

ABATEMENT COMPLETION REPORT

Property: **2D-1 Well Tie/Bruce R Sullivan #2 (7/29/21)**Unit Letter I, Sec 23 T28N R10W

San Juan County, New Mexico

NM EMNRD OCD Incident ID No. NAPP2121054964

December 15, 2022 (updated April 13, 2023)

Ensolum Project No. 05A1226149

Prepared for:

Enterprise Field Services, LLC

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

Prepared by:

Ranee Deechilly Project Manager Kyle Summers

Senior Managing Geologist

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April 13, 2023

1.0 INTRODUCTION

Ensolum, LLC (Ensolum) has completed this Abatement Completion Report for the Enterprise Field Services, LLC (Enterprise) 2D-1 Well Tie/Bruce R Sullivan #2 (7/29/21) site, referred to hereinafter as the "Site".

This Abatement Completion Report documents compliance with the abatement standards and requirements of Subsections A, B, and D of 19.15.30.9 New Mexico Administrative Code (NMAC).

Site Description & Background

Operator:	Enterprise Field Services, LLC / Enterprise Products Operating LLC
Site Name:	2D-1 Well Tie/Bruce R Sullivan #2 (7/29/21)
NM EMNRD OCD Incident ID No.	NAPP2121054964
Location:	36.644538° North, 107.857891° West Unit Letter I, Section 23, Township 28 North, Range 10 West San Juan County, New Mexico
Property:	Private
Regulatory:	New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On July 29, 2021, a release of natural gas was identified on the 2D-1 Well Tie/Bruce R Sullivan #2 pipeline. On August 9, 2021, Enterprise initiated activities to facilitate the repair of the pipeline and remediate petroleum hydrocarbon impact. During remediation activities, water was encountered at approximately seven feet bgs. Five soil samples and one water sample were collected from the excavation. Soil laboratory analytical results indicated no COC concentrations above the applicable NM EMNRD OCD closure criteria. The initial water analytical results indicated a benzene concentration slightly above the applicable NM Water Quality Control Commission (WQCC) standards. To further evaluate COC concentrations in groundwater, Enterprise installed a temporary monitoring well at the Site during excavation backfill activities. A sample was collected from the temporary well and submitted for laboratory analysis. Based on the laboratory analytical results for the water sample, benzene, sulfate, and TDS concentrations were identified above the applicable WQCC standards. In response to the groundwater COC exceedances Enterprise proposed to install additional temporary monitoring wells at the Site. Additional details regarding the excavation and water sampling activities are provide in the Interim Characterization Report and Remediation Plan (Ensolum), February 9, 2022).

During March 2022, Ensolum implemented environmental site investigation activities to evaluate the extent of potentially impacted groundwater, which resulted in the advancement of five soil borings at locations partially limited by topography and vegetation. These soil borings were then completed as groundwater monitoring wells (MW-1R and MW-2 through MW-5). As the existing temporary monitoring point MW-1 was essentially a drive-point well, it was replaced by MW-1R (with a sand-gravel pack and annular plug) to allow for proper well development. COCs were not identified in soils at concentrations above the NM EMNRD OCD closure criteria or in groundwater at concentrations above the NM WQCC standards (Environmental Site Investigation Report and Remediation Plan (Ensolum, May 25, 2022).

The Site location is depicted on Figure 1 of Appendix A which was reproduced from a portion of a United States Geological Survey (USGS) 7.5-minute series topographic map. A Site Vicinity Map, created from an aerial photograph, is provided as Figure 2, and a Site Map, which indicates the approximate locations of the monitoring wells and the extent of the former excavation in relation to pertinent structures, is included as Figure 3 of Appendix A.



April 13, 2023

2.0 **CLOSURE CRITERIA**

The Site is subject to regulatory oversight by the NM EMNRD OCD. To address activities related to oil and gas releases, the NM EMNRD OCD references NMAC 19.15.29 Releases, which establishes investigation and abatement action requirements for oil and gas release sites that are subject to reporting and/or corrective action. Additionally, Ensolum utilized the NM WQCC GQSs (NMAC 20.6.2 Ground and Surface Water Protection) to evaluate groundwater conditions.

