytical results indicate that total BTEX concentrations for the composite soil samples collected from the stockpiles staged on-Site do not exceed the laboratory SDLs or the NMOCD Closure Criteria of 50 mg/kg.

- Laboratory analytical results indicate combined TPH GRO/DRO/MRO concentrations for the final composite soil samples collected from the excavation area, the final confirmation overspray soil samples, and the final confirmation delineation samples outside of the impacted area do not exceed the laboratory SDLs or the applicable NMOCD Closure Criteria of 100 mg/kg for depth to groundwater ≤50 feet.
- Laboratory analytical results indicate combined TPH GRO/DRO/MRO concentrations for the composite soil samples collected from the stockpiles staged on-Site do not exceed the laboratory SDLs or the applicable NMOCD Closure Criteria of 100 mg/kg for depth to groundwater ≤50 feet.
- Laboratory analytical results indicate chloride concentrations for the final composite soil samples collected from the excavation area, the final confirmation overspray soil samples, and the final confirmation delineation samples outside of the impacted area do not exceed the laboratory SDLs and/or the NMOCD Closure Criteria of 600 mg/kg.
- Laboratory analytical results indicate chloride concentrations for the composite soil samples collected from the stockpiles staged on-Site do not exceed the NMOCD Closure Criteria of 600 mg/kg.

Laboratory analytical results are summarized in **Table 1** in **Appendix D**.

# 7.0 RECLAMATION AND RE-VEGETATION

Subsequent to the results of the final confirmation soil sampling, the excavated soils were removed and taken off-Site for proper disposal. The excavation area will be backfilled with clean fill material, and then contoured to the original surrounding grade. Once the areas are brought back to original grade, a BLM approved seed mixture will be sown into the surface of the backfill for re-vegetation.

## 8.0 FINDINGS AND RECOMMENDATION

- On July 28, 2023, while a third-party company was installing a new pipeline ROW, an unmarked poly line was struck. It was later determined that the poly line belonged to Enterprise and was the Burton Flats 6 Inch. Approximately 2.64 MCF of natural gas was released to the atmosphere, along with 5 bbls of condensate released onto the ground surface, with 0 bbls recovered. The overspray during the release impacted an area approximately 80 feet long by 62 feet wide at the maximum extents.
- Following submittal of an emergency New Mexico One-Call (NM-811), corrective action activities were commenced by NMR utilizing a backhoe to excavate soils from the release area.
- Between August 1 and September 11, 2023, Ensolum arrived on-Site to collect seven confirmation soil samples from the overspray area (SS-01 through SS-07), eight composite soil samples from the excavation floor (FS-1 through FS-5) and 13 composite soil samples from the excavation sidewalls (SW-1 through SW-9). The confirmation overspray soil samples were collected at a depth of 0.5 feet bgs, the composite floor samples were collected at a depth of 10 to 11.5 feet bgs and the composite sidewall samples were collected at a depth of 0-10 feet bgs. Additionally, six confirmation delineation samples were collected outside of the excavation area (North, North-2, East, South and West) at a depth of 0.5 feet bgs. In addition, three composite soil stockpile samples were collected from the excavated soil stockpiles staged on-Site (STP-1, STP-2 and STP-3).
- The primary objective of the closure activities was to reduce COC concentrations in the on-Site soils to below the applicable NMOCD Closure Criteria for Soils Impacted by a Release using the New Mexico EMNRD OCD's NMAC 19.15.29 *Releases* as guidance.
- The final excavation area measured approximately 89 feet long and 30 feet wide at the maximum extents, with a depth of 10 to 11.5 feet bgs.

Closure Report Burton Flats 6 Inch

- A total of seven confirmation soil samples from the overspray area (SS-01 through SS-07), 21 composite soil samples from the excavation floor and sidewalls (FS-1 through FS-5, and SW-1 through SW-9), six confirmation delineation soil samples from locations outside of the excavation area (North, North-2, East, South and West), and three composite soil stockpile samples from the excavation soil stockpiles staged on-Site (STP-1, STP-2 and STP-3) were collected for laboratory analysis.
- Based on the laboratory analytical results, the final composite and confirmation soil samples for the soils left in place at the Site collected from the excavation area and the delineation samples outside of the impacted area did not exhibit total benzene, total BTEX, TPH GRO/DRO/MRO or chloride concentrations above the applicable NMOCD Closure Criteria.
- Based on the laboratory analytical results, the composite soil samples collected from the soil stockpiles staged on-Site did not exhibit benzene, total BTEX, TPH GRO/DRO/MRO or chloride concentrations above the applicable NMOCD Closure Criteria.
- Subsequent to the results of the composite and confirmation soil sampling, the soil stockpiles staged on-Site were removed and taken off-Site for proper disposal. A total of approximately 80 cubic yards of soils were excavated and transported to the Lea Land, LLC facility in Carlsbad, New Mexico. The excavation area will be backfilled with clean fill material, contoured to the original surrounding grade, and a BLM approved seed mixture will be sown into the surface area of the backfill for re-vegetation.

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

# 9.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

# 9.1 Standard of Care

Ensolum's services were performed in accordance with standards customarily provided by a firm rendering the same or similar services in the area during the same time period. Ensolum makes no warranties, express or implied, as to the services performed hereunder. Additionally, Ensolum does not warrant the work of third parties supplying information used in the report (e.g. laboratories, regulatory agencies, or other third parties). This scope of services was performed in accordance with the scope of work agreed with the client, as detailed in our proposal.

# 9.2 Limitations

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

# 9.3 Reliance

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

Closure Report **Burton Flats 6 Inch**  Page 11 of 116

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Ensolum's Master Services Agreement. The limitation of liability defined in the agreement is the aggregate limit of Ensolum's liability to the client.



APPENDIX A

Figures









Released to Imaging: 11/28/2023 8:15:51 AM



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Received by OCD: 10/25/2023 8:49:14 AM

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# APPENDIX B

**Supporting Documentation** 

District I 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 Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Page 18cof 116

Incident ID	NAPP2320969364
District RP	
Facility ID	
Application ID	

# **Release Notification**

# **Responsible Party**

Responsible Party: Enterprise Field Services, LLC	OGRID: 241602
Contact Name: Thomas Long	Contact Telephone: 505-599-2286
Contact email:tjlong@eprod.com	Incident # (assigned by OCD) #) nAPP2320969364
Contact mailing address: 614 Reilly Ave, Farmington, NM 87401	

# Location of Release Source

Latitude 32.575083

Longitude -104.151796

NAD 83 in decimal degrees to 5 decimal places)

Site Name: Burton Flats 6 Inch	Site Type Natural Gas Gathering Pipeline
Date Release Discovered: 07/28/2023	Serial # (if applicable) <b>N/A</b>

Unit Letter	Section	Township	Range	County
F	14	20S	28W	Eddy

Surface Owner: State Kederal Tribal Private (Name: BLM)

# Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls): Estimated 5 BBLS	Volume Recovered (bbls): None
🛛 Natural Gas	Volume Released (Mcf): 2.64 MCF	Volume Recovered (Mcf): None
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Fire		

**Cause of Release**: On July 28, 2023, Enterprise had a release of natural gas and natural gas liquids from the Burton Flats 6 Inch pipeline. The pipeline was isolated, depressurized, locked and tagged out. No fire nor injuries occurred. An area of approximately 150 feet in diameter was affect by the released fluids. The release was a result of a pipeline strike. Remediation in the progress A third party corrective action report will be submitted with the "Final C-141."

Incident ID	NAPP2320969364

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major relea	se?
🗌 Yes 🖾 No		
If YES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone	, email, etc)?

# **Initial Response**

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

 $\boxtimes$  The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have <u>not</u> been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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.

Printed Name: _	Thomas J. Long	Title:	Senior Environmental Scientist	
Signature: email: tjlong@er	Thomas Larg	Date: _ Telephone:	<u>08-08-2023</u>	
OCD Only				
Received by:	Shelly Wells		Date: <u>8/8/2023</u>	

Received by OCD: 10/25/2023 8:49914/AM

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🔂 GasCal - [Differential / Volume]		- 🗆 ×
🔁 File		_ <i>8</i> ×
	Differential / Vo	lume
Differential for known Volume:	Static Pipeline Volume:	Pig Travel Time:
Meter Tube Size: 12	Pipe Diameter: 4	Pipe Diameter: 30
Orifice Plate Size: 3.5	Length: 3400	Length: 17
Pressure: 865	(F)eet or (M)iles: F	(F)eet or (M)iles: M
Volume (mcfd): 12300	Pressure: 120	Volume (mcfd): 200000
Temperature: 72	Temperature: 80	Upstream Pressure: 750
Gravity: 0.582	Pressure Base: 14.73	Downstream Pressure: 700
Mole % CO2: 0	Gravity: 0.644	Temperature: 60
Mole % N2: 0	Barometer: 14.73	Pressure Base: 14.73
Pressure Base: 14.73		Gravity: 0.6
Temperature Base: 60		Barometer: 14.73
Differential 1 Run: 25.5 Differential 2 Runs: 6.4	Vol. (cu. ft.): 2,639 Lbs of Gas: 130 Tons of Gas: .00	2 48 49
	Input Temperature	
Main Menu Gas Cal. Pla	te Change Weymouth	Analysis Retro/Setpoint Blowdown Cal.

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

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

CONDITIONS

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	249737
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By Condition scwells None

CONDITIONS

Action 249737

Condition Date

8/8/2023

# **Kelly Lowery**

From:	Long, Thomas <tjlong@eprod.com></tjlong@eprod.com>
Sent:	Friday, July 28, 2023 7:53 PM
То:	'Robert Hamlet; Bratcher, Michael, EMNRD; sjtaylor@blm.gov
Cc:	Stone, Brian; Kelly Lowery
Subject:	FW: Burton Flats 6 Inch - UL F Section 14 T20S R28W; 32.575083, -104.1514796

#### [\*\*EXTERNAL EMAIL\*\*]

All,

Name Correction: The pipeline name is Burton Flats 6 Inch gathering pipeline.

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



From: Long, Thomas
Sent: Friday, July 28, 2023 6:34 PM
To: 'Robert Hamlet (Robert.Hamlet@state.nm.us)' <Robert.Hamlet@state.nm.us>; 'Mike Bratcher (mike.bratcher@state.nm.us)' <mike.bratcher@state.nm.us>; 'Shelly Taylor (sjtaylor@blm.gov)' <sjtaylor@blm.gov>
Cc: Stone, Brian <bmstone@eprod.com>; 'Kelly Lowery' <klowery@ensolum.com>
Subject: North Carlsbad to South Carlsbad Pipeline- UL F Section 14 T20S R28W; 32.575083, -104.1514796

Mike/Robert/Shelly,

This email is a notification that Enterprise had a release of natural gas and natural gas liquids on the North Carlsbad to South Carlsbad Pipeline today at approximately 8:45 a.m. The release was a result of a pipeline strike during excavation activities. The one call did not identify the pipeline. No fire occurred. No one was injured. The release is located at UL F Section 14 T2OS R28W; 32.575083, -104.1514796. Released liquids sprayed the right-of-way (ROW) and outside ROW for approximately 150 feet. The pipeline has been isolated, depressurized, locked and tagged out. I will submit a NOR and subsequent C-141. I will keep you informed as to when the repairs and remediation are scheduled. If you have any questions, please call or email.

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



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

# **Kelly Lowery**

From:	Wells, Shelly, EMNRD <shelly.wells@emnrd.nm.gov></shelly.wells@emnrd.nm.gov>
Sent:	Tuesday, August 15, 2023 11:27 AM
То:	Kelly Lowery
Cc:	Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD
Subject:	RE: [EXTERNAL] Burton Flats 6 Inch (nAPP2320969364)

# [\*\*EXTERNAL EMAIL\*\*]

Hi Kelly,

The OCD has received your notification. Notification requirements are **two business days**, per rule. You may proceed on your schedule. This, and all correspondence, should be included in the closure report to ensure inclusion in the project file.

Thank you,

Shelly

From: Kelly Lowery <klowery@ensolum.com>
Sent: Tuesday, August 15, 2023 9:42 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Long, Thomas <tjlong@eprod.com>
Subject: [EXTERNAL] Burton Flats 6 Inch (nAPP2320969364)

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

Good morning,

This email is a notification and a variance request. Ensolum, LLC, on behalf of Enterprise Field Services, LLC, is requesting a variance for required 48 hour notification per 19.15.29.12D (1a) NMAC. Ensolum would like to collect soil samples for laboratory analysis Wednesday, August 16, 2023 at the Burton Flats 6 Inch (nAPP2320969364). Please acknowledge acceptance of this variance request. If you have any questions, please call or email. The samples may be used for closure, providing that they meet applicable closure limits.

Thank you



Kelly Lowery, GIT Project Geologist 214-733-3165 Ensolum, LLC in f

# **Kelly Lowery**

From:	Bratcher, Michael, EMNRD < mike.bratcher@emnrd.nm.gov>
Sent:	Thursday, August 24, 2023 3:08 PM
То:	Kelly Lowery
Cc:	Hamlet, Robert, EMNRD; Wells, Shelly, EMNRD
Subject:	RE: [EXTERNAL] Burton Flats 6 Inch (nAPP2320969364)

You don't often get email from mike.bratcher@emnrd.nm.gov. Learn why this is important

# [ \*\*EXTERNAL EMAIL\*\*]

Kelly,

Your request for a variance from 19.15.29.12D (1a) NMAC (two business days notification) is approved. Please include a copy of this and all correspondence in your report.

Thank you,

Mike Bratcher ● Incident Supervisor Environmental Bureau EMNRD - Oil Conservation Division 506 W. Texas Ave | Artesia, NM 88210 (575) 626-0857 | <u>mike.bratcher@emnrd.nm.gov</u> http://www.emnrd.nm.gov/ocd



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Thursday, August 24, 2023 10:27 AM
To: Kelly Lowery <klowery@ensolum.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD
<Robert.Hamlet@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Burton Flats 6 Inch (nAPP2320969364)

Good morning Kelly,

The OCD has received your notification. Notification requirements are **two full business days**, per rule. You may proceed on your schedule. This, and all correspondence, should be included in the closure report to ensure inclusion in the project file.

Thank you,

Shelly

Shelly Wells \* Environmental Specialist-Advanced

1

Environmental Bureau EMNRD-Oil Conservation Division 1220 S. St. Francis Drive|Santa Fe, NM 87505 (505)469-7520<u>|Shelly.Wells@emnrd.nm.gov</u> http://www.emnrd.state.nm.us/OCD/

From: Kelly Lowery <<u>klowery@ensolum.com</u>>
Sent: Thursday, August 24, 2023 10:20 AM
To: Enviro, OCD, EMNRD <<u>OCD.Enviro@emnrd.nm.gov</u>>
Cc: Long, Thomas <<u>tilong@eprod.com</u>>
Subject: [EXTERNAL] Burton Flats 6 Inch (nAPP2320969364)

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

Good morning,

This email is a notification and a variance request. Ensolum, LLC, on behalf of Enterprise Field Services, LLC, is requesting a variance for required 48 hour notification per 19.15.29.12D (1a) NMAC. Ensolum would like to collect soil samples for laboratory analysis Friday, August 25, 2023 at the Burton Flats 6 Inch (nAPP2320969364). Please acknowledge acceptance of this variance request. If you have any questions, please call or email. The samples may be used for closure, providing that they meet applicable closure limits.

Thank you



Kelly Lowery, GIT Project Geologist 214-733-3165 Ensolum, LLC in f

# **Kelly Lowery**

From:	Wells, Shelly, EMNRD <shelly.wells@emnrd.nm.gov></shelly.wells@emnrd.nm.gov>
Sent:	Thursday, September 7, 2023 8:22 AM
То:	Kelly Lowery
Cc:	Long, Thomas; Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD
Subject:	RE: [EXTERNAL] Burton Flats 6 Inch (nAPP2320969364)

You don't often get email from shelly.wells@emnrd.nm.gov. Learn why this is important

# [ \*\*EXTERNAL EMAIL\*\*]

Hi Kelly,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file. Thank you,

Shelly

Shelly Wells \* Environmental Specialist-Advanced Environmental Bureau EMNRD-Oil Conservation Division 1220 S. St. Francis Drive|Santa Fe, NM 87505 (505)469-7520<u>|Shelly.Wells@emnrd.nm.gov</u> http://www.emnrd.state.nm.us/OCD/

From: Kelly Lowery <klowery@ensolum.com>
Sent: Wednesday, September 6, 2023 3:39 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Long, Thomas <tjlong@eprod.com>
Subject: [EXTERNAL] Burton Flats 6 Inch (nAPP2320969364)

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

Good afternoon,

On behalf of Enterprise Field Services, LLC, Ensolum, LLC would like to provide notification for sampling activities that will be conducted at the Burton Flats 6 Inch (Incident ID #nAPP2320969364) on Monday, September 11<sup>th</sup>. The samples may be used for closure, providing that they meet applicable closure limits.

Thank you





		New Mexico Site	e Characterizati	on							
REFERENCE		<u>SIT</u>	E INFORMATION		COMMENTS						
C-141		Site Name:	Burton Flats 6 Inch								
C-141		Cordinates:	32.575083, -104.1517	96							
C-141		Incident Number:	nAPP2320969364								
C-141		Land Owner:	BLM								
NMOCD O&G Map		Site Elevation (ft):	3,238								
		CLOSEST SIG	NIFICANT WATER SOURCE								
		Type:	Wetland								
NMOCD O&G Map		Distance (ft):	30								
		Direction:	northwest								
		SITE R	ECEPTORS								
C-141	NO Did this relea	se impact groundwater or surfa			] [						
NMOCD O&G Map	NO < 200 ft of an	y lakebed, sinkhole, or playa lak	e?								
NMOCD O&G Map	NO <u>&lt;</u> 300 ft of a c	continuously flowing watercours	e or any other significant wat	tercourse?							
FEMA map	NO <u>&lt;</u> 300 ft of an	NO < 300 ft of an occupied permanent residence, school, hospital, institution, or church?									
Wetlands map	YES < 300 ft of a v	YES < 300 ft of a wetland?									
USGS map	NO $\leq$ 500 ft of a spring or a private water well used by < 5 houses for domestic or stock watering?										
USGS map	NO <u>&lt;</u> 1000 ft of a	NO <pre>≤ 1000 ft of any other fresh water well or spring?</pre>									
FEMA map	NO in a 100-year	NO in a 100-year floodplain?									
NMOCD O&G Map	YES overlying uns	table geology (HIGH KARST)?									
NMOCD O&G Map	HIGH karst potentia	al									
NMOCD O&G Map	YES water well wi	thin half a mile from Site drilled	and with data ≤ 20 years?								
		DTW INF	ORMATION								
	Closes	st USGS Well	Closest N	IM OSE Well							
		FALSE	C	LOSER							
	Name:	323447104085601	Name:	CP00525							
	Distance from Site (ft):	1,888	Distance from Site (ft):	1,186	USGS well drilled in						
	Direction from Site:	north	Direction from Site:	north	1984, last GW						
Cross reference USGS	Elevation:	3,248	Elevation:	3,252	measurement date is						
Map, NMOCD Map, and	Date Drilled:	1984	Date Drilled:	1973	4/27/1984.						
NMOSE Database	DTW (ft):	41	DTW (ft):	140							
	Total Depth (ft):	171	Total Depth (ft):	171	CP00525 well drilled on 10/14/1973.						
	Coordinates:	32.5798, -104.1494	Coordinates:	32.578214, -104.151325	10/14/15/3.						
	10 feet higher i	n elevation than the Site	14 feet higher in	elevation than the Site							
		ESTIMAT	ED DTW @ SITE: >100'								
		NMOCD TABLE 1	CLOSURE CRITERIA		]						
			Chlorides: 600 mg/	kg							
			ALSE								

# OSE POD Location Map (0.5-mile)



# 10/3/2023, 5:05:08 PM

GIS WATERS PODs

Pending

OSE District Boundary

Both Estates

0 Active

0

New Mexico State Trust Lands \_\_\_\_\_ SiteBoundaries

Subsurface Estate

Released to Imaging: 11/28/2023 8:15:51 AM



Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, CONANP, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau,

# OSE POD Location Map (1,000 ft)



10/3/2023, 5:03:05 PM

GIS WATERS PODs OSE District Boundary

Active

SiteBoundaries

#### 

Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, U.S. Department of Energy Office of Legacy Management,

Released to Imaging: 11/28/2023 8:15:51 AM

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

get image list	WR File Number: Primary Purpose:	CP 00421 COM COMN	<b>Subbasi</b> MERCIAL	n: CP (	Cross Reference:	-
	<b>Primary Status:</b>		ELLED			
	Total Acres:	0	Subfile:	-		Header: -
	Total Diversion: Owner:	0 NELSON T. PC	Cause/C DPE	ase: -		
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riority Su	× mmary	<u>-</u>			-	
	Priority	Status	Acres Diversio	<b>Pod Number</b> 0 <u>CP 00421 POD</u>	<u>1</u>	
	12/14/1966	5 CAN				
-	12/14/1966	) CAN				
Place of Us	12/14/1966		<b>Diversion</b> 0	CU Use Priori COM 12/14/	•	er Location Desc PLACE OF USE GIVE

10/3/23 4:08 PM

WATER RIGHT SUMMARY

.