Abatement standards for groundwater at the Site include the following BTEX concentrations:

New Mexico WQCC BTEX Standards for Groundwater				
Constituent ¹	Limit			
Benzene	5 μg/L			
Toluene	1,000 μg/L			
Ethylbenzene	700 μg/L			
Total Xylenes	600 μg/L			

 ^{1 –} Constituent concentrations are in micrograms per liter (μg/L).

3.0 **GROUNDWATER MONITORING**

Ensolum conducted groundwater sampling events during March, April, May, June, and August 2022. The groundwater sampling program consisted of the collection of one groundwater sample from each of the monitoring wells. Ensolum also conducted one sampling event in April 2023. Regulatory correspondence is provided in Appendix B. The groundwater sampling program consisted of the following:

- Prior to sample collection, Ensolum gauged the depth to fluids in each monitoring well using an interface probe capable of detecting non-aqueous phase liquids (NAPL).
- Each two-inch diameter monitoring well was sampled utilizing micro-purge low-flow sampling techniques. Following the completion of the micro-purge process, one groundwater sample was collected from each monitoring well during each event.
- Low-flow or low-stress sampling refers to sampling methods that are intended to minimize the stress that is imparted to the formation pore water in the vicinity of the well screen. Water level drawdown provides the best indication of the stress that is imparted by a given flow rate for a given hydrological situation. Pumping rates of 0.1 to 0.5 liters per minute (L/min) are typically maintained during the low-flow/low-stress sampling activities, using dedicated or decontaminated sampling equipment.
- During low-flow sampling, the groundwater samples are collected from each monitoring well once produced groundwater is consistent in color, clarity, pH, temperature, and conductivity. Measurements are taken every three to five minutes while purging. Purging is considered complete once key parameters (especially pH and conductivity) have stabilized for three consecutive readings.
- Groundwater samples were collected in laboratory supplied containers (pre-preserved by the laboratory with mercuric chloride (HgCl₂)). The containers were labeled and sealed using the laboratory supplied labels and custody seals and were stored on ice in a cooler. The groundwater samples were relinquished to the courier for HEAL of Albuquerque, New Mexico under proper chain-of-custody procedures.



3.1 **Groundwater Laboratory Analytical Methods**

The groundwater samples collected from the monitoring wells were analyzed for VOCs utilizing US EPA SW-846 Method #8260, and chloride and sulfate utilizing EPA Method #300.0. Because chloride was not previously detected above closure standards, the groundwater samples collected during the April 2022 sampling event were not analyzed for chloride. Sulfate was only analyzed for during April 2023 to verify background concentrations. Total dissolved solids (TDS) were also analyzed during the April 2023 event utilizing method SM2540C. Additionally, the groundwater samples collected during June 2022 were only analyzed for VOCs BTEX utilizing US EPA SW-846 Method #8260.

A summary of the analytes, sample matrix, sample frequency, and EPA-approved analytical methods are presented in the following table.

Analyte	Sample Type	No. of Samples	Method
VOCs	Groundwater	25	SW-846 8260
Chloride	Groundwater	20	EPA 300.0
Sulfate	Groundwater	3	EPA 300.0
TDS	Groundwater	3	SM2540C

The groundwater laboratory analytical results are summarized in Table 1 and Table 2 (Appendix C). The executed chain-of-custody forms and laboratory data sheets are provided in Appendix D.

3.2 **Groundwater Flow Direction**

Each monitoring well was previously surveyed to determine top-of-casing (TOC) elevations. The groundwater flow direction at the Site is generally toward the north-northeast, with an apparent average gradient of approximately 0.007 feet per foot (ft/ft) to 0.008 ft/ft across the Site.

Groundwater measurements collected during the March, April, May, June, and August 2022 gauging events are presented in Table 3 (Appendix C). A groundwater gradient map prepared from the March, April, May, June, and August 2022 gauging event data is included as Figure 4A through Figure 4E, respectively (Appendix A).

3.3 **Groundwater Data Evaluation**

Ensolum compared the laboratory analytical results or laboratory PQLs /RLs associated with the groundwater samples collected from monitoring wells during the March, April, May, June, and August 2022, and April 2023 sampling events to the NM WQCC Human Health Standards (HHSs) and Domestic Water Supply Standards (DWSSs). The results of the groundwater sample analyses are summarized in Table 1 and Table 2 of Appendix C. The Site Map with groundwater analytical results are provided as Figure 5A through Figure 5E, respectively, of Appendix A.

VOCs

The following discussion only includes the VOC constituents with an established WQCC standard. The remaining VOC constituents that indicated a reported concentration above the laboratory PQLs/ RLs are summarized in **Table 1** (**Appendix C**).



- The March, April, May, June, and August 2022 analytical results for all monitoring well samples do not indicate benzene concentrations above the laboratory PQLs/RLs, which are below the WQCC HHS of 5 μg/L.
- The March, April, May, June, and August 2022 analytical results for all monitoring well samples do not indicate toluene concentrations above the laboratory PQLs/RLs, which are below the WQCC HHS of 1,000 μg/L.
- The March, April, May, June, and August 2022 analytical results for all monitoring well samples identify no ethylbenzene concentrations above the laboratory PQLs/RLs, which are below the WQCC HHS of 700 μg/L.
- The March, April, May, June, and August 2022 analytical results for all monitoring well samples identify no total xylene concentrations above the laboratory PQLs/RLs, which are below the WQCC HHS of 620 µg/L.
- The March, April, May, and August 2022 analytical results for all monitoring well samples indicate no naphthalene concentrations above the laboratory PQLs/RLs, which are below the WQCC HHS of 30 μg/L.

Chloride/Sulfate/TDS

- The March, May, June, and August 2022 analytical results for all monitoring well samples indicate chloride concentrations ranging from 8.8 mg/L (MW-5 (March 2022)) to 49 mg/L (MW-1R (March 2022)), which are below the WQCC DWSS of 250 mg/L.
- The laboratory analytical result for the samples from MW-1R, ME-4, and MW-5 indicate sulfate concentrations of 1,900 mg/L, 680 mg/L, and 4,400 mg/L, respectively, which exceed the WQCC DWSS of 600 mg/L.
- The laboratory analytical results for the samples from MW-1R, MW-4, and MW-5 indicate TDS concentrations of 3,120 mg/L, 1,210 mg/L, and 6,650 mg/L, respectively, which exceed the WQCC DWSS of 1,000 mg/L.

4.0 FINDINGS

Based on the evaluation of the analytical results from the groundwater sampling activities, Ensolum presents the following findings:

- The groundwater samples collected from the monitoring wells during the March, April, May, June, and August 2022 sampling events do not indicate VOC concentrations above the applicable WQCC GQSs.
- The samples analyzed for sulfate and TDS during April 2023 identified the higher concentrations at the upgradient (background) well (MW-5), suggesting naturally occuring sulfate and TDS.
- Based on gauging data, the groundwater flow direction at the Site is generally toward the northeast, with an apparent average gradient of approximately 0.007 ft/ft to 0.008 ft/ft across the Site.



April 13, 2023

5.0 **RECOMMENDATIONS**

Based on the results of the groundwater monitoring activities, Ensolum has the following recommendations:

- Submit report to the New Mexico EMNRD OCD for the director's approval pursuant to Subsections A and E of 19.15.30.16 NMAC.
- Pursuant to Subsection D of 19.15.30.9 NMAC request director approval of abatement of water contaminants completion based on an alternative sampling schedule of:
 - o Five consecutive groundwater sampling events demonstrating no residual impact to groundwater above groundwater quality standards.
- Pursuant to Paragraph (7) of Subsection A of 19.15.30.12 NMAC request that no abatement plan be required based on the demonstration that the standards of Subsections A, B, and D of 19.15.30.9 have been met.
- Request approval to plug and abandon the temporary monitoring wells.

6.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

6.1 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).