# New Mexico Office of the State Engineer Transaction Summary

			APPRO Applic	ation to Appro	opriate		
saction N	umber: 593	3158	Transaction D	esc: CP 0042	1 1	File Date: 12/14/1	966
Primary S Secondar Person As A	y Status: F	`IN Fin *****	ncelled Permit nalized Г. POPE				
× Events							
image	<b>Date</b> 12/14/1966	<b>Туре</b> АРР	<b>Description</b> Application Rec	eived	Comment *	Processed By ******	
	03/01/1967	PUA	PBU Approval			*****	
	03/01/1967	FIN	Final Action on	application		******	
	01/08/1974	FCN	Finalize Cancel	of permit		*****	
المعنى ( <u>get</u> <u>image</u>	10/03/2016 <u>s</u>	TEC	Technical Repor	ť	*FILE JACKET	****	
	10/03/2016	QAT	Quality Assuran	ce Completed	SQ2	******	
	10/11/2016	QAT	Quality Assuran	ce Completed	IMAGE	*****	
x Water R	ight Informa	tion					
	ile Nbr	Acı			ive Purpose of Use		
CP 00 ** <b>P</b> c	421 bint of Divers	sion	0 0		COM COMME	ERCIAL	
	P 00421 POD		579855	3604443* 🧉			
	*An (*) after n	orthing valu	e indicates UTM locat	ion was derived f	rom PLSS - see Help		
**Pl	ace of Use						
( 25	Q Q Q Q 56 64 16 4		<b>s Rng Acres</b> 0		<b>Consumptive Use</b> COI	e e	S Other Loc D NO PLACE USE GIVEN
x Remarks	5						
	CASING, O	CLEAN TI ROM APF	HE WELL OUT TO PROX. 470 FEET T	O 500 FEET, P	THE TOP OF THE 7 ERFORATE THE 7 AND COMPLETE 2		
			OTE: METER CON R STATE ENGINE		VAS ADDED TO T O GROUNDWATEI		

5B A totalizing meter shall be installed before the first branch of the discharge line from the well and the installation shall be acceptable to the State Engineer; the Engineer shall be advised of the make, model, serial number, date of installation, and initial reading of the meter prior to appropriation of water; pumping records shall be submitted to the District Supervisor on or before the 10th of Jan., April, July, and Oct. of each year for the 3 preceding calendar months.

Action of the State Engineer

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.

10/3/23 4:16 PM

TRANSACTION SUMMARY



# New Mexico Office of the State Engineer **Point of Diversion Summary**

			(quarte	rs are	1=NV	W 2=N	E 3=SW	74=SE)			
			(quar	ters are	e sma	llest to	largest)		(NAD83 U	TM in meters)	
Well Tag	POD	Number	Q64	Q16	Q4	Sec	Tws	Rng	Χ	Y	
	CP 0	0525	3	2	1	14	20S	28E	579656	3604847* 🌍	
x Driller Lic	ense:	46	Driller	Com	pan	y:	AB	BOTT I	BROTHERS	COMPANY	
Driller Na	me:										
Drill Start	Date:	10/14/1973	Drill F	inish	Dat	e:	1	0/24/192	73 <b>P</b> I	ug Date:	
Log File D	ate:	11/05/1973	PCW I	Rev D	ate:	:			So	urce:	Shallow
Ритр Тур	e:		Pipe D	ischa	rge	Size:			Es	timated Yield:	40 GPM
Casing Siz	æ:	7.00	Depth	Well:			1	71 feet	De	epth Water:	140 feet
X	Wate	r Bearing Stratif	ications:		То	p I	Bottom	Desci	ription		
					14	0	171	Sands	stone/Grave	l/Conglomerate	
Х		Casing Per	forations:		То	p ł	Bottom	l			
					14	0	171				

#### \*UTM location was derived from PLSS - see Help

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

10/3/23 4:24 PM

POINT OF DIVERSION SUMMARY



# New Mexico Office of the State Engineer Transaction Summary

		72121	All Applications Under Stat	ute 72-12-1	
action Nu	<b>mber:</b> 4738	64	Transaction Desc: CP 0052	25 Fil	e Date: 10/03/197
Primary S Secondary Person Ass Aj	Status: LO signed: ***	G Wel ****	nit l Log Received WICE OIL COMPANY		
x Events					
images	<b>Date</b> 10/03/1973	<b>Туре</b> АРР	<b>Description</b> Application Received	Comment *	Processed By *****
	10/05/1973	FIN	Final Action on application		*****
	10/05/1973	WAP	General Approval Letter		*****
images	11/05/1973	LOG	Well Log Received	*	*****
	11/05/1973	CN5	Meter Installation Request		*****
	03/09/2011	QAT	Quality Assurance Completed	IMAGES	*****
	06/09/2011	ARV	Rec & Arch - file location	CP 00525 Box: 502	*****
x Change T	ò:				
WR Fil		Acre	-	tive Purpose of Use	
CP 005			3		
^^P0	int of Diversio 00525	n	579656 3604847*		
CP			579050 5001017	rom PLSS - see Help	

DRILLING CITIES SERVICE OIL CO.'S GOVERNMENT "T" NO. 1 LOCATED 810' FNL, 1980' FWL, SEC. 14-20S-28E, EDDY CO., NEW MEXICO (APPLICATION TO DRILL APPROVED BY USGS 9/18/1973). WATER WELL CONTINUED: TO BE DRILLED AT SOUTHWEST CORNER OF DRILLING PAD.

#### Conditions

- 1A Depth of the well shall not exceed the thickness of the valley fill.
- 4 Use shall be limited to household, non-commercial trees, lawn and garden not to exceed one acre and/or stock use.
- 5A A totalizing meter shall be installed before the first branch of the discharge line from the well and the installation shall be acceptable to the State Engineer; the Engineer shall be advised of the make, model, serial number, date of installation,

#### Received by OCD: 10/25/2023 8:49:14 AM

and initial reading of the meter prior to appropriation of water; pumping records shall be submitted to the District Supervisor for each calendar month on or before the 10th day of the following month.

6 The well shall be plugged upon completion of the permitted use, and a plugging report shall be filed with the State Engineer within 10 days.

#### Action of the State Engineer

#### \*\* See Image For Any Additional Conditions of Approval \*\*

Approval Code:A - ApprovedAction Date:10/05/1973Log Due Date:10/31/1974State Engineer:John R. D Antonio,

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.

10/3/23 4:18 PM

TRANSACTION SUMMARY


### U.S. Fish and Wildlife Service National Wetlands Inventory

## Wetlands



### August 15, 2023

#### Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- - **Freshwater Pond**

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Lake Other Riverine Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

# Received by OCD: 10/25/2023 8:49:14 AM National Flood Hazard Layer FIRMette



#### Legend

regulatory purposes.

Page 38 of 116



Releasea to Imaging: 11/28/2023 8.915:51 AM 1,500

2,000

Basemap Imagery Source: USGS National Map 2023

# **OCD Well Locations**





BLM, OCD, New Mexico Tech, USGS, Esri, HERE, Garmin, iPC, Maxar

New Mexico Oil Conservation Division
Released to Imaging: 11/228/2023-28:15:51/2/AM/mnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division

### Active Mines in New Mexico



PLSS Second Division

PLSS First Division

U.S. BLM, Esri, NASA, NGA, USGS, FEMA, Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau,

EMNRD MMD GIS Coordinator



# APPENDIX C

Photographic Documentation



View of the initial release point (August 1, 2023), facing south.



View of the initial release overspray area (August 1, 2023), facing southeast.



View of the final excavation area (September 11, 2023), facing north.



View of the final excavation area (September 11, 2023), facing northwest.



View of the final excavation area (September 11, 2023), facing south.



View of the final excavation area (September 11, 2023), facing southeast.



## APPENDIX D

Table

SOL SAMPLE ANALYTICAL RESULTS Buttom Flats 6 Incl. Disgratus Flats							TABLE 1									
Burton Flats Burton. Flats Burton. Elso publicits Burton. Elso publicits Burton. Elso publicits Burton. Elso publicits. Colspan="4">Service Service Surfor. Colspan="4">Service Service Service Surfor. Colspan="4">Service Service Service Service Surfor. Colspan="4">Service Service					2	SOIL SAMPLI	Ε ΔΝΔΙ ΥΤΙΟ	AL RESULT	rs							
Sample Degrine in the construction between the construction of the cons																
Description         Date         Durth (not bg)         Bindcaring (mg/kg)         Tolurg (mg/kg)         Tolurg (mg/kg)<																
Sample Daily size         Date         Depth (rest Qs)         Binzonic mighg)         Total mighg)         Total mighg)         Total mighg)         Total mighg)         Total mighg)         The locol mighg)         PH MRO (mghg)         CollaTPH (mghg)         C																
Sample Dasignation         Date         Depth (rest bgs)         Benzene (mpkg)         Totalen (mpkg)         Totalen (m																
Sample Designation         Depth (mayba)         Genome (mayba)         Tableman (mayba)         Matheman (mayba)         THR GRO (mayba)         TPH GRO	-	-		1		Ensolum	· ·	-	1							
Designation         Low         (may kg)         (mag kg)         <	Sample		Depth	Benzene	Toluene	Ethylbenzene			TPH GRO	TPH DRO	TPH MRO		Chloride			
New Nexico Di Conservation Division Closure (+ 50 feet)         10         NE         NE         50         NE         NE         NE         100         600           Stort for (5 0 feet)	Designation	Date	(feet bgs)	(mg/kg)	(mg/kg)	-	-		(mg/kg)	(mg/kg)	(mg/kg)	· · · ·	(mg/kg)			
Criterio for: Soils Impacted by a Release         10         NE         NE         50         NE         NE         NE         100         600           Configuration Over pary Extent Surface Sample Analytical Results           SS01         0.001/023         0.5         4.0.020         4.0.030         4.0.030         4.0.030         4.0.071         4.0.071         4.3.0         4.4.8         4.4.8         4.6.0           SS04         0.0601/023         0.05         4.0.071         4.0.071         4.0.071         4.7.7         4.4.4         4.47         4.47         4.47         4.47         4.00         4.0.00         1.4.0.001         4.0.001	New Maria a						(mg/kg)	(mg/kg)				(mg/kg)				
ites         item         item         item         item         item         item           5801         06017023         0.5         40.039         40.039         40.039         40.072         40.072         43.0         12         44.9         44.9         46.1           5802         06017023         0.5         40.020         40.037         40.037         40.072         40.072         43.0         44.7         44.0         44.8         44				40	NE				NE			400				
Confirmation Oversizy Extent Surface Semple Analytical Results           SS01         0.001/2023         0.5         <0.018         <0.038         <0.078         <0.38         <0.978         <0.38         <0.978         <0.38         <0.978         <0.38         <0.978         <0.38         <0.978         <0.38         <0.978         <0.38         <0.978         <0.43         <0.44         <0.44         <0.44         <0.477         <0.477         <0.477         <0.477         <0.477         <0.477         <0.477         <0.477         <0.477         <0.401         <0.0078         <0.371         <0.371         <0.371         <0.371         <0.073         <0.371         <0.073         <0.401         <0.00701         <0.351         <0.071         <0.033         <0.07011         <0.073         <0.371         <0.0371         <0.0371         <0.0371         <0.0371         <0.0371         <0.0371         <0.0371         <0.0371         <0.0371         <0.0371         <0.0371         <0.0371         <0.0371         <0.0371         <0.0371         <0.0371         <0.0371         <0.0371         <0.0371         <0.0371         <0.0371         <0.0371         <0.0371         <0.0371         <0.0371         <0.0371         <0.0371         <0.0371         <0.0371	Criteria IO	•	iy a Release	10	NE	NE	NE	50		INE	INE	100	600			
SS01         0.001/2023         0.5         <0.018         <0.039         <0.072         <0.6         12         <40         <40         <40           SS02         0.001/2023         0.5         <0.020		(200 1001)			Confirm	ation Overspray	Extent Surface	Sample Analytics	al Rosults							
SS02       0.8017023       0.5       -0.024       -0.047       -0.047       -0.066       -0.076       -4.076       -4.30       -4.6       -4.47       -4.47       -4.67       -6.00         SS03       0.80170233       0.5       -0.024       -0.047       -0.067       -0.073       -0.37       -9.4       -4.47       -4.47       -4.60         SS4.06       0.80170233       0.5       -0.024       -0.040       -0.077       -0.073       -0.073       -0.37       -9.4       -4.47       -4.47       -4.60         SS4.07       0.80160231       0.5.8       -0.0201       -0.0401       -0.0401       -0.0701       -4.55       4700       -4.20       S8.9       .6000       -4.80       .6000       -4.80       .6000       -4.80       .6000       .6000       -4.80       .6000       .6000       .4000       .6000       .4000       .6000       .4000       .6000	SS01	08/01/2023	0.5	<0.018		-			1	12	<49	<49	<61			
SS03         08017023         0.5         0.024         d. 0047         d. 0047         d. 0073         d. 0074         d. 0074 <thd. 0074<="" th=""> <thd. 0074<="" th=""> <thd. 0074<<="" td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td></thd.></thd.></thd.>												-				
SS04       0.981(2)/23       0.6       <0.018       <0.027       <0.073       <0.073       <0.73       <0.74       <0.41       <0.47       <0.47       <0.60         SS05       0.98162023       0.05       <0.017																
SS-66         08/16/2023         0.5         00/20         -0.040         -0.070 </td <td></td>																
B8.80         B8.80 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>																
SS-07         0.01/01/2023																
Composite Excavation Roor Sould Sample Analytical Results           F5-1         08/16/2023         11.5         NS         33.0         32.0         21.0         33.0         33.0         32.0         21.0         33.0         33.0         33.0         32.0         21.0         33.0         33.0         32.0 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>																
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$				<u></u>		<u></u>		<u> </u>		1	1		<u></u>			
08/25/023         11.5         NS  <         <         <         <         <         <         <         <         <         <         <         <         <         <         <         <         <         <		08/16/2023	10	< 0.019						320	210	530	1,200			
IFS-2         08/25/023         11.5         NS         44.0	FS-1	08/25/2023	11.5		·····	NS	L'.'.'.'.'.'.'.'.'.'.'.'.'.'.'.'.'.'.'.		<3.3	<9.6	<48	<48	290			
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	50.0	08/16/2023	10	<0.022	<0.044	<0.044	<0.088	<0.088	<4.4	590	400	990	280			
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	FS-2	08/25/2023	11.5		• • • • • • • • • • •	NS	• • • • • • • • • • • •		<4.0	<8.8	<44	<44	NS			
FS-4         09/11/2023         11.5         NS         <3.7         <0.2         <4.6         <4.6         NS           FS-5         08/25/2023         11.5         <0.019	FS-3	08/16/2023	10	<0.020	< 0.039	< 0.039	<0.078	<0.078	<3.9	57	<49	57	250			
Obj         NS   <	50.4	08/25/2023	11.5	<0.021	<0.042	<0.042	<0.084	<0.084	<4.2	58	48	106	250			
Composite Excavation Sidewall Soil Sample Analytical Results           SW-1         08/16/2023         0 - 10         <0.020         <0.040         <0.080         <0.080         <4.0         <9.8         <4.9         <4.9         <60           SW-2         08/16/2023         0 - 10         <0.023	<0.091	<0.045	<0.018	FS-4	09/11/2023	11.5		N	IS			<3.7	<9.2	<46	<46	NS
SW-1         08/16/2023         0 -10         <0.020         <0.040         <0.040         <0.080         <0.080         <4.0         <9.8         <4.9         <4.9         <60           SW-2         08/16/2023         0 -10         <0.023         <0.045         <0.045         <0.080         <0.080         <0.080         <0.080         <4.0         <0.80         <1000           SW-3         08/16/2023         0 -10         <0.018         <0.037         <0.037         <0.073         <0.073         <0.073         <0.073         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.074         <0.07	FS-5	08/25/2023	11.5	<0.019	<0.038	<0.038	<0.076	<0.076	<3.8	<8.7	<44	<44	65			
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$					Com	posite Excavation	Sidewall Soil Sa	ample Analytical	Results							
SW-2         08/25/2023         0 - 10         NS         <4.5         <9.5         <48         <48         <60           SW-3         08/16/2023         0 - 10         <0.018	SW-1								-		-					
Image: 108/25/2023         0 - 10         NS	SW-2			<0.023	<0.045		<0.091	<0.091								
SW-4         08/16/2023         0 - 10         <0.018         <0.037         <0.074         <0.074         <0.37         <0.37         <0.074         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.37         <0.072         <0.007         <0.007         <0.007         <0.007         <0.007         <0.007         <0.007         <0.007         <0.007         <0.007         <0.007         <0.007         <0.007         <0.007         <0.007         <0.007         <0.007         <0.007         <0.007         <0.007         <0.007         <0.007         <0.007         <0.007         <0.008         <0.008         <0.008         <0.008         <0.008         <0.008         <0.008         <0.008         <0.008         <0.008																
SW-4         08/25/2023         0 - 10         NS         <3.7         <9.5         <4.8         <4.8         NS           SW-5         08/16/2023         0 - 10         <0.025	SW-3												1 1 1 1 1 <b>1 6</b> 1 1 1 1 1 1			
SW-5         08/16/2023         0 - 10         <0.025         <0.049         <0.099         <0.099         <4.9         670         490         1,160         960           SW-6         08/25/2023         0 - 10         <0.018	SW-4			<0.018	<0.037		<0.074	<0.074								
SW-6         08/25/2023         0 - 10         <0.018         <0.036         <0.036         <0.072         <3.6         <9.7         <4.8         <4.8         210           SW-7         08/25/2023         0 - 10         <0.022					<b></b>		·····									
SW-7         08/25/2023         0 - 10         <0.022         <0.044         <0.089         <4/4         83         57         140         320           SW-7         09/11/2023         0 - 10         NS         <3.6																
SW-1         09/11/2023         0 - 10          NS           SW-8         08/25/2023         0 - 10         <0.021	SW-6									-		-				
SW-8         08/25/2023         0 - 10         < 0.021         < 0.041         < 0.082         < 0.082         < 4.1         < 9.4         < 47         < 47         140           SW-9         08/25/2023         0 - 10         <0.020	SW-7			<0.022	<0.044		<0.089	<0.089								
SW-9         08/25/2023         0 - 10         <0.020         <0.040         <0.040         <0.081         <0.081         <4.0         72         54         126         180           09/11/2023         0 - 10         NS         <3.9																
SW-9         09/11/2023         0 - 10         Image: NS         <3.9         <9.3         <46         <46         NS           Confirmation Delineation Soil Sample Analytical Results           North         08/16/2023         0.5         <0.021	SW-8															
Confirmation Delineation Soil Sample Analytical Results           North         08/16/2023         0.5         <0.021         <0.041         <0.082         <0.082         <4.1         <9.9         <4.9         <4.9         <60           North-2         09/11/2023         0.5          NS         <4.5	SW-9			<0.020	<0.040		<0.081	<0.081								
North         08/16/2023         0.5         <0.021         <0.041         <0.082         <0.082         <4.1         <9.9         <4.9         <4.9         <60           North-2         09/11/2023         0.5         NS         <4.5		09/11/2023	0 - 10							<9.3	<46	<46	NS			
North-2         09/11/2023         0.5         NS         <4.5         <9.3         <47         <47         NS           East         08/16/2023         0.5         <0.022	N o vth	09/16/2022	0.5	<0.021						<0.0	<10	<10	<60			
East         08/16/2023         0.5         <0.022         <0.044         <0.087         <0.087         <4.4         <9.3         <47         <47         <60           South         08/16/2023         0.5         <0.027				<0.021	<0.041		<0.082	<0.062		<b></b>						
South         08/16/2023         0.5         <0.027         <0.053         <0.053         <0.011         <56.3         830         880         1,710         550           08/25/2023         0 - 0.5         NS         NS         <3.7				<0.022	<0.044		<0.007	<0.007	-							
South         08/25/2023         0 - 0.5         Image: NS         <3.7         <9.6         <48         <48         NS           West         08/16/2023         0.5         <0.023	East															
West         08/16/2023         0.5         <0.023         <0.045         <0.090         <0.090         <4.5         <9.7         <48         <48         <59           Composite Stockpile Soil Sample Analytical Results           STP-1         08/16/2023         NA         <0.018         <0.036         <0.037         <0.072         <0.072         <3.6         15         <49         <49         63           STP-2         08/16/2023         NA         <0.019         <0.037         <0.037         <0.075         <3.7         22         <49         <49         140	South			<u>&gt;</u> ₩.041	~0.000		1									
Composite Stockpile Soil Sample Analytical Results           STP-1         08/16/2023         NA         <0.018         <0.036         <0.072         <0.072         <3.6         15         <49         <49         63           STP-2         08/16/2023         NA         <0.019	West			<0.023	<0.045		<0.000	<0.000								
STP-1         08/16/2023         NA         <0.018         <0.036         <0.072         <0.072         <3.6         15         <49         <49         63           STP-2         08/16/2023         NA         <0.019	west	00/10/2023	0.0	~0.023					-	<i>∽∂.1</i>	~40	~40	~09			
STP-2 08/16/2023 NA <0.019 <0.037 <0.037 <0.075 <0.075 <3.7 22 <49 <49 140	STP-1	08/16/2023	ΝΔ	<0.018				•		15	10</td <td><!--10</td--><td>63</td></td>	10</td <td>63</td>	63			
										-	-					

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Concentrations in **bold** and yellow exceed the New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (< 50 feet) Additional Excavation and/or Re-Sample bgs - below ground surface

bgs - below ground surface mg/kg - milligrams per kilogram NA - Not Applicable NE - Not Established NS - Not Sampled BTEX - Benzene, Toluene, Ethylbenzene, and Xylenes GRO - Gasoline Range Organics

DRO - Diesel Range Organics MRO - Motor Oil/Lube Oil Range Organics TPH - Total Petroleum Hydrocarbon Received by OCD: 10/25/2023 8:49:14 AM



APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

August 07, 2023

Kelly Lowery Ensolum LLC 601 Marrenfield #400 Midland, TX 79701 TEL: (214) 733-3165 FAX:

RE: Burton Flats

OrderNo.: 2308194

Dear Kelly Lowery:

Hall Environmental Analysis Laboratory received 4 sample(s) on 8/3/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2308194

Date Reported: 8/7/2023

CLIENT	: Ensolum LLC	Client Sample ID: SS01
<b>Project:</b>	Burton Flats	Collection Date: 8/1/2023 9:25:00 AM
Lab ID:	2308194-001	Matrix: MEOH (SOIL) Received Date: 8/3/2023 7:20:00 AM

Analyses	Result	RL Qu	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE C	RGANICS				Analyst: SB
Diesel Range Organics (DRO)	12	9.9	mg/Kg	1	8/3/2023 1:29:03 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/3/2023 1:29:03 PM
Surr: DNOP	71.6	69-147	%Rec	1	8/3/2023 1:29:03 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.6	mg/Kg	1	8/4/2023 4:00:00 AM
Surr: BFB	97.6	15-244	%Rec	1	8/4/2023 4:00:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.018	mg/Kg	1	8/4/2023 4:00:00 AM
Toluene	ND	0.036	mg/Kg	1	8/4/2023 4:00:00 AM
Ethylbenzene	ND	0.036	mg/Kg	1	8/4/2023 4:00:00 AM
Xylenes, Total	ND	0.072	mg/Kg	1	8/4/2023 4:00:00 AM
Surr: 4-Bromofluorobenzene	90.8	39.1-146	%Rec	1	8/4/2023 4:00:00 AM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	61	mg/Kg	20	8/3/2023 4:50:44 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

\* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated. S

Analyte detected in the associated Method Blank в

Е Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 1 of 8

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2308194

Date Reported: 8/7/2023

CLIENT	Ensolum LLC	Client Sample ID: SS02
<b>Project:</b>	Burton Flats	Collection Date: 8/1/2023 9:35:00 AM
Lab ID:	2308194-002	Matrix: MEOH (SOIL) Received Date: 8/3/2023 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	8/3/2023 1:53:28 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	8/3/2023 1:53:28 PM
Surr: DNOP	86.1	69-147	%Rec	1	8/3/2023 1:53:28 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.9	mg/Kg	1	8/4/2023 4:22:00 AM
Surr: BFB	94.6	15-244	%Rec	1	8/4/2023 4:22:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.020	mg/Kg	1	8/4/2023 4:22:00 AM
Toluene	ND	0.039	mg/Kg	1	8/4/2023 4:22:00 AM
Ethylbenzene	ND	0.039	mg/Kg	1	8/4/2023 4:22:00 AM
Xylenes, Total	ND	0.078	mg/Kg	1	8/4/2023 4:22:00 AM
Surr: 4-Bromofluorobenzene	89.7	39.1-146	%Rec	1	8/4/2023 4:22:00 AM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	60	mg/Kg	20	8/3/2023 5:03:09 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

\* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated. S

Analyte detected in the associated Method Blank в

Е Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 2 of 8

### Hall Environmental Analysis Laboratory, Inc.

Lab Order **2308194** Date Reported: **8/7/2023** 

<b>CLIENT:</b> Ensolum LLC	Client Sample ID: SS03
<b>Project:</b> Burton Flats	Collection Date: 8/1/2023 9:40:00 AM
Lab ID: 2308194-003	Matrix: MEOH (SOIL) Received Date: 8/3/2023 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	8/3/2023 2:17:51 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	8/3/2023 2:17:51 PM
Surr: DNOP	86.6	69-147	%Rec	1	8/3/2023 2:17:51 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	8/4/2023 4:43:00 AM
Surr: BFB	95.6	15-244	%Rec	1	8/4/2023 4:43:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: <b>KMN</b>
Benzene	ND	0.024	mg/Kg	1	8/4/2023 4:43:00 AM
Toluene	ND	0.047	mg/Kg	1	8/4/2023 4:43:00 AM
Ethylbenzene	ND	0.047	mg/Kg	1	8/4/2023 4:43:00 AM
Xylenes, Total	ND	0.095	mg/Kg	1	8/4/2023 4:43:00 AM
Surr: 4-Bromofluorobenzene	90.8	39.1-146	%Rec	1	8/4/2023 4:43:00 AM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	60	mg/Kg	20	8/3/2023 5:15:34 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix

- D Sample Diluted Due to MatrixH Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 8

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2308194

Date Reported: 8/7/2023

CLIENT	Ensolum LLC	Client Sample ID: SS04
<b>Project:</b>	Burton Flats	Collection Date: 8/1/2023 9:45:00 AM
Lab ID:	2308194-004	Matrix: MEOH (SOIL) Received Date: 8/3/2023 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	8/3/2023 2:42:33 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	8/3/2023 2:42:33 PM
Surr: DNOP	80.0	69-147	%Rec	1	8/3/2023 2:42:33 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.7	mg/Kg	1	8/4/2023 5:05:00 AM
Surr: BFB	96.3	15-244	%Rec	1	8/4/2023 5:05:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.018	mg/Kg	1	8/4/2023 5:05:00 AM
Toluene	ND	0.037	mg/Kg	1	8/4/2023 5:05:00 AM
Ethylbenzene	ND	0.037	mg/Kg	1	8/4/2023 5:05:00 AM
Xylenes, Total	ND	0.073	mg/Kg	1	8/4/2023 5:05:00 AM
Surr: 4-Bromofluorobenzene	93.6	39.1-146	%Rec	1	8/4/2023 5:05:00 AM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	60	mg/Kg	20	8/3/2023 5:27:59 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

\* Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix

- D Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 4 of 8

Client:	Ensolu	m LLC									
Project:	Burton	Flats									
Sample ID:	LCS-76659	SampT	ype: LC	s	Tes	tCode: EF	A Method	300.0: Anions	6		
Client ID:	LCSS	Batch	ID: 766	59	F	RunNo: <b>98</b>	3737				
Prep Date:	8/3/2023	Analysis D	ate: 8/3	3/2023	S	SeqNo: 35	596542	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	93.7	90	110			

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- PQL Practical Quanitative Limit
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- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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WO#:

Client: Ensolum	n LLC									
Project: Burton l	Flats									
Sample ID: MB-76650	SampT	уре: МВ	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batch	ID: 766	650	F	RunNo: <b>98</b>	3707				
Prep Date: 8/3/2023	Analysis D	ate: <b>8/</b> 3	3/2023	S	SeqNo: 35	595364	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		89.3	69	147			
Sample ID: LCS-76650	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch	ID: 766	50	F	RunNo: <b>98</b>	3707				
Prep Date: 8/3/2023	Analysis D	ate: <b>8/</b> 3	3/2023	S	SeqNo: 3	595365	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.7	61.9	130			
Surr: DNOP	4.5		5.000		89.1	69	147			

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- P Sample pH Not In Range
- RL Reporting Limit

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2308194

07-Aug-23

WO#:

### QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Page	55	of	116
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WO#:	2308194
	07 140 23

07-Aug-23

Client: Project:	Ensolum Burton F										
Sample ID: 10			Гуре: LC	S	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range		
	.CSS	Batcl	h ID: R9	8690		RunNo: <b>98</b>			J		
Prep Date:		Analysis D	-			SeqNo: 3		Units: mg/K	a		
						•		Ū	•		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range C	Organics (GRO)	22	5.0	25.00	0	87.4	70	130			
Surr: BFB		2200		1000		215	15	244			
Sample ID: m	le ID: mb SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range										
Client ID: P	BS	Batch	h ID: <b>R9</b>	8690	F	RunNo: <b>98</b>	3690				
Prep Date:		Analysis D	Date: <b>8/</b> 3	3/2023	S	SeqNo: 3	594929	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range C	Organics (GRO)	ND	5.0								
Surr: BFB		1000		1000		105	15	244			
		1000		1000		105	15	244			
Sample ID: 2.	.5ug gro Ics		Гуре: LC		Tes			244 8015D: Gasol	line Range		
		SampT	Гуре: <b>LC</b> h ID: <b>R9</b>	s			PA Method		line Range		
Sample ID: 2.		SampT	h ID: <b>R9</b>	S 8690	F	tCode: EF	PA Method 3690		U		
Sample ID: 2. Client ID: Lo		Samp1 Batcl	h ID: <b>R9</b>	S 8690 3/2023	F	tCode: EF	PA Method 3690	8015D: Gasol	U	RPDLimit	Qual
Sample ID: 2. Client ID: Lu Prep Date:	css	Samp1 Batcl Analysis E	h ID: <b>R9</b> Date: <b>8/</b>	S 8690 3/2023	F	tCode: EF RunNo: 98 SeqNo: 38	PA Method 3690 596291	8015D: Gasol Units: mg/K	g		Qual
Sample ID: 2. Client ID: Le Prep Date: Analyte	css	SampT Batcl Analysis E Result	h ID: <b>R9</b> Date: <b>8/:</b> PQL	S 8690 3/2023 SPK value	F S SPK Ref Val	tCode: EF RunNo: 98 SeqNo: 38 %REC	PA Method 3690 596291 LowLimit	8015D: Gasol Units: mg/K HighLimit	g		Qual
Sample ID: 2. Client ID: Lu Prep Date: Analyte Gasoline Range C	Drganics (GRO)	SampT Batch Analysis E Result 21 2100	h ID: <b>R9</b> Date: <b>8/:</b> PQL	S 8690 3/2023 SPK value 25.00 1000	F SPK Ref Val 0	tCode: EF RunNo: 98 SeqNo: 38 %REC 83.6 207	PA Method 3690 596291 LowLimit 70 15	8015D: Gasol Units: mg/K HighLimit 130	g %RPD	RPDLimit	Qual
Sample ID: 2. Client ID: Lu Prep Date: Analyte Gasoline Range C Surr: BFB Sample ID: m	Drganics (GRO)	Samp1 Batch Analysis D Result 21 2100 Samp1	h ID: <b>R9</b> Date: <b>8/</b> PQL 5.0	S 8690 3/2023 SPK value 25.00 1000 SLK	F SPK Ref Val 0 Tes	tCode: EF RunNo: 98 SeqNo: 38 %REC 83.6 207	PA Method 3690 596291 LowLimit 70 15 PA Method	8015D: Gasol Units: mg/K HighLimit 130 244	g %RPD	RPDLimit	Qual
Sample ID: 2. Client ID: Lu Prep Date: Analyte Gasoline Range C Surr: BFB Sample ID: m	CSS Organics (GRO)	Samp1 Batch Analysis D Result 21 2100 Samp1	h ID: <b>R9</b> Date: <b>8/</b> <u>PQL</u> 5.0 Fype: <b>ME</b> h ID: <b>R9</b>	S 8690 3/2023 SPK value 25.00 1000 BLK 8690	F SPK Ref Val 0 Tes F	tCode: EF RunNo: 98 SeqNo: 38 %REC 83.6 207 tCode: EF	PA Method 3690 596291 LowLimit 70 15 PA Method 3690	8015D: Gasol Units: mg/K HighLimit 130 244	g %RPD	RPDLimit	Qual
Sample ID: 2. Client ID: Lo Prep Date: Analyte Gasoline Range C Surr: BFB Sample ID: m Client ID: P	CSS Organics (GRO)	SampT Batch Analysis D Result 21 2100 SampT Batch	h ID: <b>R9</b> Date: <b>8/</b> <u>PQL</u> 5.0 Fype: <b>ME</b> h ID: <b>R9</b>	S 8690 3/2023 SPK value 25.00 1000 BLK 8690 3/2023	F SPK Ref Val 0 Tes F	tCode: EF RunNo: 98 SeqNo: 38 %REC 83.6 207 tCode: EF RunNo: 98	PA Method 3690 596291 LowLimit 70 15 PA Method 3690	8015D: Gasol Units: mg/K HighLimit 130 244 8015D: Gasol	g %RPD	RPDLimit	Qual
Sample ID: 2. Client ID: Lu Prep Date: Analyte Gasoline Range C Surr: BFB Sample ID: m Client ID: P Prep Date:	Drganics (GRO)	SampT Batch Analysis D Result 21 2100 SampT Batch Analysis D	h ID: <b>R9</b> Date: <b>8/</b> PQL 5.0 Type: <b>ME</b> h ID: <b>R9</b> Date: <b>8/</b>	S 8690 3/2023 SPK value 25.00 1000 BLK 8690 3/2023	F SPK Ref Val 0 Tes F	tCode: EF RunNo: 98 SeqNo: 38 %REC 83.6 207 tCode: EF RunNo: 98 SeqNo: 38	PA Method 3690 596291 LowLimit 70 15 PA Method 3690 596292	8015D: Gasol Units: mg/K HighLimit 130 244 8015D: Gasol Units: mg/K	g %RPD line Range	RPDLimit	

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- Analyte detected in the associated Method Blank В
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- J Analyte detected below quantitation limits
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- Reporting Limit RL

Ensolum LLC

**Burton Flats** 

**Client:** 

**Project:** 

### QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Sample ID: 100ng btex lcs	Samp	Гуре: <b>LC</b> :	s	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batc	h ID: <b>R9</b>	8690	F	RunNo: 9	3690				
Prep Date:	Analysis [	Date: <b>8/</b> 3	3/2023	\$	SeqNo: 3	594931	Units: mg/k	٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	94.8	70	130			
Toluene	0.96	0.050	1.000	0	96.2	70	130			
Ethylbenzene	0.97	0.050	1.000	0	96.7	70	130			
Xylenes, Total	2.9	0.10	3.000	0	96.5	70	130			
Surr: 4-Bromofluorobenzene	0.97		1.000		96.7	39.1	146			
Sample ID: <b>mb</b>	Samp	Гуре: <b>МВ</b>	BLK	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID: PBS	Batc	h ID: <b>R9</b>	8690	F	RunNo: <b>9</b>	8690				
Prep Date:	Analysis [	Date: <b>8/</b> 3	3/2023	\$	SeqNo: 3	594932	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		95.2	39.1	146			
				TestCode: EPA Method 8021B: Volatiles						
Sample ID: 100ng btex lcs	Samp	Гуре: LC	s	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Sample ID: 100ng btex Ics Client ID: LCSS	•	Type: LC h ID: R9			stCode: <b>Ef</b> RunNo: <b>9</b> 8		8021B: Volat	iles		
	•	h ID: R9	8690	F		8690	8021B: Volat Units: mg/K			
Client ID: LCSS	Batc	h ID: R9	8690	F	RunNo: <b>9</b> 8	8690			RPDLimit	Qual
Client ID: LCSS Prep Date:	Batc Analysis [	h ID: <b>R9</b> Date: <b>8/</b> 3	8690 3/2023	F	RunNo: <b>9</b> SeqNo: <b>3</b>	3690 596324	Units: <b>mg/k</b>	ζg	RPDLimit	Qual
Client ID: LCSS Prep Date: Analyte	Batc Analysis I Result	h ID: <b>R9</b> Date: <b>8/</b> PQL	8690 3/2023 SPK value	F SPK Ref Val	RunNo: 98 SeqNo: 38 %REC	3690 596324 LowLimit	Units: <b>mg/k</b> HighLimit	ζg	RPDLimit	Qual
Client ID: LCSS Prep Date: Analyte Benzene	Batc Analysis [ Result 0.94	h ID: <b>R9</b> Date: <b>8/</b> PQL 0.025	8690 3/2023 SPK value 1.000	F SPK Ref Val 0	RunNo: <b>98</b> SeqNo: <b>3</b> %REC 94.3	<b>3690</b> <b>596324</b> LowLimit 70	Units: <b>mg/k</b> HighLimit 130	ζg	RPDLimit	Qual
Client ID: LCSS Prep Date: Analyte Benzene Toluene	Batc Analysis I Result 0.94 0.96	h ID: <b>R9</b> Date: <b>8/</b> PQL 0.025 0.050	8690 3/2023 SPK value 1.000 1.000	F SPK Ref Val 0 0	RunNo: 98 SeqNo: 38 <u>%REC</u> 94.3 96.3	<b>3690</b> <b>596324</b> LowLimit 70 70	Units: <b>mg/k</b> HighLimit 130 130	ζg	RPDLimit	Qual
Client ID: LCSS Prep Date: Analyte Benzene Toluene Ethylbenzene	Analysis I Result 0.94 0.96 0.97	h ID: <b>R9</b> Date: <b>8/</b> <u>PQL</u> 0.025 0.050 0.050	8690 3/2023 SPK value 1.000 1.000 1.000	F SPK Ref Val 0 0 0	RunNo: 94 SeqNo: 38 <u>%REC</u> 94.3 96.3 97.2	<b>3690</b> 596324 LowLimit 70 70 70	Units: <b>mg/k</b> HighLimit 130 130 130	ζg	RPDLimit	Qual
Client ID: LCSS Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total	Batc Analysis I Result 0.94 0.96 0.97 2.9 0.95	h ID: <b>R9</b> Date: <b>8/</b> <u>PQL</u> 0.025 0.050 0.050	8690 3/2023 SPK value 1.000 1.000 3.000 1.000	F SPK Ref Val 0 0 0 0	RunNo: 98 SeqNo: 38 %REC 94.3 96.3 97.2 97.2 95.4	3690 596324 LowLimit 70 70 70 70 39.1	Units: <b>mg/k</b> HighLimit 130 130 130 130	<b>%</b> RPD	RPDLimit	Qual
Client ID: LCSS Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	Batc Analysis I Result 0.94 0.96 0.97 2.9 0.95 Samp <sup>-</sup>	h ID: <b>R9</b> Date: <b>8/</b> <u>PQL</u> 0.025 0.050 0.050 0.10	8690 3/2023 SPK value 1.000 1.000 3.000 1.000	F SPK Ref Val 0 0 0 0 0 Tes	RunNo: 98 SeqNo: 38 %REC 94.3 96.3 97.2 97.2 95.4	3690 596324 LowLimit 70 70 70 70 70 39.1	Units: <b>mg/k</b> HighLimit 130 130 130 130 146	<b>%</b> RPD	RPDLimit	Qual
Client ID: LCSS Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb	Batc Analysis I Result 0.94 0.96 0.97 2.9 0.95 Samp <sup>-</sup>	h ID: <b>R9</b> Date: <b>8/</b> <u>PQL</u> 0.025 0.050 0.050 0.10 Type: <b>MB</b> h ID: <b>R9</b>	8690 3/2023 SPK value 1.000 1.000 3.000 1.000 SLK 8690	F SPK Ref Val 0 0 0 0 Tes F	RunNo: 98 SeqNo: 3 %REC 94.3 96.3 97.2 97.2 97.2 95.4	3690 596324 20wLimit 70 70 70 39.1 PA Method 3690	Units: <b>mg/k</b> HighLimit 130 130 130 130 146	Sg %RPD	RPDLimit	Qual
Client ID: LCSS Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb Client ID: PBS	Batc Analysis I Result 0.94 0.96 0.97 2.9 0.95 Samp Batc	h ID: <b>R9</b> Date: <b>8/</b> <u>PQL</u> 0.025 0.050 0.050 0.10 Type: <b>MB</b> h ID: <b>R9</b>	8690 3/2023 SPK value 1.000 1.000 3.000 1.000 SLK 8690 3/2023	F SPK Ref Val 0 0 0 0 Tes F	RunNo: 98 SeqNo: 38 %REC 94.3 96.3 97.2 97.2 95.4 stCode: EF RunNo: 98	3690 596324 20wLimit 70 70 70 39.1 PA Method 3690	Units: mg/k HighLimit 130 130 130 130 146 8021B: Volat	Sg %RPD	RPDLimit	Qual
Client ID: LCSS Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb Client ID: PBS Prep Date:	Batc Analysis I Result 0.94 0.96 0.97 2.9 0.95 Samp Batc Analysis I	h ID: <b>R9</b> Date: <b>8/</b> 0.025 0.050 0.050 0.10 Type: <b>MB</b> h ID: <b>R9</b> Date: <b>8/</b>	8690 3/2023 SPK value 1.000 1.000 3.000 1.000 SLK 8690 3/2023	F SPK Ref Val 0 0 0 0 0 Tes F	RunNo: 98 SeqNo: 38 %REC 94.3 96.3 97.2 97.2 97.2 95.4 stCode: EF RunNo: 98 SeqNo: 38	3690 596324 LowLimit 70 70 70 39.1 PA Method 3690 596325	Units: mg/k HighLimit 130 130 130 130 146 8021B: Volat Units: mg/k	Sg %RPD iles		
Client ID: LCSS Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb Client ID: PBS Prep Date: Analyte	Batc Analysis I Result 0.94 0.96 0.97 2.9 0.95 Samp Batc Analysis I Result	h ID: <b>R9</b> Date: <b>8/</b> Oate: <b>8/</b> PQL 0.025 0.050 0.050 0.10 Type: <b>MB</b> h ID: <b>R9</b> Date: <b>8/</b> PQL	8690 3/2023 SPK value 1.000 1.000 3.000 1.000 SLK 8690 3/2023	F SPK Ref Val 0 0 0 0 0 Tes F	RunNo: 98 SeqNo: 38 %REC 94.3 96.3 97.2 97.2 97.2 95.4 stCode: EF RunNo: 98 SeqNo: 38	3690 596324 LowLimit 70 70 70 39.1 PA Method 3690 596325	Units: mg/k HighLimit 130 130 130 130 146 8021B: Volat Units: mg/k	Sg %RPD iles		
Client ID: LCSS Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb Client ID: PBS Prep Date: Analyte Benzene	Batc Analysis I Result 0.94 0.96 0.97 2.9 0.95 Samp Batc Analysis I Result ND	h ID: <b>R9</b> Date: <b>8/</b> <u>PQL</u> 0.025 0.050 0.050 0.10 Type: <b>MB</b> h ID: <b>R9</b> Date: <b>8/</b> PQL 0.025	8690 3/2023 SPK value 1.000 1.000 3.000 1.000 SLK 8690 3/2023	F SPK Ref Val 0 0 0 0 0 Tes F	RunNo: 98 SeqNo: 38 %REC 94.3 96.3 97.2 97.2 97.2 95.4 stCode: EF RunNo: 98 SeqNo: 38	3690 596324 LowLimit 70 70 70 39.1 PA Method 3690 596325	Units: mg/k HighLimit 130 130 130 130 146 8021B: Volat Units: mg/k	Sg %RPD iles		
Client ID: LCSS Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb Client ID: PBS Prep Date: Analyte Benzene Toluene	Batc Analysis I Result 0.94 0.96 0.97 2.9 0.95 Samp Batc Analysis I Result ND ND	h ID: <b>R9</b> Date: <b>8</b> / PQL 0.025 0.050 0.050 0.10 Type: <b>MB</b> h ID: <b>R9</b> Date: <b>8</b> / PQL 0.025 0.050	8690 3/2023 SPK value 1.000 1.000 3.000 1.000 SLK 8690 3/2023	F SPK Ref Val 0 0 0 0 0 Tes F	RunNo: 98 SeqNo: 38 %REC 94.3 96.3 97.2 97.2 97.2 95.4 stCode: EF RunNo: 98 SeqNo: 38	3690 596324 LowLimit 70 70 70 39.1 PA Method 3690 596325	Units: mg/k HighLimit 130 130 130 130 146 8021B: Volat Units: mg/k	Sg %RPD iles		