6.2 Limitations

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

6.3 Reliance

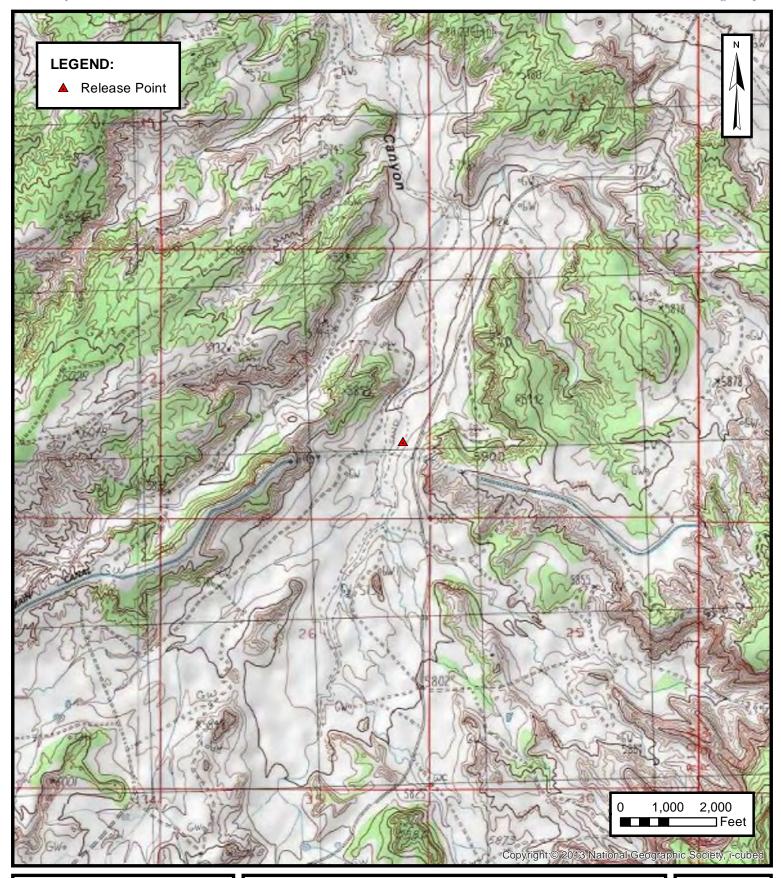
This report has been prepared for the exclusive use of Enterprise, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization of Enterprise and Ensolum. Any unauthorized distribution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