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WO#: **2308194** 

07-Aug-23

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Alb. TEL: 505-345-3975	Analysis Laboratory 4901 Hawkins NE uquerque. NM 87109 FAX: 505-345-4107 dlenvironmental.com	Sam	iple Log-In C	Check List
Client Name: Ensolum LLC	Work Order Number	2308194		RcptNo	1
Received By: Tracy Casarrub	ias 8/3/2023 7:20:00 AM				
Completed By: Tracy Casarrub					
Reviewed By: 718 (3/2)					
Chain of Custody					
1. Is Chain of Custody complete?		Yes	No 🗹	Not Present	
2. How was the sample delivered?		Courier			
Log In 3. Was an attempt made to cool th	e samples?	Yes 🗹	No 🗌	NA 🗌	
4. Were all samples received at a t	emperature of >0° C to 6.0°C	Yes  Approved by clie	No 🗹	NA 🗌	
5. Sample(s) in proper container(s)	?	provides with a method of a second second second with the second s	No 🗌		
6. Sufficient sample volume for ind	icated test(s)?	Yes 🔽	No 🗌		
7. Are samples (except VOA and C	NG) properly preserved?	Yes 🗹	No 🗌		
8. Was preservative added to bottle	es?	Yes 🗌	No 🗹	NA 🗌	
9. Received at least 1 vial with hea	dspace <1/4" for AQ VOA?		No 🗌	NA 🗹	1
10. Were any sample containers rec	ceived broken?	Yes	No 🔽	# of preserved	
11. Does paperwork match bottle la		Yes 🗹	No 🗌	bottles checked for pH: (<2 o	r/>12 unless noted)
(Note discrepancies on chain of	• /	Yes 🗹	No 🗌	Adjusted?	
<ul><li>12. Are matrices correctly identified</li><li>13. Is it clear what analyses were re</li></ul>					a al al a
14. Were all holding times able to be (If no, notify customer for author	e met?		No 🗌	Checked by:	4 cm 08/03/2
Special Handling (if applica	<u>ble)</u>				
15. Was client notified of all discrep	pancies with this order?	Yes 🗌	No 🗌	NA 🗹	
Person Notified:	Date:				
By Whom:	Via:	eMail 🗌 Phone	e 🗌 Fax	In Person	
Regarding:					5-51
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August 25, 2023

Kelly Lowery Ensolum LLC 601 Marrenfield #400 Midland, TX 79701 TEL: (214) 733-3165 FAX:

RE: Burton Flats 6 Inch

OrderNo.: 2308A27

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Kelly Lowery:

Hall Environmental Analysis Laboratory received 17 sample(s) on 8/18/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2308A27

Date Reported: 8/25/2023

<b>CLIENT</b> :	Ensolum LLC	Client Sample ID: North
<b>Project:</b>	Burton Flats 6 Inch	Collection Date: 8/16/2023 1:00:00 PM
Lab ID:	2308A27-001	<b>Matrix:</b> MEOH (SOIL) <b>Received Date:</b> 8/18/2023 7:40:00 AM

Analyses	Result	RL Qu	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	8/18/2023 3:08:48 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/18/2023 3:08:48 PM
Surr: DNOP	96.3	69-147	%Rec	1	8/18/2023 3:08:48 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.1	mg/Kg	1	8/18/2023 2:26:00 PM
Surr: BFB	102	15-244	%Rec	1	8/18/2023 2:26:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.021	mg/Kg	1	8/18/2023 2:26:00 PM
Toluene	ND	0.041	mg/Kg	1	8/18/2023 2:26:00 PM
Ethylbenzene	ND	0.041	mg/Kg	1	8/18/2023 2:26:00 PM
Xylenes, Total	ND	0.082	mg/Kg	1	8/18/2023 2:26:00 PM
Surr: 4-Bromofluorobenzene	94.4	39.1-146	%Rec	1	8/18/2023 2:26:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	8/18/2023 5:27:55 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

\* Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix

D Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

ND PQL Practical Quanitative Limit

- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 1 of 23

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2308A27

Date Reported: 8/25/2023

CLIENT	Ensolum LLC	Client Sample ID: South
<b>Project:</b>	Burton Flats 6 Inch	Collection Date: 8/16/2023 1:02:00 PM
Lab ID:	2308A27-002	Matrix: MEOH (SOIL) Received Date: 8/18/2023 7:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	GANICS				Analyst: PRD
Diesel Range Organics (DRO)	830	9.8	mg/Kg	1	8/18/2023 3:27:36 PM
Motor Oil Range Organics (MRO)	880	49	mg/Kg	1	8/18/2023 3:27:36 PM
Surr: DNOP	75.8	69-147	%Rec	1	8/18/2023 3:27:36 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	5.3	mg/Kg	1	8/18/2023 2:48:00 PM
Surr: BFB	105	15-244	%Rec	1	8/18/2023 2:48:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.027	mg/Kg	1	8/18/2023 2:48:00 PM
Toluene	ND	0.053	mg/Kg	1	8/18/2023 2:48:00 PM
Ethylbenzene	ND	0.053	mg/Kg	1	8/18/2023 2:48:00 PM
Xylenes, Total	ND	0.11	mg/Kg	1	8/18/2023 2:48:00 PM
Surr: 4-Bromofluorobenzene	94.6	39.1-146	%Rec	1	8/18/2023 2:48:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	550	60	mg/Kg	20	8/18/2023 5:40:20 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix

D Sample Diluted Due to MatrixH Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

Page 2 of 23

**Analytical Report** Lab Order 2308A27

Date Reported: 8/25/2023

#### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Ensolum LLC Client Sample ID: East **Project:** Burton Flats 6 Inch Collection Date: 8/16/2023 1:04:00 PM Lab ID: 2308A27-003 Matrix: MEOH (SOIL) Received Date: 8/18/2023 7:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	8/18/2023 4:04:52 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	8/18/2023 4:04:52 PM
Surr: DNOP	81.8	69-147	%Rec	1	8/18/2023 4:04:52 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.4	mg/Kg	1	8/18/2023 3:10:00 PM
Surr: BFB	106	15-244	%Rec	1	8/18/2023 3:10:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: <b>KMN</b>
Benzene	ND	0.022	mg/Kg	1	8/18/2023 3:10:00 PM
Toluene	ND	0.044	mg/Kg	1	8/18/2023 3:10:00 PM
Ethylbenzene	ND	0.044	mg/Kg	1	8/18/2023 3:10:00 PM
Xylenes, Total	ND	0.087	mg/Kg	1	8/18/2023 3:10:00 PM
Surr: 4-Bromofluorobenzene	95.5	39.1-146	%Rec	1	8/18/2023 3:10:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	8/18/2023 7:07:12 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated. S

- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 3 of 23

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**CLIENT:** Ensolum LLC

**Analytical Report** Lab Order 2308A27

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 8/25/2023 **Client Sample ID: West** Burton Flats 6 Inch Collection Date: 8/16/2023 1:06:00 PM

Lab ID: 2308A27-004

**Project:** 

Matrix: MEOH (SOIL) Received Date: 8/18/2023 7:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	Analyst: PRD				
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	8/18/2023 4:23:24 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	8/18/2023 4:23:24 PM
Surr: DNOP	76.6	69-147	%Rec	1	8/18/2023 4:23:24 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.5	mg/Kg	1	8/18/2023 3:32:00 PM
Surr: BFB	105	15-244	%Rec	1	8/18/2023 3:32:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.023	mg/Kg	1	8/18/2023 3:32:00 PM
Toluene	ND	0.045	mg/Kg	1	8/18/2023 3:32:00 PM
Ethylbenzene	ND	0.045	mg/Kg	1	8/18/2023 3:32:00 PM
Xylenes, Total	ND	0.090	mg/Kg	1	8/18/2023 3:32:00 PM
Surr: 4-Bromofluorobenzene	95.5	39.1-146	%Rec	1	8/18/2023 3:32:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	59	mg/Kg	20	8/18/2023 7:19:36 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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#### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2308A27

Date Reported: 8/25/2023

**CLIENT:** Ensolum LLC Client Sample ID: STP-1 **Project:** Burton Flats 6 Inch Collection Date: 8/16/2023 1:08:00 PM Lab ID: 2308A27-005 Matrix: MEOH (SOIL) Received Date: 8/18/2023 7:40:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	Analyst: PRD				
Diesel Range Organics (DRO)	15	9.8	mg/Kg	1	8/18/2023 4:41:57 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/18/2023 4:41:57 PM
Surr: DNOP	78.5	69-147	%Rec	1	8/18/2023 4:41:57 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.6	mg/Kg	1	8/18/2023 3:54:00 PM
Surr: BFB	103	15-244	%Rec	1	8/18/2023 3:54:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.018	mg/Kg	1	8/18/2023 3:54:00 PM
Toluene	ND	0.036	mg/Kg	1	8/18/2023 3:54:00 PM
Ethylbenzene	ND	0.036	mg/Kg	1	8/18/2023 3:54:00 PM
Xylenes, Total	ND	0.072	mg/Kg	1	8/18/2023 3:54:00 PM
Surr: 4-Bromofluorobenzene	94.9	39.1-146	%Rec	1	8/18/2023 3:54:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	63	60	mg/Kg	20	8/18/2023 7:32:01 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

\* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated. S

- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 5 of 23

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2308A27

Date Reported: 8/25/2023

CLIENT	Ensolum LLC	Client Sample ID: STP-2
<b>Project:</b>	Burton Flats 6 Inch	Collection Date: 8/16/2023 1:10:00 PM
Lab ID:	2308A27-006	<b>Matrix:</b> MEOH (SOIL) <b>Received Date:</b> 8/18/2023 7:40:00 AM

Analyses	Result	RL Qu	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	Analyst: PRD				
Diesel Range Organics (DRO)	22	9.9	mg/Kg	1	8/18/2023 5:00:36 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/18/2023 5:00:36 PM
Surr: DNOP	80.2	69-147	%Rec	1	8/18/2023 5:00:36 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: <b>KMN</b>
Gasoline Range Organics (GRO)	ND	3.7	mg/Kg	1	8/18/2023 4:16:00 PM
Surr: BFB	107	15-244	%Rec	1	8/18/2023 4:16:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: <b>KMN</b>
Benzene	ND	0.019	mg/Kg	1	8/18/2023 4:16:00 PM
Toluene	ND	0.037	mg/Kg	1	8/18/2023 4:16:00 PM
Ethylbenzene	ND	0.037	mg/Kg	1	8/18/2023 4:16:00 PM
Xylenes, Total	ND	0.075	mg/Kg	1	8/18/2023 4:16:00 PM
Surr: 4-Bromofluorobenzene	96.1	39.1-146	%Rec	1	8/18/2023 4:16:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	140	60	mg/Kg	20	8/18/2023 7:44:26 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

\* Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix

D Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated. S

- Analyte detected in the associated Method Blank в
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 6 of 23

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2308A27

Date Reported: 8/25/2023

CLIENT	Ensolum LLC	Client Sample ID: FS-1
<b>Project:</b>	Burton Flats 6 Inch	Collection Date: 8/16/2023 1:12:00 PM
Lab ID:	2308A27-007	<b>Matrix:</b> MEOH (SOIL) <b>Received Date:</b> 8/18/2023 7:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: PRD
Diesel Range Organics (DRO)	320	9.8	mg/Kg	1	8/18/2023 5:19:02 PM
Motor Oil Range Organics (MRO)	210	49	mg/Kg	1	8/18/2023 5:19:02 PM
Surr: DNOP	72.2	69-147	%Rec	1	8/18/2023 5:19:02 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.7	mg/Kg	1	8/18/2023 4:38:00 PM
Surr: BFB	102	15-244	%Rec	1	8/18/2023 4:38:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: <b>KMN</b>
Benzene	ND	0.019	mg/Kg	1	8/18/2023 4:38:00 PM
Toluene	ND	0.037	mg/Kg	1	8/18/2023 4:38:00 PM
Ethylbenzene	ND	0.037	mg/Kg	1	8/18/2023 4:38:00 PM
Xylenes, Total	ND	0.074	mg/Kg	1	8/18/2023 4:38:00 PM
Surr: 4-Bromofluorobenzene	93.6	39.1-146	%Rec	1	8/18/2023 4:38:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	1200	60	mg/Kg	20	8/18/2023 7:56:50 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

\* Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix

D Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated. S

- Analyte detected in the associated Method Blank в
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range Reporting Limit

RL

Page 7 of 23

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2308A27

Date Reported: 8/25/2023

CLIENT	Ensolum LLC	Client Sample ID: FS-2
<b>Project:</b>	Burton Flats 6 Inch	Collection Date: 8/16/2023 1:14:00 PM
Lab ID:	2308A27-008	<b>Matrix:</b> MEOH (SOIL) <b>Received Date:</b> 8/18/2023 7:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	Analyst: PRD				
Diesel Range Organics (DRO)	590	9.5	mg/Kg	1	8/18/2023 5:37:42 PM
Motor Oil Range Organics (MRO)	400	48	mg/Kg	1	8/18/2023 5:37:42 PM
Surr: DNOP	70.2	69-147	%Rec	1	8/18/2023 5:37:42 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.4	mg/Kg	1	8/18/2023 5:00:00 PM
Surr: BFB	102	15-244	%Rec	1	8/18/2023 5:00:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.022	mg/Kg	1	8/18/2023 5:00:00 PM
Toluene	ND	0.044	mg/Kg	1	8/18/2023 5:00:00 PM
Ethylbenzene	ND	0.044	mg/Kg	1	8/18/2023 5:00:00 PM
Xylenes, Total	ND	0.088	mg/Kg	1	8/18/2023 5:00:00 PM
Surr: 4-Bromofluorobenzene	93.1	39.1-146	%Rec	1	8/18/2023 5:00:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	280	60	mg/Kg	20	8/18/2023 8:09:15 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

\* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated. S

- Analyte detected in the associated Method Blank в
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 8 of 23

**Analytical Report** Lab Order 2308A27

Date Reported: 8/25/2023

#### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Ensolum LLC Client Sample ID: FS-3 **Project:** Burton Flats 6 Inch Collection Date: 8/16/2023 1:16:00 PM Lab ID: 2308A27-009 Matrix: MEOH (SOIL) Received Date: 8/18/2023 7:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analyst: PRD
Diesel Range Organics (DRO)	57	9.9	mg/Kg	1	8/18/2023 6:38:35 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/18/2023 6:38:35 PM
Surr: DNOP	86.9	69-147	%Rec	1	8/18/2023 6:38:35 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.9	mg/Kg	1	8/18/2023 5:21:00 PM
Surr: BFB	102	15-244	%Rec	1	8/18/2023 5:21:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.020	mg/Kg	1	8/18/2023 5:21:00 PM
Toluene	ND	0.039	mg/Kg	1	8/18/2023 5:21:00 PM
Ethylbenzene	ND	0.039	mg/Kg	1	8/18/2023 5:21:00 PM
Xylenes, Total	ND	0.078	mg/Kg	1	8/18/2023 5:21:00 PM
Surr: 4-Bromofluorobenzene	92.7	39.1-146	%Rec	1	8/18/2023 5:21:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	250	60	mg/Kg	20	8/18/2023 8:46:29 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated. S

- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range Reporting Limit

RL

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\*

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2308A27

Date Reported: 8/25/2023

**CLIENT:** Ensolum LLC Client Sample ID: SW-1 **Project:** Burton Flats 6 Inch Collection Date: 8/16/2023 1:18:00 PM Lab ID: 2308A27-010 Matrix: MEOH (SOIL) Received Date: 8/18/2023 7:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	Analyst: PRD				
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	8/21/2023 4:10:23 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/21/2023 4:10:23 PM
Surr: DNOP	91.7	69-147	%Rec	1	8/21/2023 4:10:23 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.0	mg/Kg	1	8/18/2023 6:05:00 PM
Surr: BFB	110	15-244	%Rec	1	8/18/2023 6:05:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: <b>KMN</b>
Benzene	ND	0.020	mg/Kg	1	8/18/2023 6:05:00 PM
Toluene	ND	0.040	mg/Kg	1	8/18/2023 6:05:00 PM
Ethylbenzene	ND	0.040	mg/Kg	1	8/18/2023 6:05:00 PM
Xylenes, Total	ND	0.080	mg/Kg	1	8/18/2023 6:05:00 PM
Surr: 4-Bromofluorobenzene	94.2	39.1-146	%Rec	1	8/18/2023 6:05:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	8/18/2023 8:58:53 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

\* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2308A27

Date Reported: 8/25/2023

CLIENT	Ensolum LLC	Client Sample ID: SW-2
<b>Project:</b>	Burton Flats 6 Inch	Collection Date: 8/16/2023 1:20:00 PM
Lab ID:	2308A27-011	<b>Matrix:</b> MEOH (SOIL) <b>Received Date:</b> 8/18/2023 7:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR		Analyst: PRD			
Diesel Range Organics (DRO)	540	9.5	mg/Kg	1	8/18/2023 7:36:28 PM
Motor Oil Range Organics (MRO)	440	47	mg/Kg	1	8/18/2023 7:36:28 PM
Surr: DNOP	73.7	69-147	%Rec	1	8/18/2023 7:36:28 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.5	mg/Kg	1	8/18/2023 6:27:00 PM
Surr: BFB	100	15-244	%Rec	1	8/18/2023 6:27:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.023	mg/Kg	1	8/18/2023 6:27:00 PM
Toluene	ND	0.045	mg/Kg	1	8/18/2023 6:27:00 PM
Ethylbenzene	ND	0.045	mg/Kg	1	8/18/2023 6:27:00 PM
Xylenes, Total	ND	0.091	mg/Kg	1	8/18/2023 6:27:00 PM
Surr: 4-Bromofluorobenzene	91.9	39.1-146	%Rec	1	8/18/2023 6:27:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	1900	60	mg/Kg	20	8/18/2023 9:11:18 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

\* Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix

- D Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Released to Imaging: 11/28/2023 8:15:51 AM

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2308A27

Date Reported: 8/25/2023

CLIENT: Ensolum LLC		Client Sample ID: SW-3
<b>Project:</b>	Burton Flats 6 Inch	Collection Date: 8/16/2023 1:22:00 PM
Lab ID:	2308A27-012	<b>Matrix:</b> MEOH (SOIL) <b>Received Date:</b> 8/18/2023 7:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	Analyst: PRD				
Diesel Range Organics (DRO)	640	9.7	mg/Kg	1	8/18/2023 8:14:58 PM
Motor Oil Range Organics (MRO)	410	48	mg/Kg	1	8/18/2023 8:14:58 PM
Surr: DNOP	77.0	69-147	%Rec	1	8/18/2023 8:14:58 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.7	mg/Kg	1	8/18/2023 6:49:00 PM
Surr: BFB	103	15-244	%Rec	1	8/18/2023 6:49:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.018	mg/Kg	1	8/18/2023 6:49:00 PM
Toluene	ND	0.037	mg/Kg	1	8/18/2023 6:49:00 PM
Ethylbenzene	ND	0.037	mg/Kg	1	8/18/2023 6:49:00 PM
Xylenes, Total	ND	0.073	mg/Kg	1	8/18/2023 6:49:00 PM
Surr: 4-Bromofluorobenzene	93.4	39.1-146	%Rec	1	8/18/2023 6:49:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	1600	60	mg/Kg	20	8/18/2023 9:23:43 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

\* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated. S

- Analyte detected in the associated Method Blank в
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 12 of 23

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2308A27

Date Reported: 8/25/2023

CLIENT	Ensolum LLC	Client Sample ID: SW-4
<b>Project:</b>	Burton Flats 6 Inch	Collection Date: 8/16/2023 1:24:00 PM
Lab ID:	2308A27-013	<b>Matrix:</b> MEOH (SOIL) <b>Received Date:</b> 8/18/2023 7:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	Analyst: PRD				
Diesel Range Organics (DRO)	820	9.2	mg/Kg	1	8/18/2023 8:52:33 PM
Motor Oil Range Organics (MRO)	560	46	mg/Kg	1	8/18/2023 8:52:33 PM
Surr: DNOP	76.1	69-147	%Rec	1	8/18/2023 8:52:33 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.7	mg/Kg	1	8/18/2023 7:11:00 PM
Surr: BFB	101	15-244	%Rec	1	8/18/2023 7:11:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: <b>KMN</b>
Benzene	ND	0.018	mg/Kg	1	8/18/2023 7:11:00 PM
Toluene	ND	0.037	mg/Kg	1	8/18/2023 7:11:00 PM
Ethylbenzene	ND	0.037	mg/Kg	1	8/18/2023 7:11:00 PM
Xylenes, Total	ND	0.074	mg/Kg	1	8/18/2023 7:11:00 PM
Surr: 4-Bromofluorobenzene	92.5	39.1-146	%Rec	1	8/18/2023 7:11:00 PM
EPA METHOD 300.0: ANIONS					Analyst: <b>JTT</b>
Chloride	350	60	mg/Kg	20	8/18/2023 9:36:08 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

\* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated. S

- Analyte detected in the associated Method Blank в
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 13 of 23
## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2308A27

Date Reported: 8/25/2023

**CLIENT:** Ensolum LLC **Client Sample ID: SW-5 Project:** Burton Flats 6 Inch Collection Date: 8/16/2023 1:26:00 PM Lab ID: 2308A27-014 Matrix: MEOH (SOIL) Received Date: 8/18/2023 7:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: PRD
Diesel Range Organics (DRO)	670	9.7	mg/Kg	1	8/18/2023 9:30:06 PM
Motor Oil Range Organics (MRO)	490	48	mg/Kg	1	8/18/2023 9:30:06 PM
Surr: DNOP	82.5	69-147	%Rec	1	8/18/2023 9:30:06 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/18/2023 7:33:00 PM
Surr: BFB	97.4	15-244	%Rec	1	8/18/2023 7:33:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.025	mg/Kg	1	8/18/2023 7:33:00 PM
Toluene	ND	0.049	mg/Kg	1	8/18/2023 7:33:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	8/18/2023 7:33:00 PM
Xylenes, Total	ND	0.099	mg/Kg	1	8/18/2023 7:33:00 PM
Surr: 4-Bromofluorobenzene	90.4	39.1-146	%Rec	1	8/18/2023 7:33:00 PM
EPA METHOD 300.0: ANIONS					Analyst: <b>JTT</b>
Chloride	960	60	mg/Kg	20	8/18/2023 9:48:32 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range Reporting Limit
- RL

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## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2308A27

Date Reported: 8/25/2023

**CLIENT:** Ensolum LLC Client Sample ID: SS-05 **Project:** Burton Flats 6 Inch Collection Date: 8/16/2023 2:20:00 PM Lab ID: 2308A27-015 Matrix: MEOH (SOIL) Received Date: 8/18/2023 7:40:00 AM

Analyses	Result	RL Qu	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: PRD
Diesel Range Organics (DRO)	120	9.4	mg/Kg	1	8/18/2023 10:07:49 PM
Motor Oil Range Organics (MRO)	160	47	mg/Kg	1	8/18/2023 10:07:49 PM
Surr: DNOP	82.9	69-147	%Rec	1	8/18/2023 10:07:49 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.0	mg/Kg	1	8/18/2023 7:55:00 PM
Surr: BFB	104	15-244	%Rec	1	8/18/2023 7:55:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.020	mg/Kg	1	8/18/2023 7:55:00 PM
Toluene	ND	0.040	mg/Kg	1	8/18/2023 7:55:00 PM
Ethylbenzene	ND	0.040	mg/Kg	1	8/18/2023 7:55:00 PM
Xylenes, Total	ND	0.079	mg/Kg	1	8/18/2023 7:55:00 PM
Surr: 4-Bromofluorobenzene	92.4	39.1-146	%Rec	1	8/18/2023 7:55:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	140	60	mg/Kg	20	8/18/2023 10:00:57 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

\* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

н Holding times for preparation or analysis exceeded

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2308A27

Date Reported: 8/25/2023

CLIENT	Ensolum LLC	Client Sample ID: SS-06
<b>Project:</b>	Burton Flats 6 Inch	Collection Date: 8/16/2023 2:22:00 PM
Lab ID:	2308A27-016	Matrix: MEOH (SOIL) Received Date: 8/18/2023 7:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORC	GANICS				Analyst: PRD
Diesel Range Organics (DRO)	470	10	mg/Kg	1	8/18/2023 10:45:22 PM
Motor Oil Range Organics (MRO)	420	50	mg/Kg	1	8/18/2023 10:45:22 PM
Surr: DNOP	85.3	69-147	%Rec	1	8/18/2023 10:45:22 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.5	mg/Kg	1	8/18/2023 10:05:00 PM
Surr: BFB	99.7	15-244	%Rec	1	8/18/2023 10:05:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.017	mg/Kg	1	8/18/2023 10:05:00 PM
Toluene	ND	0.035	mg/Kg	1	8/18/2023 10:05:00 PM
Ethylbenzene	ND	0.035	mg/Kg	1	8/18/2023 10:05:00 PM
Xylenes, Total	ND	0.070	mg/Kg	1	8/18/2023 10:05:00 PM
Surr: 4-Bromofluorobenzene	90.9	39.1-146	%Rec	1	8/18/2023 10:05:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	900	60	mg/Kg	20	8/18/2023 10:13:21 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

\* Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix

D Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated. S

- Analyte detected in the associated Method Blank в
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 16 of 23

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2308A27

Date Reported: 8/25/2023

CLIENT	Ensolum LLC	Client Sample ID: SS-07
<b>Project:</b>	Burton Flats 6 Inch	Collection Date: 8/16/2023 2:24:00 PM
Lab ID:	2308A27-017	<b>Matrix:</b> MEOH (SOIL) <b>Received Date:</b> 8/18/2023 7:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: PRD
Diesel Range Organics (DRO)	810	9.3	mg/Kg	1	8/18/2023 11:23:18 PM
Motor Oil Range Organics (MRO)	540	47	mg/Kg	1	8/18/2023 11:23:18 PM
Surr: DNOP	97.3	69-147	%Rec	1	8/18/2023 11:23:18 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.0	mg/Kg	1	8/18/2023 10:27:00 PM
Surr: BFB	102	15-244	%Rec	1	8/18/2023 10:27:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.020	mg/Kg	1	8/18/2023 10:27:00 PM
Toluene	ND	0.040	mg/Kg	1	8/18/2023 10:27:00 PM
Ethylbenzene	ND	0.040	mg/Kg	1	8/18/2023 10:27:00 PM
Xylenes, Total	ND	0.080	mg/Kg	1	8/18/2023 10:27:00 PM
Surr: 4-Bromofluorobenzene	90.7	39.1-146	%Rec	1	8/18/2023 10:27:00 PM
EPA METHOD 300.0: ANIONS					Analyst: <b>JMT</b>
Chloride	4300	150	mg/Kg	50	8/23/2023 2:41:16 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

\* Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix

- D Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Client: Project:		lum LLC on Flats 6 Inch								
Sample ID:	MB-76948 SampType: MBLK TestCode: EPA Meth					A Method	300.0: Anions	5		
Client ID:	PBS	Batch ID:	76948	F	RunNo: <b>990</b>	079				
Prep Date:	8/18/2023	Analysis Date:	8/18/2023	S	SeqNo: <b>361</b>	11702	Units: mg/K	g		
Analyte		Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1	.5							
Sample ID:	LCS-76948	SampType:	LCS	Tes	tCode: EPA	A Method	300.0: Anions	;		
Client ID:	LCSS	Batch ID:	76948	F	RunNo: <b>990</b>	079				
Prep Date:	8/18/2023	Analysis Date:	8/18/2023	S	SeqNo: <b>361</b>	11703	Units: mg/K	g		
Analyte		Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		16 1	.5 15.00	0	110	90	110			

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2308A27

25-Aug-23

WO#:

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

O#:	: 2308A27	
	25-Aug-23	

Client: Project:	Ensolum I Burton Fla	-	h								
Sample ID:	MB-76942	SampT	Туре: <b>МЕ</b>	BLK	Tes	tCode: EF	A Method	8015M/D: Die	sel Range	Organics	
Client ID:	PBS	Batch	h ID: 769	942	F	RunNo: <b>9</b> 9	075				
Prep Date:	8/18/2023	Analysis D	Date: <b>8/</b>	18/2023	S	SeqNo: <b>36</b>	512118	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
•	Organics (DRO)	ND	10								
-	ge Organics (MRO)	ND	50	10.00		101	60	4 47			
Surr: DNOP		10		10.00		101	69	147			
Sample ID:	LCS-76942	SampT	Type: LC	S	Tes	tCode: EF	A Method	8015M/D: Die	sel Range	Organics	
Client ID:	LCSS	Batch	h ID: 769	942	F	RunNo: <b>9</b> 9	075				
Prep Date:	8/18/2023	Analysis D	Date: <b>8/</b>	18/2023	S	SeqNo: 36	512119	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	Organics (DRO)	57	10	50.00	0	115	61.9	130			
Surr: DNOP		5.5		5.000		110	69	147			
Sample ID:	MB-76961	SampT	Туре: <b>МЕ</b>	BLK	Tes	tCode: EF	A Method	8015M/D: Die	sel Range	Organics	
Client ID:	PBS	Batch	h ID: 769	961	RunNo: 99104						
Prep Date:	8/21/2023	Analysis D	Date: <b>8/</b> 3	21/2023	S	SeqNo: <b>36</b>	612364	Units: %Red	:		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		8.3		10.00		82.5	69	147			
Sample ID:	LCS-76961	SampT	Type: LC	S	Tes	tCode: EF	A Method	8015M/D: Die	sel Range	Organics	
Client ID:	LCSS	Batch	h ID: 769	961		RunNo: <b>9</b> 9			Ū	0	
Prep Date:	8/21/2023	Analysis D	Date: <b>8/</b>	21/2023	S	SeqNo: 36	12365	Units: %Red	;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	1	4.0		5.000	OF ICITION VIA	80.7	69	147			Quui
Sample ID:	2308A27-001AMS	SampT	Туре: <b>МS</b>		Tes	tCode: FF	A Method	8015M/D: Die	sel Range	Organics	
		p	7	-					-si i unge	9411100	
Client ID:	North	Batch	•	942	F	RunNo: 99			_		
Client ID: Prep Date:	North 8/18/2023	Batch Analysis D	h ID: 769			RunNo: <b>99</b> SeqNo: <b>36</b>	104	Units: <b>mg/K</b>	g		
			h ID: 769	21/2023			104	Units: <b>mg/K</b> HighLimit	g %RPD	RPDLimit	Qual
Prep Date: Analyte		Analysis D	h ID: <b>76</b> 9 Date: <b>8/</b> 2	21/2023	S	SeqNo: 36	)104 )13460	_	-	RPDLimit	Qual
Prep Date: Analyte	8/18/2023 Organics (DRO)	Analysis D Result	h ID: 769 Date: 8/2 PQL	21/2023 SPK value	SPK Ref Val	SeqNo: 36 %REC	0104 613460 LowLimit	HighLimit	-	RPDLimit	Qual
Prep Date: Analyte Diesel Range ( Surr: DNOP	8/18/2023 Organics (DRO)	Analysis D Result 57 4.6	h ID: 769 Date: 8/2 PQL	21/2023 SPK value 49.75 4.975	SPK Ref Val 9.116	SeqNo: 36 %REC 95.7 92.3	<b>104</b> 513460 LowLimit 54.2 69	HighLimit 135	%RPD		Qual
Prep Date: Analyte Diesel Range ( Surr: DNOP	8/18/2023 Organics (DRO)	Analysis D Result 57 4.6 SampT	h ID: <b>76</b> 9 Date: <b>8/</b> 2 PQL 10	21/2023 SPK value 49.75 4.975	SPK Ref Val 9.116 Tes	SeqNo: 36 %REC 95.7 92.3	2104 513460 LowLimit 54.2 69 24 Method	HighLimit 135 147	%RPD		Qual
Prep Date: Analyte Diesel Range ( Surr: DNOP Sample ID:	8/18/2023 Organics (DRO) 2308A27-001AMSD	Analysis D Result 57 4.6 SampT	h ID: <b>76</b> 9 Date: <b>8</b> /2 PQL 10 Type: <b>MS</b> h ID: <b>76</b> 9	21/2023 SPK value 49.75 4.975 SD 942	SPK Ref Val 9.116 Tes F	SeqNo: 36 %REC 95.7 92.3 tCode: EF	104 313460 LowLimit 54.2 69 PA Method 1104	HighLimit 135 147	%RPD		Qual
Prep Date: Analyte Diesel Range ( Surr: DNOP Sample ID: Client ID:	8/18/2023 Organics (DRO) 2308A27-001AMSD North	Analysis D Result 57 4.6 SampT Batch	h ID: <b>76</b> 9 Date: <b>8</b> /2 PQL 10 Type: <b>MS</b> h ID: <b>76</b> 9	21/2023 SPK value 49.75 4.975 SD 942 21/2023	SPK Ref Val 9.116 Tes F	SeqNo: 36 %REC 95.7 92.3 tCode: EF RunNo: 99	104 313460 LowLimit 54.2 69 PA Method 1104	HighLimit 135 147 8015M/D: Die	%RPD		Qual

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 19 of 23

2308A27

WO#:

QC SUMMARY REPORT	
Hall Environmental Analysis Laboratory, Inc.	

25-Aug-23 **Client:** Ensolum LLC **Project:** Burton Flats 6 Inch Sample ID: 2308A27-001AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: Batch ID: 76942 RunNo: 99104 North Prep Date: SeqNo: 3613461 8/18/2023 Analysis Date: 8/21/2023 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Surr: DNOP 4.6 4.888 94.7 69 147 0 0

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 20 of 23

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	2308A27
	25 1

25-Aug-23

Client:Ensolum IProject:Burton Fl.	LLC ats 6 Inch								
Sample ID: 2.5ug gro Ics	SampType: LCS		Tes	tCode: El	PA Method	8015D: Gasoli	ine Range		
Client ID: LCSS	Batch ID: G990	68	F	tunNo: <b>9</b>	9068				
Prep Date:	Analysis Date: 8/18/	2023	S	SeqNo: 3	611285	Units: mg/Kg	9		
Analyte	Result PQL S	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	23 5.0 2200	25.00 1000	0	91.1 220	70 15	130 244			
Sample ID: <b>mb</b>	SampType: MBL	<	Tes	tCode: El	PA Method	8015D: Gasoli	ine Range		
Client ID: PBS	Batch ID: G990	68	F	unNo: <b>9</b>	9068				
Prep Date:	Analysis Date: 8/18/	2023	S	SeqNo: 3	611286	Units: mg/Kg	9		
Analyte	Result PQL S	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 1100	1000		107	15	244			
Sample ID: 2.5ug gro Ics	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: R990	68	F	unNo: <b>9</b>	9068				
Prep Date:	Analysis Date: 8/18/	2023	S	SeqNo: 3	611951	Units: %Rec			
Analyte	Result PQL S	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	2100	1000		211	15	244			
Sample ID: mb	SampType: MBL	<	Tes	tCode: El	PA Method	8015D: Gasoli	ine Range		
Client ID: PBS	Batch ID: R990	68	F	RunNo: <b>99068</b>					
Prep Date:	Analysis Date: 8/18/	2023	S	SeqNo: 3	611952	Units: %Rec			
Analyte	Result PQL S	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000	1000		105	15	244			
Sample ID: 2308a27-016ams	SampType: MS		Tes	tCode: El	PA Method	8015D: Gasoli	ine Range		
Client ID: SS-06	Batch ID: G990	68	F	unNo: <b>9</b>	9068		-		
Prep Date:	Analysis Date: 8/18/	2023	5	SeqNo: 3	611955	Units: mg/Kg	9		
Analyte	Result PQL S	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	15 3.5	17.40	0	86.7	70	130			
Surr: BFB	1400	695.9		204	15	244			
Sample ID: 2308a27-016amsd	SampType: MSD		Tes	tCode: El	PA Method	8015D: Gasoli	ine Range		
Client ID: SS-06	Batch ID: G990	68	F	unNo: <b>9</b>	9068				
Prep Date:	Analysis Date: 8/18/	2023	S	SeqNo: 3	611956	Units: mg/Kg	9		
Analyte	Result PQL S	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	15 3.5	17.40	0	85.3	70	130	1.63	20	
Surr: BFB	1400	695.9		199	15	244	0	0	

Qualifiers:

\* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

Sample pH Not In Range

P Sample pH Not In RL Reporting Limit Page 21 of 23

Ensolum LLC

Burton Flats 6 Inch

**Client:** 

**Project:** 

# **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

• · · ·										
Sample ID: 100ng btex lcs	Samp⁻	Type: LC	S	Tes	tCode: El	PA Method	8021B: Volati	iles		
Client ID: LCSS	Batc	h ID: <b>R9</b>	9068	F	RunNo: <b>9</b>	9068				
Prep Date:	Analysis [	Date: <b>8/</b> *	18/2023	S	SeqNo: 3	611283	Units: <b>mg/K</b>	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	88.8	70	130			
Toluene	0.90	0.050	1.000	0	89.7	70	130			
Ethylbenzene	0.92	0.050	1.000	0	91.6	70	130			
Xylenes, Total	2.7	0.10	3.000	0	91.5	70	130			
Surr: 4-Bromofluorobenzene	0.97		1.000		96.5	39.1	146			
Sample ID: <b>mb</b>	Samp⁻	Туре: <b>МВ</b>	BLK	Tes	tCode: El	PA Method	8021B: Volati	iles		
Client ID: PBS	Batc	h ID: <b>R9</b>	9068	F	RunNo: 9	9068				
Prep Date:	Analysis [	Date: <b>8/</b> *	18/2023	Ş	SeqNo: 3	611284	Units: <b>mg/K</b>	ſg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		96.5	39.1	146			
Sample ID: 100ng btex lcs	SampType: LCS TestCode: EPA Method 8021B: Volatiles									
Client ID: LCSS	Batc	h ID: <b>R9</b>	9068	F	RunNo: <b>9</b>	9068				
Prep Date:	Analysis [	Date: <b>8/</b> *	18/2023	Ş	SeqNo: 3	612051	Units: <b>mg/K</b>	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	89.8	70	130			
Toluene	0.91	0.050	1.000	0	91.0	70	130			
Ethylbenzene	0.93	0.050	1.000	0	92.9	70	130			
Xylenes, Total	2.8	0.10	3.000	0	93.0	70	130			
Surr: 4-Bromofluorobenzene	0.96		1.000		96.2	39.1	146			
Sample ID: <b>mb</b>	Samp	Туре: <b>МВ</b>	BLK	Tes	tCode: El	PA Method	8021B: Volati	iles		
				r	RunNo: 9	9068				
Client ID: PBS	Batc	h ID: <b>R9</b>	9068	г						
Client ID: <b>PBS</b> Prep Date:	Batc Analysis [				SeqNo: 3		Units: <b>mg/K</b>	g		
	Analysis [ Result	Date: <b>8/</b> * PQL	18/2023		-		Units: <b>mg/K</b> HighLimit	<b>′g</b> %RPD	RPDLimit	Qual
Prep Date:	Analysis I Result ND	Date: <b>8/</b> * PQL 0.025	18/2023	\$	SeqNo: 3	612052	_	-	RPDLimit	Qual
Prep Date: Analyte Benzene Toluene	Analysis [ Result ND ND	Date: <b>8/</b> * PQL 0.025 0.050	18/2023	\$	SeqNo: 3	612052	_	-	RPDLimit	Qual
Prep Date: Analyte	Analysis I Result ND ND ND	Date: 8/* PQL 0.025 0.050 0.050	18/2023	\$	SeqNo: 3	612052	_	-	RPDLimit	Qual
Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total	Analysis I Result ND ND ND ND	Date: <b>8/</b> * PQL 0.025 0.050	18/2023 SPK value	\$	SeqNo: 3	612052 LowLimit	HighLimit	-	RPDLimit	Qual
Prep Date: Analyte Benzene Toluene Ethylbenzene	Analysis I Result ND ND ND	Date: 8/* PQL 0.025 0.050 0.050	18/2023	\$	SeqNo: 3	612052	_	-	RPDLimit	Qual

#### **Qualifiers:**

Value exceeds Maximum Contaminant Level. \*

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated. S

В Analyte detected in the associated Method Blank

Е Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 22 of 23

WO#: 2308A27

25-Aug-23

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	2308A27

25-Aug-23

Client:	Ensolum LLC
Project:	Burton Flats 6 Inch

Sample ID: 2308a27-017ams	Samp <sup>-</sup>	Туре: <b>МS</b>	i	Tes	tCode: EF	PA Method	8021B: Volati	iles		
Client ID: SS-07	Batc	h ID: <b>R9</b>	9068	F	RunNo: <b>9</b> 9	9068				
Prep Date:	Analysis [	Date: <b>8/</b> *	18/2023	S	SeqNo: <b>36</b>	612064	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.69	0.020	0.7962	0	87.2	70	130			
Toluene	0.70	0.040	0.7962	0	88.4	70	130			
Ethylbenzene	0.71	0.040	0.7962	0	89.0	70	130			
Xylenes, Total	2.1	0.080	2.389	0	88.8	70	130			
Surr: 4-Bromofluorobenzene	0.74		0.7962		93.0	39.1	146			
Sample ID: 2308a27-017amsd	Samp	Туре: <b>МS</b>	D	Tes	tCode: EF	PA Method	8021B: Volati	iles		
Sample ID: 2308a27-017amsd Client ID: SS-07		Type: <b>MS</b> h ID: <b>R9</b>			tCode: EF RunNo: 99		8021B: Volati	iles		
		h ID: <b>R9</b>	9068	F		9068	8021B: Volati Units: mg/K			
Client ID: SS-07	Batc	h ID: <b>R9</b>	9068 18/2023	F	RunNo: 99	9068			RPDLimit	Qual
Client ID: <b>SS-07</b> Prep Date:	Batc Analysis [	h ID: <b>R9</b> Date: <b>8/</b> *	9068 18/2023	F	RunNo: 99 SeqNo: 36	9068 612065	Units: mg/K	íg	RPDLimit 20	Qual
Client ID: <b>SS-07</b> Prep Date: Analyte Benzene	Batc Analysis I Result	h ID: <b>R9</b> Date: <b>8/</b> * PQL	9068 18/2023 SPK value	F SPK Ref Val	RunNo: 99 SeqNo: 36 %REC	9068 612065 LowLimit	Units: <b>mg/K</b> HighLimit	íg %RPD		Qual
Client ID: <b>SS-07</b> Prep Date: Analyte Benzene Toluene	Batc Analysis I Result 0.69	h ID: <b>R9</b> Date: <b>8/</b> PQL 0.020	9068 18/2023 SPK value 0.7962	F SPK Ref Val 0	RunNo: 99 SeqNo: 36 %REC 86.8	2068 612065 LowLimit 70	Units: <b>mg/K</b> HighLimit 130	<b>5g</b> <u>%RPD</u> 0.431	20	Qual
Client ID: <b>SS-07</b> Prep Date: Analyte	Batc Analysis I Result 0.69 0.69	h ID: <b>R9</b> Date: <b>8</b> /* PQL 0.020 0.040	9068 18/2023 SPK value 0.7962 0.7962	F SPK Ref Val 0 0	RunNo: 99 SeqNo: 36 %REC 86.8 87.0	2068 512065 LowLimit 70 70	Units: <b>mg/K</b> HighLimit 130 130	<b>59</b> %RPD 0.431 1.59	20 20	Qual

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 23 of 23

HALL ENVIRONMENTAL ANALYSIS LABORATORY	.411 TEL: 505-345-397	l Analysis Laborator 4901 Hawkins N buquerque, NM 8710 5 FAX: 505-345-410 allenvironmental.com	<sup>E</sup> 9 Sam	ple Log-In (	Check List	·
Client Name: Ensolum LLC	Work Order Numbe	r: 2308A27		RcptNc	p: 1	
Received By: Tracy Casarru Completed By: Tracy Casarru						
Reviewed By: SM	8/18/23					
Chain of Custody 1. Is Chain of Custody complete?	2	Yes 🔽	No 🗌	Not Present		
2. How was the sample delivered	1?	Courier				
<u>Log In</u> 3. Was an attempt made to cool	the samples?	Yes 🗹	No 🗌	NA 🗌		
4. Were all samples received at a	a temperature of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗌		
5. Sample(s) in proper container(	s)?	Yes 🗹	No 🗌			
6. Sufficient sample volume for in		Yes 🗹	No 🗌			
7. Are samples (except VOA and		Yes 🗹	No 🗌			
8. Was preservative added to bot	tles?	Yes 🗌	No 🗹	NA 🗌		
9. Received at least 1 vial with he	•	Yes	No 🗌	NA 🗹		
10. Were any sample containers r	eceived broken?	Yes	No 🔽	# of preserved		
11. Does paperwork match bottle I (Note discrepancies on chain c		Yes 🗹	No 🗌		or >12 unless noted)	
12. Are matrices correctly identified	d on Chain of Custody?	Yes 🗹	No 🗌	Adjusted?		
13. Is it clear what analyses were a		Yes 🗹	No 🗌		JUS/18/23	
14. Were all holding times able to (If no, notify customer for authors)		Yes 🗹	No 🗌	Checked by:	7/18/18/23	
Special Handling (if applic	able)					
15. Was client notified of all discre	epancies with this order?	Yes	No 🗌	NA 🗹		
Person Notified:	Date:			_		
By Whom: Regarding:	Via:	eMail Pho	one 🗌 Fax	In Person		AM
Client Instructions:						5:51
16. Additional remarks:						3 8:1
	Condition Seal Intact Seal No bod Yes Yogi	Seal Date S	igned By			11/28/202.
Page 1 of 1						Released to Imaging: 11/28/2023 8:15:51 AM

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Interfact of the second function of the second for t	4901 Hawkins Tel. 505-345	TPH:8015D(GRO / DRO / MRO) 8081 Pesticides/8082 PCB's EDB (Method 504.1)						Remarks: Bill to: Email: Enterp Paykey/AFE/NonA
All Turn-Around Time:       Client: Ensolum. LLC     Turn-Around Time:       Client: Ensolum. LLC     Project Name:       Turn-Around Time:       Olient: Ensolum. LLC     Project Name:       Project Name:       Mailing Address:     601 N. Marienrield St. Suite 400     Project Name:       Mailing Address:     601 N. Marienrield St. Suite 400     Project Name:       Amount Time:     Project Nameger:     Kelly       Amount Fax#:     klowery@ensolum.com     Project Manager:     Kelly       Amount Time:     A compliance     Sampler:     Sampler:       Amount Time     Matrix     Sample Name     Sampler:     Sampler:       Dist. D     Dots     Horit     Dot     Horit       Dist. D     Dots     Horit     Dot     Horit       Dist. D     Sample Name     Bepth     Type       Dist. D     Sample Name     Depth     Typ	n QULAS lats 6 Inch 307	A May Not HEAL	03	003	00 <u>5</u> 00	2005 2005	110	Date Time T Date Time $a$ S[ta](3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
eived by OCD: 10252023 8-99:14 AM       Client: Ensolum. LLC     ILT Turn Arou       Client: Ensolum. LLC     Introde       Client: Ensolum. LLC     Introde       Stand       Project M       Compliance       DACCE Package:       DACC Package:       Project M	AR CZ	Iger:		ICP INP	the	The	JALA	
eived by OCD: 10/25/2023 8:49:14 AM Client: Ensolum, LLC Malling Address: 601 N. Marienfeld St. Suite 400 Malling Address: 601 N. Marienfeld St. Suite 400 Malling Address: 601 N. Marienfeld St. Suite 400 Phone #: 214-733-3165 email or Fax#: klowery@ensolum.com Cavac Package: Cavac Package: Ca	Turn-Arou	Project Mi Sampler: On Ice: # of Coole Cooler Te Container Tvoe and	20/7	402 1 402 1	102 1402 1	402   102   112		Received by MMAA Received by
eived by OCD: 10/25/2023 8:49:14 AM Challing Address: 601 N. Marienfeld St. Si Mailing Address: 601 N. Marienfeld St. Si Mailing Address: 601 N. Marienfeld St. Si Phone #: 214-733-3165 mail or Fax#: klowery@ensolum.com advac Package: advac Package: Data in a fax is klowery@ensolum.com Cavac Package: Data in a fax is klowery@ensolum.com Data in a fax is klowery@	inte 400	(alidation)		0.0	511	010	0-10	ntal may be sub
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Received by OCD: 10/25/2023 8:49:14 AM	8:49:14 AM	<b>1</b>	Turn-Around Time:	Time:			1						Page	Page 85 of 116
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Client: Ensolum, LLC			□ Standard	K Rush	XM MCS			ANA	ž	SIS	Z	ANALYSIS LABORATORY	DL	RY
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September 08, 2023

Kelly Lowery Ensolum LLC 601 Marrenfield #400 Midland, TX 79701 TEL: (214) 733-3165 FAX:

RE: Burrow Flats 6 Inch

OrderNo.: 2308F14

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Kelly Lowery:

Hall Environmental Analysis Laboratory received 12 sample(s) on 8/29/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Burrow Flats 6 Inch

**Project:** 

**Analytical Report** Lab Order 2308F14

Date Reported: 9/8/2023

**Client Sample ID: SW-4** Collection Date: 8/25/2023 8:57:00 AM Received Date: 8/29/2023 7:55:00 AM

Lab ID: 2308F14-001	Matrix: SOIL	Rece	eived Date:	8/29/2	023 7:55:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL R	ANGE ORGANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	8/29/2023 11:44:48 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	8/29/2023 11:44:48 AM
Surr: DNOP	97.0	69-147	%Rec	1	8/29/2023 11:44:48 AM
EPA METHOD 8015D: GASOLINE F	RANGE				Analyst: CCM
Gasoline Range Organics (GRO)	ND	3.7	mg/Kg	1	8/29/2023 1:30:00 PM
Surr: BFB	101	15-244	%Rec	1	8/29/2023 1:30:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 18

Burrow Flats 6 Inch

2308F14-002

**Project:** 

Lab ID:

**Analytical Report** Lab Order 2308F14

Date Reported: 9/8/2023

## Hall Environmental Analysis Laboratory, Inc.

**Client Sample ID: SW-2** Collection Date: 8/25/2023 9:00:00 AM

Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	Analyst: PRD				
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	8/29/2023 12:08:37 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	8/29/2023 12:08:37 PM
Surr: DNOP	93.2	69-147	%Rec	1	8/29/2023 12:08:37 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.5	mg/Kg	1	8/29/2023 1:51:00 PM
Surr: BFB	99.3	15-244	%Rec	1	8/29/2023 1:51:00 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	8/29/2023 5:33:48 PM

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 2 of 18

Chloride

**Analytical Report** Lab Order 2308F14

8/29/2023 2:13:00 PM

8/29/2023 2:13:00 PM

8/29/2023 6:11:02 PM

Analyst: SNS

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/8/2023

CLIENT	: Ensolum LLC	Client Sample ID: FS-1					
<b>Project:</b>	Burrow Flats 6 Inch	Collection Date: 8/25/2023 9:15:00 AN           Matrix: SOIL         Received Date: 8/29/2023 7:55:00 AN					
Lab ID:	2308F14-003						
Analyses		Result	RL Qu	al Units	DF	Date Analyzed	
EPA ME	THOD 8015M/D: DIESEL RA	ANGE ORGANICS				Analyst: PRD	
Diesel R	ange Organics (DRO)	ND	9.6	mg/Kg	1	8/29/2023 1:20:01 PM	
Motor O	il Range Organics (MRO)	ND	48	mg/Kg	1	8/29/2023 1:20:01 PM	
Surr:	DNOP	102	69-147	%Rec	1	8/29/2023 1:20:01 PM	
EPA ME	THOD 8015D: GASOLINE R	ANGE				Analyst: CCM	

3.3

60

15-244

mg/Kg

%Rec

mg/Kg

1

1

20

ND

99.3

290

#### Surr: BFB **EPA METHOD 300.0: ANIONS**

Gasoline Range Organics (GRO)

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range Reporting Limit
- RL

Page 3 of 18

Burrow Flats 6 Inch

2308F14-004

**Project:** 

Lab ID:

**Analytical Report** Lab Order 2308F14

Date Reported: 9/8/2023

Hall Environmental	Analysis	Laboratory,	Inc.
	•	• •	

**Client Sample ID:** FS-2 Collection Date: 8/25/2023 9:22:00 AM

Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANG	Analyst: PRD				
Diesel Range Organics (DRO)	ND	8.8	mg/Kg	1	8/29/2023 1:43:48 PM
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	8/29/2023 1:43:48 PM
Surr: DNOP	105	69-147	%Rec	1	8/29/2023 1:43:48 PM
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst: CCN
Gasoline Range Organics (GRO)	ND	4.0	mg/Kg	1	8/29/2023 2:35:00 PM
Surr: BFB	96.6	15-244	%Rec	1	8/29/2023 2:35:00 PM

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- ND PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Project: Burrow Flats 6 Inch

Analytical Report Lab Order 2308F14

## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/8/2023 Client Sample ID: FS-4 Collection Date: 8/25/2023 11:47:00 AM

Ligett Durien Lines e men						
Lab ID: 2308F14-005	Matrix: SOIL	Received Date: 8/29/2023 7:55:00 AM				
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst: PRD	
Diesel Range Organics (DRO)	58	9.0	mg/Kg	1	8/29/2023 2:07:37 PM	
Motor Oil Range Organics (MRO)	48	45	mg/Kg	1	8/29/2023 2:07:37 PM	
Surr: DNOP	97.3	69-147	%Rec	1	8/29/2023 2:07:37 PM	
EPA METHOD 8015D: GASOLINE R	ANGE				Analyst: KMN	
Gasoline Range Organics (GRO)	ND	4.2	mg/Kg	1	8/30/2023 12:10:00 PM	
Surr: BFB	97.7	15-244	%Rec	1	8/30/2023 12:10:00 PM	
EPA METHOD 8021B: VOLATILES					Analyst: KMN	
Benzene	ND	0.021	mg/Kg	1	8/30/2023 12:10:00 PM	
Toluene	ND	0.042	mg/Kg	1	8/30/2023 12:10:00 PM	
Ethylbenzene	ND	0.042	mg/Kg	1	8/30/2023 12:10:00 PM	
Xylenes, Total	ND	0.084	mg/Kg	1	8/30/2023 12:10:00 PM	
Surr: 4-Bromofluorobenzene	92.9	39.1-146	%Rec	1	8/30/2023 12:10:00 PM	
EPA METHOD 300.0: ANIONS					Analyst: SNS	
Chloride	250	60	mg/Kg	20	8/29/2023 6:23:26 PM	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 18

**Project:** Burrow Flats 6 Inch

**Analytical Report** Lab Order 2308F14

## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/8/2023 **Client Sample ID: FS-5** Collection Date: 8/25/2023 11:48:00 AM

Durlow Flats o men		Cone	cuon Ducc.	0/25/2	023 II. 10.00 I III	
Lab ID: 2308F14-006	Matrix: SOIL	Received Date: 8/29/2023 7:55:00 AM				
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RA	ANGE ORGANICS				Analyst: PRD	
Diesel Range Organics (DRO)	ND	8.7	mg/Kg	1	8/29/2023 2:31:26 PM	
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	8/29/2023 2:31:26 PM	
Surr: DNOP	96.8	69-147	%Rec	1	8/29/2023 2:31:26 PM	
EPA METHOD 8015D: GASOLINE R	ANGE				Analyst: CCM	
Gasoline Range Organics (GRO)	ND	3.8	mg/Kg	1	8/29/2023 3:19:00 PM	
Surr: BFB	98.8	15-244	%Rec	1	8/29/2023 3:19:00 PM	
EPA METHOD 8021B: VOLATILES					Analyst: CCM	
Benzene	ND	0.019	mg/Kg	1	8/29/2023 3:19:00 PM	
Toluene	ND	0.038	mg/Kg	1	8/29/2023 3:19:00 PM	
Ethylbenzene	ND	0.038	mg/Kg	1	8/29/2023 3:19:00 PM	
Xylenes, Total	ND	0.076	mg/Kg	1	8/29/2023 3:19:00 PM	
Surr: 4-Bromofluorobenzene	93.4	39.1-146	%Rec	1	8/29/2023 3:19:00 PM	
EPA METHOD 300.0: ANIONS					Analyst: SNS	
Chloride	65	60	mg/Kg	20	8/29/2023 7:25:29 PM	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

- н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 6 of 18

**Analytical Report** Lab Order 2308F14

## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/8/2023 **Client Sample ID: SW-6** 

Project:	Burrow Flats 6 Inch	Collection Date: 8/25/2023 11:52:00 AM					
Lab ID:	2308F14-007	Matrix: SOIL	<b>Received Date:</b> 8/29/2023 7:55:00 AM				
Analyses		Result	RL Qual	Units	DF	Date Analyzed	
EPA ME	THOD 8015M/D: DIESEL RA	ANGE ORGANICS				Analyst: PRD	
Diesel R	ange Organics (DRO)	ND	9.7	mg/Kg	1	8/29/2023 2:55:23 PM	
Motor Oi	I Range Organics (MRO)	ND	48	mg/Kg	1	8/29/2023 2:55:23 PM	
Surr: [	DNOP	94.0	69-147	%Rec	1	8/29/2023 2:55:23 PM	
EPA ME	THOD 8015D: GASOLINE R	ANGE				Analyst: CCM	
Gasoline	Range Organics (GRO)	ND	3.6	mg/Kg	1	8/29/2023 4:02:00 PM	
Surr: E	3FB	99.8	15-244	%Rec	1	8/29/2023 4:02:00 PM	
EPA ME	THOD 8021B: VOLATILES					Analyst: CCM	
Benzene		ND	0.018	mg/Kg	1	8/29/2023 4:02:00 PM	
Toluene		ND	0.036	mg/Kg	1	8/29/2023 4:02:00 PM	
Ethylben	zene	ND	0.036	mg/Kg	1	8/29/2023 4:02:00 PM	
Xylenes,	Total	ND	0.072	mg/Kg	1	8/29/2023 4:02:00 PM	
Surr: 4	4-Bromofluorobenzene	94.0	39.1-146	%Rec	1	8/29/2023 4:02:00 PM	
EPA ME	THOD 300.0: ANIONS					Analyst: SNS	
Chloride		210	60	mg/Kg	20	8/29/2023 7:37:54 PM	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

\* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

н

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated. S

- Analyte detected in the associated Method Blank в
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 7 of 18

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Burrow Flats 6 Inch

**Project:** 

**Analytical Report** Lab Order 2308F14

Date Reported: 9/8/2023

## Hall Environmental Analysis Laboratory, Inc.

**Client Sample ID: SW-7** Collection Date: 8/25/2023 11:46:00 AM Received Date: 8/29/2023 7:55:00 AM

Lab ID: 2308F14-008	Matrix: SOIL	Rece	eived Date:	8/29/2	023 7:55:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst: PRD
Diesel Range Organics (DRO)	83	9.6	mg/Kg	1	8/29/2023 3:19:09 PM
Motor Oil Range Organics (MRO)	57	48	mg/Kg	1	8/29/2023 3:19:09 PM
Surr: DNOP	78.7	69-147	%Rec	1	8/29/2023 3:19:09 PM
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.4	mg/Kg	1	8/30/2023 12:32:00 PM
Surr: BFB	96.6	15-244	%Rec	1	8/30/2023 12:32:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.022	mg/Kg	1	8/30/2023 12:32:00 PM
Toluene	ND	0.044	mg/Kg	1	8/30/2023 12:32:00 PM
Ethylbenzene	ND	0.044	mg/Kg	1	8/30/2023 12:32:00 PM
Xylenes, Total	ND	0.089	mg/Kg	1	8/30/2023 12:32:00 PM
Surr: 4-Bromofluorobenzene	93.5	39.1-146	%Rec	1	8/30/2023 12:32:00 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	320	60	mg/Kg	20	8/29/2023 7:50:19 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 8 of 18

Project: Burrow Flats 6 Inch

**Analytical Report** Lab Order 2308F14

## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/8/2023 **Client Sample ID: SW-8** Collection Date: 8/25/2023 11:51:00 AM

Lab ID: 2308F14-009	Matrix: SOIL	Received Date: 8/29/2023 7:55:00 AM				
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RAM	IGE ORGANICS				Analyst: PRD	
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	8/29/2023 3:42:57 PM	
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	8/29/2023 3:42:57 PM	
Surr: DNOP	85.2	69-147	%Rec	1	8/29/2023 3:42:57 PM	
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: CCM	
Gasoline Range Organics (GRO)	ND	4.1	mg/Kg	1	8/29/2023 4:46:00 PM	
Surr: BFB	103	15-244	%Rec	1	8/29/2023 4:46:00 PM	
EPA METHOD 8021B: VOLATILES					Analyst: CCM	
Benzene	ND	0.021	mg/Kg	1	8/29/2023 4:46:00 PM	
Toluene	ND	0.041	mg/Kg	1	8/29/2023 4:46:00 PM	
Ethylbenzene	ND	0.041	mg/Kg	1	8/29/2023 4:46:00 PM	
Xylenes, Total	ND	0.082	mg/Kg	1	8/29/2023 4:46:00 PM	
Surr: 4-Bromofluorobenzene	95.2	39.1-146	%Rec	1	8/29/2023 4:46:00 PM	
EPA METHOD 300.0: ANIONS					Analyst: SNS	
Chloride	140	60	mg/Kg	20	8/29/2023 8:02:43 PM	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

н

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated. S

- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 9 of 18

Burrow Flats 6 Inch

2308F14-010

**Project:** 

Lab ID:

**Analytical Report** Lab Order 2308F14

Date Reported: 9/8/2023

## Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW-9 Collection Date: 8/25/2023 11:49:00 AM Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst: PRD
Diesel Range Organics (DRO)	72	8.6	mg/Kg	1	8/29/2023 4:06:48 PM
Motor Oil Range Organics (MRO)	54	43	mg/Kg	1	8/29/2023 4:06:48 PM
Surr: DNOP	92.2	69-147	%Rec	1	8/29/2023 4:06:48 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.0	mg/Kg	1	8/29/2023 5:08:00 PM
Surr: BFB	97.9	15-244	%Rec	1	8/29/2023 5:08:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.020	mg/Kg	1	8/29/2023 5:08:00 PM
Toluene	ND	0.040	mg/Kg	1	8/29/2023 5:08:00 PM
Ethylbenzene	ND	0.040	mg/Kg	1	8/29/2023 5:08:00 PM
Xylenes, Total	ND	0.081	mg/Kg	1	8/29/2023 5:08:00 PM
Surr: 4-Bromofluorobenzene	91.9	39.1-146	%Rec	1	8/29/2023 5:08:00 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	180	60	mg/Kg	20	8/29/2023 8:15:08 PM

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated. S

- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 10 of 18

Burrow Flats 6 Inch

**Project:** 

**Analytical Report** Lab Order 2308F14

Date Reported: 9/8/2023

Client Sample ID: Sour L Collection Date: 8/25/2023 9:08:00 AM Received Date: 8/29/2023 7:55:00 AM

Lab ID:	2308F14-011	Matrix: SOIL	Received Date: 8/29/2023 7:55:00 AM				
Analyses		Result	RL (	Qual Units	DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH	
Diesel Ra	ange Organics (DRO)	ND	9.6	mg/Kg	1	8/31/2023 10:40:59 AM	
Motor Oil	Range Organics (MRO)	ND	48	mg/Kg	1	8/31/2023 10:40:59 AM	
Surr: E	DNOP	107	69-147	%Rec	1	8/31/2023 10:40:59 AM	
EPA MET	THOD 8015D: GASOLINE	RANGE				Analyst: CCM	
Gasoline	Range Organics (GRO)	ND	3.7	mg/Kg	1	8/29/2023 5:30:00 PM	
Surr: E	BFB	102	15-244	%Rec	1	8/29/2023 5:30:00 PM	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

\* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

- н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 11 of 18

Burrow Flats 6 Inch

2308F14-012

**Project:** 

Lab ID:

Analytical Report Lab Order 2308F14

Date Reported: 9/8/2023

## Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: STP-3 Collection Date: 8/25/2023 12:35:00 PM Received Date: 8/29/2023 7:55:00 AM

Analyses	Result	RL (	Qual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst: PRD
Diesel Range Organics (DRO)	14	9.1	mg/Kg	1	8/29/2023 4:54:29 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	8/29/2023 4:54:29 PM
Surr: DNOP	74.9	69-147	%Rec	1	8/29/2023 4:54:29 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	8/30/2023 12:54:00 PM
Surr: BFB	102	15-244	%Rec	1	8/30/2023 12:54:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.023	mg/Kg	1	8/30/2023 12:54:00 PM
Toluene	ND	0.046	mg/Kg	1	8/30/2023 12:54:00 PM
Ethylbenzene	ND	0.046	mg/Kg	1	8/30/2023 12:54:00 PM
Xylenes, Total	ND	0.091	mg/Kg	1	8/30/2023 12:54:00 PM
Surr: 4-Bromofluorobenzene	94.9	39.1-146	%Rec	1	8/30/2023 12:54:00 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	170	60	mg/Kg	20	8/29/2023 8:27:33 PM

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Released to Imaging: 11/28/2023 8:15:51 AM

Client: Project:		olum LLC row Flats 6 Inch									
Sample ID:	MB-77171	SampTy	/pe: mb	lk	Tes	tCode: EP	A Method	300.0: Anions	;		
Client ID:	PBS	Batch	ID: 771	71	F	RunNo: <b>99</b>	340				
Prep Date:	8/29/2023	Analysis Da	ate: <b>8/</b> 2	29/2023	S	SeqNo: <b>36</b>	24625	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-77171	SampTy	/pe: <b>lcs</b>		Tes	tCode: EP	A Method	300.0: Anions	5		
Client ID:	LCSS	Batch	ID: 771	71	F	RunNo: <b>9</b> 9	340				
Prep Date:	8/29/2023	Analysis Da	ate: <b>8/</b> 2	29/2023	S	SeqNo: <b>36</b>	24626	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	92.9	90	110			

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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2308F14

08-Sep-23

WO#:

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc

	WO#:	2308F14
nc.		08-Sep-23

Client: Ensolum	LLC			
<b>Project:</b> Burrow F	lats 6 Inch			
Sample ID: MB-77155	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organ	ics
Client ID: PBS	Batch ID: 77155	RunNo: 99310		
Prep Date: 8/29/2023	Analysis Date: 8/29/2023	SeqNo: 3627055	Units: <b>mg/Kg</b>	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDI	Limit Qual
Diesel Range Organics (DRO)	ND 10			
Motor Oil Range Organics (MRO) Surr: DNOP	ND 50 8.6 10.00	85.7 69	147	
				1
Sample ID: LCS-77155	SampType: LCS		8015M/D: Diesel Range Organ	ics
Client ID: LCSS	Batch ID: 77155	RunNo: 99310		
Prep Date: 8/29/2023	Analysis Date: 8/29/2023	SeqNo: 3627056	Units: <b>mg/Kg</b>	
Analyte		SPK Ref Val %REC LowLimit	HighLimit %RPD RPD	Limit Qual
Diesel Range Organics (DRO) Surr: DNOP	45 10 50.00 4.1 5.000	0 89.8 61.9 81.4 69	130 147	
Sample ID: 2308F14-012AMS Client ID: STP-3	SampType: <b>MS</b> Batch ID: <b>77155</b>	RunNo: 99310	8015M/D: Diesel Range Organ	ics
Prep Date: 8/29/2023	Analysis Date: 8/29/2023	SeqNo: 3627071	Units: <b>mg/Kg</b>	
Analyte Diesel Range Organics (DRO)	Result PQL SPK value 53 9.3 46.51	SPK Ref Val         %REC         LowLimit           13.87         84.7         54.2	HighLimit %RPD RPDI 135	Limit Qual
Surr: DNOP	3.6 4.651	77.3 69	147	
Sample ID: 2308F14-012AMSD	SampType: MSD	TestCode: EPA Method	8015M/D: Diesel Range Organ	ics
Client ID: STP-3	Batch ID: <b>77155</b>	RunNo: 99310		
Prep Date: 8/29/2023	Analysis Date: 8/29/2023	SeqNo: 3627072	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPD	Limit Qual
Diesel Range Organics (DRO)	54 9.8 49.07	13.87 80.8 54.2	135 0.435 2	29.2
Surr: DNOP	3.7 4.907	76.2 69	147 0	0
Sample ID: MB-77236	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organ	ics
Client ID: PBS	Batch ID: 77236	RunNo: 99395		
Prep Date: 8/31/2023	Analysis Date: 8/31/2023	SeqNo: 3627861	Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPD	Limit Qual
Surr: DNOP	9.6 10.00	95.6 69	147	
Sample ID: LCS-77236	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organ	ics
Client ID: LCSS	Batch ID: 77236	RunNo: 99395		
Prep Date: 8/31/2023	Analysis Date: 8/31/2023	SeqNo: 3627862	Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPD	Limit Qual
,			<b>5</b>	

Qualifiers:

\* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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QC SUMMARY REPORT	WO#:	2308F14
Hall Environmental Analysis Laboratory, Inc.		08-Sep-23

Client: Project:		m LLC / Flats 6 Inch	L								
Sample ID: LC	CS-77236	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: LC	CSS	Batch	ID: 77	236	F	RunNo: <b>9</b> 9	9395				
Prep Date: 8	3/31/2023	Analysis D	ate: 8/	31/2023	S	SeqNo: 36	627862	Units: %Rec	;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		4.6		5.000		92.0	69	147			

#### Qualifiers:

- Value exceeds Maximum Contaminant Level. \*
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Ensolum LLC

Burrow Flats 6 Inch

**Client:** 

**Project:** 

Sample ID: 2.5ug gro Ics

# **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

SampType: LCS

<b>Released to Imaging:</b>	11/28/2023	8:15:51 AM

Client ID: LCSS	Batch ID:	GS99322	F	RunNo: <b>99</b>	322		-		
Prep Date:	Analysis Date:	8/29/2023	5	SeqNo: 36	23514	Units: mg/Kg	9		
Analyte	Result PQ	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25 5		0	98.8	70	130			
Surr: BFB	2100	1000		215	15	244			
Sample ID: <b>mb</b>	SampType:	MBLK	Tes	tCode: EF	A Method	8015D: Gasoli	ine Range	•	
Client ID: PBS	Batch ID:	GS99322	F	RunNo: <b>99</b>	322				
Prep Date:	Analysis Date:	8/29/2023	5	SeqNo: 36	23516	Units: mg/Kg	9		
Analyte	Result PQ	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND 5	-							
Surr: BFB	1000	1000		99.5	15	244			
Sample ID: 2.5ug gro Ics	SampType:	CS	Tes	tCode: EF	A Method	8015D: Gasoli	ine Range	•	
Client ID: LCSS	Batch ID:	R99356	F	RunNo: <b>99</b>	356				
Prep Date:	Analysis Date:	8/30/2023	5	SeqNo: 36	25421	Units: %Rec			
Analyte	Result PQ	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	2200	1000		220	15	244			
				-	-				
Sample ID: MB	SampType:		Tes	tCode: EF	A Method	8015D: Gasoli	ne Range	9	
Sample ID: MB Client ID: PBS	SampType: Batch ID:	MBLK		tCode: EF		8015D: Gasoli	ine Range	1	
		MBLK R99356	F		356	8015D: Gasoli Units: %Rec	ne Range		
Client ID: PBS	Batch ID:	MBLK R99356 8/30/2023	F	RunNo: <b>99</b>	356		ne Range %RPD	RPDLimit	Qual
Client ID: <b>PBS</b> Prep Date:	Batch ID: Analysis Date:	MBLK R99356 8/30/2023	F	8unNo: <b>99</b> SeqNo: <b>36</b>	)356 )25422	Units: % <b>Rec</b>	U		Qual
Client ID: <b>PBS</b> Prep Date: Analyte	Batch ID: Analysis Date: Result PQ	MBLK R99356 8/30/2023 	F SPK Ref Val	RunNo: 99 SeqNo: 36 <u>%REC</u> 98.3	0356 625422 LowLimit 15	Units: <b>%Rec</b> HighLimit	%RPD	RPDLimit	Qual
Client ID: <b>PBS</b> Prep Date: Analyte Surr: BFB	Batch ID: Analysis Date: Result PQ 980	MBLK R99356 8/30/2023 	F SPK Ref Val Tes	RunNo: 99 SeqNo: 36 <u>%REC</u> 98.3	2356 225422 LowLimit 15 24 Method	Units: <b>%Rec</b> HighLimit 244	%RPD	RPDLimit	Qual
Client ID: PBS Prep Date: Analyte Surr: BFB Sample ID: 2.5ug gro Ics	Batch ID: Analysis Date: Result PQ 980 SampType:	MBLK R99356 8/30/2023 - SPK value 1000 LCS R99356	F SPK Ref Val Tes F	RunNo: 99 SeqNo: 36 <u>%REC</u> 98.3 tCode: EF	2356 525422 LowLimit 15 24 Method 3356	Units: <b>%Rec</b> HighLimit 244	%RPD	RPDLimit	Qual
Client ID: PBS Prep Date: Analyte Surr: BFB Sample ID: 2.5ug gro Ics Client ID: LCSS	Batch ID: Analysis Date: Result PQ 980 SampType: Batch ID:	MBLK R99356 8/30/2023 - SPK value 1000 -CS R99356 8/30/2023	F SPK Ref Val Tes F	RunNo: 99 SeqNo: 36 <u>%REC</u> 98.3 tCode: EF RunNo: 99	2356 525422 LowLimit 15 24 Method 3356	Units: %Rec HighLimit 244 8015D: Gasoli	%RPD	RPDLimit	Qual
Client ID: PBS Prep Date: Analyte Surr: BFB Sample ID: 2.5ug gro Ics Client ID: LCSS Prep Date:	Batch ID: Analysis Date: Result PQ 980 SampType: Batch ID: Analysis Date:	MBLK R99356 8/30/2023 - SPK value 1000 -CS R99356 8/30/2023	F SPK Ref Val Tes F S	RunNo: 99 SeqNo: 36 %REC 98.3 tCode: EF RunNo: 99 SeqNo: 36	2356 225422 15 24 Method 2356 225694	Units: %Rec HighLimit 244 8015D: Gasoli Units: %Rec	%RPD	RPDLimit	
Client ID: PBS Prep Date: Analyte Surr: BFB Sample ID: 2.5ug gro Ics Client ID: LCSS Prep Date: Analyte	Batch ID: Analysis Date: Result PQ 980 SampType: Batch ID: Analysis Date: Result PQ	MBLK R99356 8/30/2023 - SPK value 1000 -CS R99356 8/30/2023 - SPK value 1000	F SPK Ref Val Tes F SPK Ref Val	RunNo: 99 SeqNo: 36 %REC 98.3 tCode: EF RunNo: 99 SeqNo: 36 %REC 212	2356 225422 LowLimit 15 24 Method 3356 325694 LowLimit 15	Units: %Rec HighLimit 244 8015D: Gasoli Units: %Rec HighLimit	%RPD	RPDLimit RPDLimit	
Client ID: PBS Prep Date: Analyte Surr: BFB Sample ID: 2.5ug gro Ics Client ID: LCSS Prep Date: Analyte Surr: BFB	Batch ID: Analysis Date: Result PQI 980 SampType: Batch ID: Analysis Date: Result PQI 2100	MBLK R99356 8/30/2023 - SPK value 1000 CS R99356 8/30/2023 - SPK value 1000 MBLK	F SPK Ref Val Tes SPK Ref Val Tes	RunNo: 99 SeqNo: 36 %REC 98.3 tCode: EF RunNo: 99 SeqNo: 36 %REC 212	2356 225422 LowLimit 15 24 Method 356 325694 LowLimit 15 24 Method	Units: %Rec HighLimit 244 8015D: Gasoli Units: %Rec HighLimit 244	%RPD	RPDLimit RPDLimit	
Client ID: PBS Prep Date: Analyte Surr: BFB Sample ID: 2.5ug gro Ics Client ID: LCSS Prep Date: Analyte Surr: BFB Sample ID: mb	Batch ID: Analysis Date: Result PQI 980 SampType: Batch ID: Analysis Date: Result PQI 2100 SampType:	MBLK R99356 8/30/2023 - SPK value 1000 -CS R99356 8/30/2023 - SPK value 1000 MBLK R99356	F SPK Ref Val Tes SPK Ref Val Tes F	RunNo: 99 SeqNo: 36 %REC 98.3 tCode: EF RunNo: 99 SeqNo: 36 %REC 212 tCode: EF	2356 225422 LowLimit 15 24 Method 3356 225694 LowLimit 15 24 Method 3356	Units: %Rec HighLimit 244 8015D: Gasoli Units: %Rec HighLimit 244	%RPD	RPDLimit RPDLimit	
Client ID: PBS Prep Date: Analyte Surr: BFB Sample ID: 2.5ug gro Ics Client ID: LCSS Prep Date: Analyte Surr: BFB Sample ID: mb Client ID: PBS	Batch ID: Analysis Date: Result PQI 980 SampType: Batch ID: Analysis Date: Result PQI 2100 SampType: Batch ID:	MBLK R99356 8/30/2023 SPK value 1000 CS R99356 8/30/2023 SPK value 1000 MBLK R99356 8/30/2023	F SPK Ref Val Tes SPK Ref Val Tes F	RunNo: 99 SeqNo: 36 %REC 98.3 tCode: EF RunNo: 99 SeqNo: 36 %REC 212 tCode: EF	2356 225422 LowLimit 15 24 Method 3356 225694 LowLimit 15 24 Method 3356	Units: %Rec HighLimit 244 8015D: Gasoli Units: %Rec HighLimit 244 8015D: Gasoli	%RPD	RPDLimit RPDLimit	

TestCode: EPA Method 8015D: Gasoline Range

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- в Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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#### WO#: 2308F14

Ensolum LLC

Burrow Flats 6 Inch

**Client:** 

**Project:** 

Client ID:

Prep Date:

Analyte

Benzene

Toluene

Ethylbenzene

Sample ID: 100ng btex lcs

LCSS

# **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

Result

1.0

1.0

1.0

SampType: LCS

Batch ID: BS99322

Analysis Date: 8/29/2023

PQL

0.025

0.050

0.050

SPK value

1.000

1.000

1.000

SPK Ref Val

0

0

0

0.92

Xylenes, Total Surr: 4-Bromofluorobenzene	3.1 0.95	0.10	3.000 1.000	0	104 94.9	70 39.1	130 146			
Sample ID: mb	Samp	Туре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batc	h ID: <b>BS</b>	99322	F	RunNo: <b>9</b>	9322				
Prep Date:	Analysis I	Date: <b>8/</b> 2	29/2023	S	SeqNo: 3	623591	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.93		1.000		93.1	39.1	146			
Sample ID: 2308F14-001ams	Samp	Type: MS	5	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: SW-4	Batc	h ID: <b>BS</b>	99322	F	RunNo: <b>9</b>	9322				
Prep Date:	Analysis I	Date: <b>8/</b> 2	29/2023	S	SeqNo: 3	623604	Units: mg/K	(g		
		DO1				1	Light imit	%RPD	RPDLimit	Qual
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLIMI	Qual
Analyte Methyl tert-butyl ether (MTBE)	Result 0.98	PQL 0.10	5PK Value 1.000	SPK Rer Val	%REC 97.9	LowLimit 70	HighLinit 130	%RPD	RPDLIMI	Quai
,							0	%RPD	RPDLIMI	Quai
Methyl tert-butyl ether (MTBE)	0.98	0.10	1.000	0	97.9	70	130	%RPD	RPDLIMI	Quai
Methyl tert-butyl ether (MTBE) Benzene	0.98 1.0	0.10 0.025	1.000 1.000	0 0	97.9 105	70 70	130 130	%RPD	RPDLIMI	Quai
Methyl tert-butyl ether (MTBE) Benzene Toluene	0.98 1.0 1.1	0.10 0.025 0.050	1.000 1.000 1.000	0 0 0	97.9 105 105	70 70 70	130 130 130	%RPU	RPDLIMI	Quai
Methyl tert-butyl ether (MTBE) Benzene Toluene Ethylbenzene	0.98 1.0 1.1 1.1	0.10 0.025 0.050 0.050	1.000 1.000 1.000 1.000	0 0 0 0	97.9 105 105 107	70 70 70 70	130 130 130 130 130	‰RPU	RPDLimit	Quai
Methyl tert-butyl ether (MTBE) Benzene Toluene Ethylbenzene Xylenes, Total	0.98 1.0 1.1 1.1 3.2 0.93	0.10 0.025 0.050 0.050	1.000 1.000 1.000 1.000 3.000 1.000	0 0 0 0	97.9 105 105 107 107 92.8	70 70 70 70 70 39.1	130 130 130 130 130 130		RPDLimit	Qua
Methyl tert-butyl ether (MTBE) Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	0.98 1.0 1.1 1.1 3.2 0.93	0.10 0.025 0.050 0.050 0.10	1.000 1.000 1.000 1.000 3.000 1.000	0 0 0 0 0 Tes	97.9 105 105 107 107 92.8	70 70 70 70 70 39.1 PA Method	130 130 130 130 130 130 146		RPDLIMI	QUA
Methyl tert-butyl ether (MTBE) Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2308F14-001AMSE	0.98 1.0 1.1 1.1 3.2 0.93	0.10 0.025 0.050 0.050 0.10 Type: <b>MS</b>	1.000 1.000 1.000 3.000 1.000 5D 99322	0 0 0 0 7es F	97.9 105 105 107 107 92.8 tCode: <b>EI</b>	70 70 70 70 39.1 PA Method 9322	130 130 130 130 130 130 146	iles	RPDLimit	Quai
Methyl tert-butyl ether (MTBE) Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2308F14-001AMSE Client ID: SW-4	0.98 1.0 1.1 1.1 3.2 0.93 Samp <sup>*</sup> Batc	0.10 0.025 0.050 0.050 0.10 Type: <b>MS</b>	1.000 1.000 1.000 3.000 1.000 5D 99322	0 0 0 0 7es F	97.9 105 105 107 107 92.8 tCode: <b>El</b>	70 70 70 70 39.1 PA Method 9322	130 130 130 130 130 130 146 8021B: Volat	iles	RPDLimit	Qual
Methyl tert-butyl ether (MTBE) Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2308F14-001AMSE Client ID: SW-4 Prep Date:	0.98 1.0 1.1 1.1 3.2 0.93 0 Samp <sup>-</sup> Batc Analysis I	0.10 0.025 0.050 0.050 0.10 Type: <b>MS</b> h ID: <b>BS</b> Date: <b>8</b> /2	1.000 1.000 1.000 3.000 1.000 5D 99322 29/2023	0 0 0 0 0 Tes F	97.9 105 105 107 107 92.8 tCode: El RunNo: 99 SeqNo: 30	70 70 70 70 39.1 PA Method 9322 623605	130 130 130 130 130 130 146 8021B: Volat Units: mg/K	iles Sg		
Methyl tert-butyl ether (MTBE) Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2308F14-001AMSE Client ID: SW-4 Prep Date: Analyte	0.98 1.0 1.1 3.2 0.93 0 Samp <sup>-</sup> Batc Analysis I Result	0.10 0.025 0.050 0.10 Type: <b>MS</b> h ID: <b>BS</b> Date: <b>8</b> /2 PQL	1.000 1.000 1.000 3.000 1.000 <b>5D</b> <b>99322</b> <b>29/2023</b> SPK value	0 0 0 0 Tes F SPK Ref Val	97.9 105 105 107 107 92.8 tCode: <b>El</b> RunNo: <b>9</b> SeqNo: <b>3</b> %REC	70 70 70 39.1 PA Method 9322 623605 LowLimit	130 130 130 130 130 146 8021B: Volat Units: mg/K HighLimit	iles Sg %RPD	RPDLimit	
Methyl tert-butyl ether (MTBE) Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2308F14-001AMSE Client ID: SW-4 Prep Date: Analyte Benzene	0.98 1.0 1.1 1.1 3.2 0.93 0 Samp <sup>-</sup> Batc Analysis I Result 1.0	0.10 0.025 0.050 0.050 0.10 Type: <b>MS</b> h ID: <b>BS</b> Date: <b>8</b> /2 PQL 0.025	1.000 1.000 1.000 3.000 1.000 5D 99322 29/2023 SPK value 1.000	0 0 0 0 Tes F SPK Ref Val 0	97.9 105 105 107 92.8 tCode: El RunNo: 99 SeqNo: 30 %REC 104	70 70 70 39.1 PA Method 9322 623605 LowLimit 70	130 130 130 130 130 130 146 8021B: Volat Units: mg/K HighLimit 130	iles 5g %RPD 1.29	RPDLimit 20	

TestCode: EPA Method 8021B: Volatiles

LowLimit

70

70

70

Units: mg/Kg

130

130

130

%RPD

RPDLimit

HighLimit

RunNo: 99322

%REC

101

101

103

SeqNo: 3623590

#### **Qualifiers:**

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND Practical Quanitative Limit
- PQL

Surr: 4-Bromofluorobenzene

- % Recovery outside of standard limits. If undiluted results may be estimated. S
- в Analyte detected in the associated Method Blank

91.7

39.1

146

0

- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Sample pH Not In Range Р
- RL Reporting Limit

1.000

Page 17 of 18

0

#### WO#: 2308F14

Qual

08-Sep-23

**Client:** 

**Project:** 

Prep Date:

Ethylbenzene

Xylenes, Total

**Qualifiers:** 

Analyte

Benzene Toluene

# **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

Project:	Burrow	v Flats 6 Incl	1								
Sample ID:	100ng btex lcs	SampT	Гуре: <b>LC</b>	s	Tes	stCode: EF	PA Method	8021B: Volati	les		
Client ID:	LCSS	Batch	h ID: <b>R9</b>	9356	F	RunNo: <b>9</b> 9	356				
Prep Date:		Analysis E	Date: <b>8/</b> 3	30/2023	S	SeqNo: 36	625434	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.94	0.025	1.000	0	94.4	70	130			
Toluene		0.95	0.050	1.000	0	95.2	70	130			
Ethylbenzene		0.97	0.050	1.000	0	97.2	70	130			
Xylenes, Total		2.9	0.10	3.000	0	97.2	70	130			
Surr: 4-Brom	nofluorobenzene	0.96		1.000		95.5	39.1	146			
Sample ID:	МВ	SampT	Гуре: <b>МЕ</b>	BLK	Tes	stCode: EF	A Method	8021B: Volati	les		
Client ID:	PBS	Batch	h ID: <b>R9</b>	9356	F	RunNo: <b>9</b> 9	356				
Prep Date:		Analysis E	Date: <b>8/</b> 3	30/2023	5	SeqNo: 36	625436	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Brom	nofluorobenzene	0.91		1.000		91.1	39.1	146			
Sample ID:	100ng btex lcs	SampT	Type: LC	s	Tes	stCode: EF	A Method	8021B: Volati	iles		
Client ID:	LCSS	Batcl	h ID: R9	9356	F	RunNo: <b>99</b>	356				
Prep Date:		Analysis E	Date: 8/3	30/2023	S	SeqNo: <b>36</b>	625736	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.95	0.025	1.000	0	95.4	70	130			
Toluene		0.97	0.050	1.000	0	96.5	70	130			
Ethylbenzene		0.98	0.050	1.000	0	97.6	70	130			
Xylenes, Total		2.9	0.10	3.000	0	97.9	70	130			
Surr: 4-Brom	nofluorobenzene	0.94		1.000		94.3	39.1	146			
Sample ID:	mb	SampT	Гуре: МЕ	BLK	Tes	tCode: EF	A Method	8021B: Volati	les		
Client ID:	PBS	Batch	h ID: <b>R9</b>	9356	F	RunNo: <b>9</b> 9	356				

Ensolum LLC

WO#: 2308F14 08-Sep-23

в Analyte detected in the associated Method Blank

Е Above Quantitation Range/Estimated Value

- J Analyte detected below quantitation limits
- Sample pH Not In Range Р

RL Reporting Limit

SPK value SPK Ref Val %REC

Page 18 of 18

39.1 146

Units: mg/Kg

%RPD

RPDLimit

Qual

HighLimit

91.5

SeqNo: 3625737

LowLimit

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

PQL Practical Quanitative Limit

Surr: 4-Bromofluorobenzene

% Recovery outside of standard limits. If undiluted results may be estimated. S

Analysis Date:

Result

ND

ND

ND

ND

0.92

PQL

0.025

0.050

0.050

0.10

8/30/2023

1.000

HALL ENVIRONMENTAL ANALYSIS LABORATORY	TEL: 505-345-3975	4901 Hawkins N querque. NM 8716	72 09 <b>Sam</b> 07	nple Log-In C	heck List
Client Name: Ensolum LLC	Work Order Number:	2308F14		RcptNo:	1
Received By: Tracy Casarrubias 8	8/29/2023 7:55:00 AM				
Completed By: Tracy Casarrubias	8/29/2023 8:11:12 AM				
Chain of Custody					
1. Is Chain of Custody complete?		Yes 🗹	No 🗌	Not Present	
2. How was the sample delivered?		Courier			
Log In 3. Was an attempt made to cool the samples?		Yes 🗹	No 🗌		
4. Were all samples received at a temperature of	>0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗌	
5. Sample(s) in proper container(s)?		Yes 🗹	No 🗌		
6. Sufficient sample volume for indicated test(s)?		Yes 🗹	No 🗌		
$7_{\cdot}$ Are samples (except VOA and ONG) properly ${f r}$	preserved?	Yes 🗹	No 🗌		
8. Was preservative added to bottles?		Yes	No 🔽	NA 🗌	
9. Received at least 1 vial with headspace <1/4" for	or AQ VOA?	Yes 🗌	No 🗌	NA 🗹	
10. Were any sample containers received broken?		Yes	No 🗹	# of preserved bottles checked	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🗌	for pH:	>12 unless noted)
12. Are matrices correctly identified on Chain of Cu	istody?	Yes 🗹	No 🗌	Adjusted?	
13. Is it clear what analyses were requested?		Yes 🔽	No 🗌		108/29/23
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No 🗌	Checked by:	NO/01/25
Special Handling (if applicable)					
15. Was client notified of all discrepancies with this	s order?	Yes 🗌	No 🗌	NA 🗹	
Person Notified:	Date:				
By Whom:	Via:	] eMail 🔄 Pho	ne 🗌 Fax	In Person	
Regarding:					
Client Instructions:					
16. Additional remarks:					
17. <u>Cooler Information</u> Cooler No Temp ⁰C Condition Sea 1 0 Good Yes	l Intact Seal No S Yogi	eal Date S	igned By		

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Page 1 of 1

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Email: tjlong@epord.com	Enterprise Frield Services, LLU	AFENONAFE: 459612	necessary, samples submitted to Hall Environmental may be encontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report,	
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Page 106 of 116 ANALYSIS LABORATORY HALL ENVIRONMENTAL 4901 Hawkins NE - Albuquerque, NM 87109 Fax 505-345-4107 X 0:008 X X X X >5 ير X www.hallenvironmental.com Analysis Request (fotal Coliform (Present/Absent) (AOV-ime2) 07S8 (AOV) 0328 CI' E' BL' NO3' NO5' PO4' SO4 Tel. 505-345-3975 RCRA 8 Metals ĥ SMI20728 to 0168 vd aHA9 Dill La (1.40č bortheM) 803 8081 Pesticides/8082 PCB's Remarks TPH:8015D(GRO / DRO / MRO) X X × X X X × X X X K ደ BTEX / MTBE / TMB's (8021) X X × × × × X heurs Time NCD HEAL No. 2308F14 Burrow Flats GInch 3 Date & Rush 24 Cooler Temp(Including CF): 0.1-0.1= No N 900 600 Project Manager: Kelly Lowery 200 803 2004 500 500 008 (210) Q 20 110 Preservative 0381226307 Hee Ter ZCE Tce Ice Lec Net 100 20-100 SY'es Turn-Around Time: Type Project Name: Candard Standard # of Coolers: Type and # Received by: Container Project #: Sampler: On Ice: 02 01 07 204 20 20 50 0 54 2 1 2 5 3 J 2 J 2 3 J 5 0-.5 01-0 01-0 0-10 0-10 Level 4 (Full Validation) 01-0 6-10 2 Ś 601 N. Marienfeld St. Suite 400 Sample Name Depth Chain-of-Custody Record 1 11 klowery@ensolum.com 1=5-5-5 - 2 2-5-4 1-5-1 5-0-25 5.54 SW-8 Sw.9 Sw-4 24-7 Sourt 54.6 Received by OCD: 10/25/2023 8:49:14 AM Az Compliance Relinguished by: D Other 214-733-3165 Matrix Ensolum, LLC  $\sim$ 5 V 5 Mailing Address: 11217 QA/QC Package: 1152 2411 8-253 1149 1148 email or Fax#: EDD (Type) 226 0-12-8 Time 2-25-23,235 857 8-25-23 9.08 Accreditation: 8-4-23 900 8-25-3 915 8-25-25/119 Time: Standard D NELAC Phone #: 82 82 8 82-52-B Client: 12-22-8-25-23-8 4-2523 0875 Date Clar Date: Date: 



September 18, 2023

Kelly Lowery Ensolum LLC 601 Marrenfield #400 Midland, TX 79701 TEL: (214) 733-3165 FAX:

RE: Burton Flats 6 Inch

OrderNo.: 2309559

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Kelly Lowery:

Hall Environmental Analysis Laboratory received 4 sample(s) on 9/13/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

**Analytical Report** Lab Order 2309559

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/18/2023

<b>CLIENT:</b> Ensolum LLC	Client Sample ID: North-2
<b>Project:</b> Burton Flats 6 Inch	Collection Date: 9/11/2023 9:30:00 AM
<b>Lab ID:</b> 2309559-001	Matrix: MEOH (SOIL) Received Date: 9/13/2023 7:45:00 AM
Analyses	Result RL Qual Units DF Date Analyzed

EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analyst: PRD
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	9/13/2023 12:33:28 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	9/13/2023 12:33:28 PM
Surr: DNOP	86.8	69-147	%Rec	1	9/13/2023 12:33:28 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.5	mg/Kg	1	9/13/2023 2:21:00 PM
Surr: BFB	97.8	15-244	%Rec	1	9/13/2023 2:21:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 6

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2309559

Date Reported: 9/18/2023

CLIENT: Ensolum LLC		Client S	Sample ID:	FS-4	
<b>Project:</b> Burton Flats 6 Inch		Collec	ction Date:	9/11/2	023 9:35:00 AM
Lab ID: 2309559-002	Matrix: MEOH (S	OIL) Rece	ived Date:	9/13/2	023 7:45:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL R	ANGE ORGANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.2	ma/Ka	1	9/13/2023 12:44:16 PM

Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	9/13/2023 12:44:16 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	9/13/2023 12:44:16 PM
Surr: DNOP	104	69-147	%Rec	1	9/13/2023 12:44:16 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.7	mg/Kg	1	9/13/2023 3:05:00 PM
Surr: BFB	95.4	15-244	%Rec	1	9/13/2023 3:05:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

\* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 6

Motor Oil Range Organics (MRO)

Gasoline Range Organics (GRO)

**EPA METHOD 8015D: GASOLINE RANGE** 

Surr: DNOP

Surr: BFB

**Analytical Report** Lab Order 2309559

Hall Environmental Ar	alysis Laboratory, Inc.

1

1

1

1

mg/Kg

%Rec

mg/Kg

%Rec

Date Reported: 9/18/2023

9/13/2023 12:55:02 PM

9/13/2023 12:55:02 PM

9/13/2023 3:27:00 PM

9/13/2023 3:27:00 PM

Analyst: KMN

CLIENT: Ensolum LLC	Client Sample ID: SW-7					
Project: Burton Flats 6 Inch	Collection Date: 9/11/2023 11:00:00 AM					
Lab ID: 2309559-003	Matrix: MEOH (SO	OIL) Rece	ived Date:	9/13/2	2023 7:45:00 AM	
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: PRD						
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	9/13/2023 12:55:02 PM	

ND

92.9

ND

99.1

50

3.6

69-147

15-244

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 3 of 6

Motor Oil Range Organics (MRO)

Gasoline Range Organics (GRO)

**EPA METHOD 8015D: GASOLINE RANGE** 

Surr: DNOP

Surr: BFB

**Analytical Report** Lab Order 2309559

1

1

1

1

mg/Kg

%Rec

mg/Kg

%Rec

Date Reported: 9/18/2023

9/13/2023 1:05:50 PM

9/13/2023 1:05:50 PM

9/13/2023 3:49:00 PM

9/13/2023 3:49:00 PM

Analyst: KMN

CLIENT: Ensolum LLC	Client Sample ID: SW-9				
Project: Burton Flats 6 Inch	Collection Date: 9/11/2023 11:05:00 AM				
Lab ID: 2309559-004	Matrix: MEOH (SO	OIL) Rece	ived Date:	9/13/2	023 7:45:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RA	ANGE ORGANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	9/13/2023 1:05:50 PM

ND

100

ND

102

46

3.9

15-244

69-147

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 4 of 6

# **QC SUMMARY REPORT** Hall H

Page	<i>112</i>	of 116

	WO#:	2309559
Environmental Analysis Laboratory, Inc.		18-Sep-23

Client: Project:	Ensolum I Burton Fla										
Sample ID:	2309559-004AMS	SampT	уре: МS	;	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID:	SW-9	Batch	n ID: 774	475	F	RunNo: <b>9</b> 9	9659				
Prep Date:	9/13/2023	Analysis D	)ate: <b>9/</b> ′	13/2023	S	SeqNo: 36	641020	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
iesel Range (	Organics (DRO)	47	9.6	47.94	0	98.2	54.2	135			
Surr: DNOP		4.7		4.794		98.9	69	147			
Sample ID:     LCS-77475     SampType:     LCS     TestCode:     EPA Method 8015M/D: Diesel Range Organics											
Client ID:	LCSS	Batch	n ID: 774	475	F	RunNo: <b>9</b> 9	9659				
Prep Date:	9/13/2023	Analysis D	)ate: <b>9/</b> *	13/2023	S	SeqNo: <b>36</b>	641036	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
iesel Range (	Organics (DRO)	49	10	50.00	0	97.3	61.9	130			
Surr: DNOP		4.7		5.000		95.0	69	147			
Sample ID:	MB-77475	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics									
Client ID:	PBS	Batch	n ID: 774	475	RunNo: 99659						
Prep Date:	9/13/2023	Analysis D	)ate: <b>9/</b> *	13/2023	S	SeqNo: <b>36</b>	641040	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
iesel Range (	Organics (DRO)	ND	10								
lotor Oil Rang	e Organics (MRO)	ND	50								
Surr: DNOP		9.5		10.00		94.8	69	147			
Sample ID:	ample ID: 2309559-004AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics										
Client ID:	SW-9	Batch	n ID: 774	475	F	RunNo: <b>9</b> 9	9659				
Prep Date:	9/13/2023	Analysis D	)ate: <b>9/</b> *	13/2023	S	SeqNo: <b>36</b>	641449	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
•	Organics (DRO)	47	9.7	48.31	0	97.6	54.2	135	0.198	29.2	
Surr: DNOP		4.7		4.831		96.4	69	147	0	0	

#### **Qualifiers:**

- Value exceeds Maximum Contaminant Level. \*
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank В
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

	nsolum LLC arton Flats 6 Inc	h								
Sample ID: 2.5ug gro	l <b>cs</b> Samp	Type: LC	S	Tes	stCode: EF	PA Method	8015D: Gaso	line Range	1	
Client ID: LCSS	Bate	ch ID: <b>G9</b>	9658	F	RunNo: <b>9</b> 9	9658				
Prep Date:	Analysis	Date: 9/	13/2023	SeqNo: 3641041 Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (G	RO) 25	5.0	25.00	0	98.8	70	130			
Surr: BFB	2200		1000		219	15	244			
Sample ID: mb	Samp	туре: <b>МЕ</b>	BLK	Tes	stCode: EF	PA Method	8015D: Gaso	line Range	!	
Client ID: PBS	Bate	ch ID: <b>G9</b>	9658	F	RunNo: <b>9</b> 9	9658				
Prep Date:	Analysis	Date: 9/	13/2023	Ş	SeqNo: 36	641042	Units: <b>mg/k</b>	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (G	RO) ND	5.0								
Surr: BFB	1100		1000		105	15	244			

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2309559

18-Sep-23

WO#:

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Albi TEL: 505-345-3975 Website: www.ha	490 uquerqi 5 FAX: 3	1 Hawkins NE ue. NM 87109 505-345-4107	Sar	nple Log-In (	Check List
Client Name: Ensolum LLC	Work Order Number:	: 2309	9559		RcptNo	: 1
Received By: Tracy Casarrubias	9/12/2023 12:00:00 PM	VI				
Completed By: Tracy Casarrubias	9/13/2023 8:18:45 AM					
Reviewed By: H9-13.23						
Chain of Custody						
1. Is Chain of Custody complete?		Yes		No 🗌	Not Present	
2. How was the sample delivered?		Couri	ier			
Log In 3. Was an attempt made to cool the samples?		Yes		No 🗌	NA 🗌	
4. Were all samples received at a temperature of	f_>0° C to 6 0°C	Yes		No 🗌	NA 🗌	
5. Sample(s) in proper container(s)?		Yes		No 🗌		
				_		
6. Sufficient sample volume for indicated test(s)		Yes				
7. Are samples (except VOA and ONG) properly	preserved?	Yes		10 🗌	_	
8. Was preservative added to bottles?		Yes	1	No 🔽	NA 🗌	
9. Received at least 1 vial with headspace <1/4"	for AQ VOA?	Yes	n 🗌	No 🗌	NA 🗹	
10. Were any sample containers received broken	?	Yes		No 🗹	# of preserved	
11. Does paperwork match bottle labels?		Yes		No 🗌	bottles checked for pH:	. 12
(Note discrepancies on chain of custody) 12. Are matrices correctly identified on Chain of C	ustody?	Yes		No 🗌	Adjusted?	r >12 unless peted)
13. Is it clear what analyses were requested?	usiouy :	Yes				10/07
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes		10 🗌	enecked by:	719/13/23
Special Handling (if applicable)						
15. Was client notified of all discrepancies with the	is order?	Yes		No 🗌	NA 🗹	
Person Notified:	Date:					
By Whom:	Via:	] eMa	il 🗌 Phone	🗌 Fax	In Person	
Regarding:						
Client Instructions: 16. Additional remarks:						
17. Cooler InformationCooler NoTemp °CCooler NoTemp °C15.0GoodYes	al Intact Seal No S Yogi	Seal Da	ite Sign	ed By		
Page 1 of 1						

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I AM
8:15:51
11/28/2023
Imaging:
Released to

Received by OCD: 10/25/2023 8:49:14 AM Chain-of-Custodv Ro	-of-Cu	d by 0CD: 10/25/2023 8:49:14 AM Chain-of-Custody Record		Turn-Around Tim	Time:				I	HAL		1	ROT		Pag	ge 115	Page 115 of 116	16
Client: Ensolu	Ensolum, LLC			□ Standard	A Rush	del has			<	A	XS	SI	LAB	ANALYSIS LABORATORY	IO	RY		
				Project Name:					>	ww.h	allenvii	emno	www.hallenvironmental.com	Ę				
Mailing Address:		601 N. Marienfeld St. Suite 400	e 400	Ricton	Flats 6 inch	6 inch	•	4901 Hawkins NE	lawkir	IS NE	- Albi	rduerc	ue, NN	Albuquerque, NM 87109				
			Τ	Project #:				Tel. 505-345-3975	5-34	5-3975		ax 50	Fax 505-345-4107	107			1	
Phone # 214	214-733-3165			03812	0381276307						Analy	sis Re	Analysis Request					
1.91	klowery	klowery@ensolum.com		Project Manager	ger: Kelly Lowery	owery				S	'OS		(inea					
QA/QC Package:		T I evel 4 (Full Validation)	lidation)							WISO	'*Od '		dAvtn					
Accreditation:				Sampler: 5	5am / NKI	NO UNO							(Prese					
				# of Coolers:	1				_									
				Cooler Temp(including CF): U		9-0-1= 5.0-												
Date Time	Matrix	Sample Name	Pepth Depth	Container Type and #	Preservative Type	HEAL No. 2309559	BTEX /	08:H9T 9 1808	EDB (V	РАН <sub>5</sub> и РАН5 и	CI' E'	) 0928	s) 0728 Total C					
1 ~		North-2	0.5	402 1	ICE	100				-+						-		
9/11/22 0935		FS-41	-	402 J	ICP	200						+						
	$\rightarrow$	F-W2 COURS	0-10	40, 1	tce	(103				-		+				_	T	
	3	Sw-9	0-10	407 1	TCe	٥٥٩						+	1	1		_		
	1									+		+		-				
	1							_		$\neg$	-+	+			+	_		
		220		91111							$\downarrow$	+		1		+		
				2/11/1	M											+		
						Jan		/			-					+		
					2							/				-+		
													[	/	-			
														/	/	/		
Date: Time:	Relinquished by:	hed by:		Received by:	Via:		Rem	Remarks:	E E	Bill to: Tom Long	Long	ord of	Ę					
3H6 82/11/6		120		GUMMAA	GAMAMAN (	Shb 821211.				Enterprise Field Services,	Field	Servic	es, LLC					
Date: Time:	Relinquished by:	hed by:		Received by:	Via: count	Jr: E chilo	Pav	Pavkev/AFE/NonAFE:	ENO	nAFE:	S	59612	2					
If necess:	I WW	UDMITTED IN Environmen	tal may be suit	acontracted to other	accredited laboratori	I'TUO WWWULVO Submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.	dis possib	ility. Any	sub-cor	tracted o	ata wili b	e clearly	notated or	the analytics	al report.			

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

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

CONDITIONS

Operator:	OGRID:
Enterprise Field Services, LLC	241602
	Action Number:
Houston, TX 77210	279151
	Action Type:
	[C-141] Release Corrective Action (C-141)
CONDITIONS	

#### Created By Condition Condition Date 11/28/2023 None amaxwell

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Action 279151

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