APPENDIX A

Figures





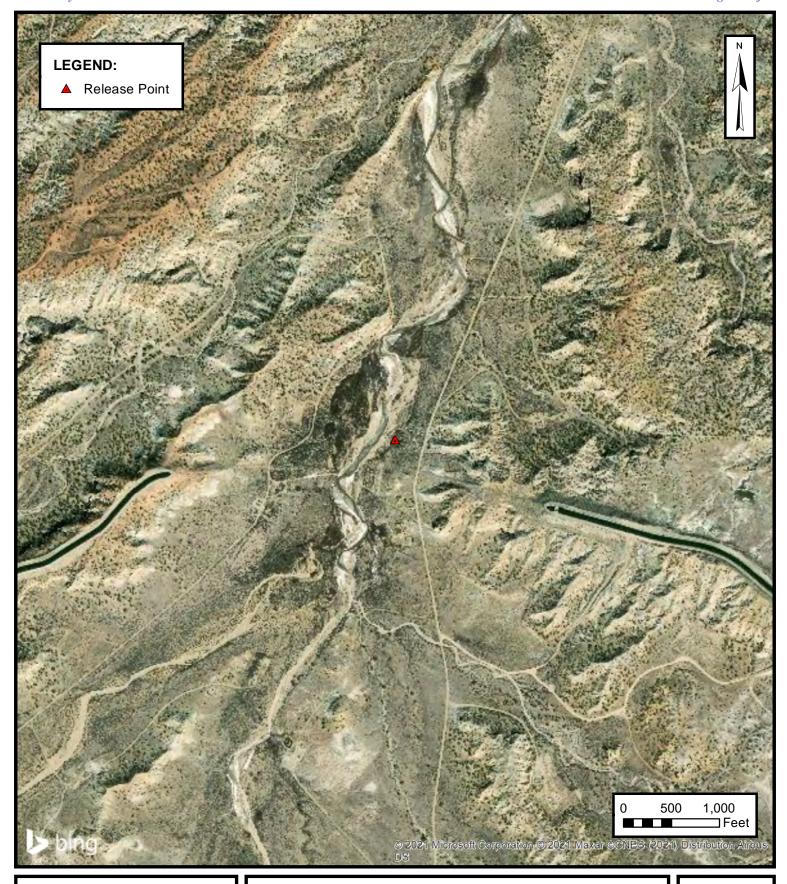
TOPOGRAPHIC MAP

ENTERPRISE FIELD SERVICES, LLC 2D-1 WELL TIE/BRUCE R SULLIVAN #2 (7/29/21) Unit Letter I, S23 T28N R10W, San Juan County, New Mexico 36.644538° N, 107.857891° W

PROJECT NUMBER: 05A1226149

FIGURE

1





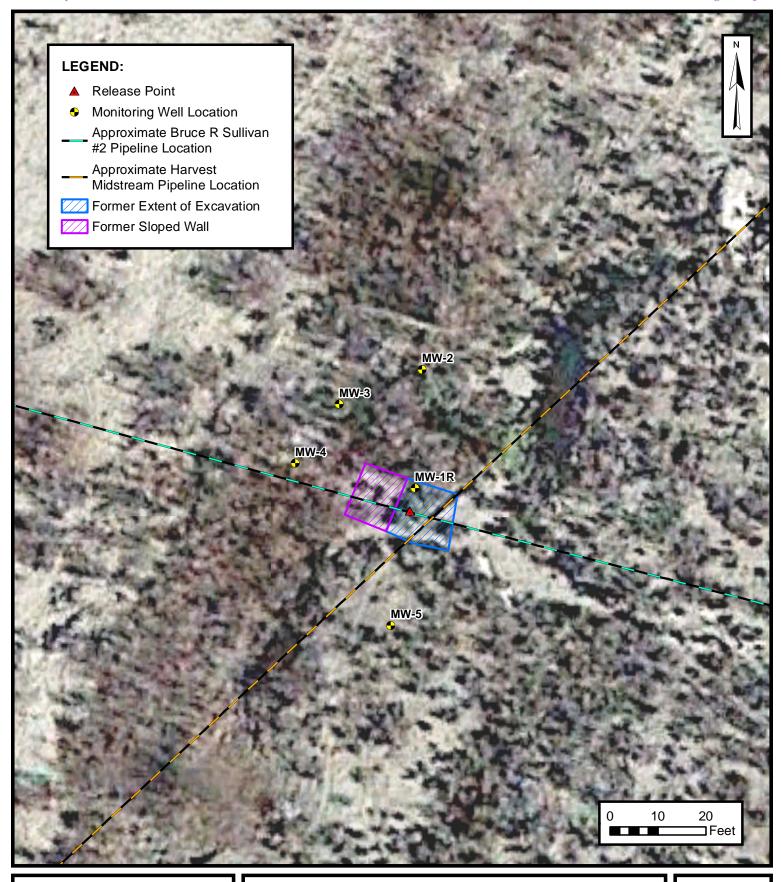
SITE VICINITY MAP

ENTERPRISE FIELD SERVICES, LLC 2D-1 WELL TIE/BRUCE R SULLIVAN #2 (7/29/21) Unit Letter I, S23 T28N R10W, San Juan County, New Mexico 36.644538° N, 107.857891° W

PROJECT NUMBER: 05A1226149

FIGURE

2





SITE MAP

ENTERPRISE FIELD SERVICES, LLC 2D-1 WELL TIE/BRUCE R SULLIVAN #2 (7/29/21) Unit Letter I, S23 T28N R10W, San Juan County, New Mexico 36.644538° N, 107.857891° W

PROJECT NUMBER: 05A1226149

FIGURE

3

LEGEND: ▲ Release Point Monitoring Well Location Approximate Bruce R Sullivan #2 Pipeline Location Approximate Harvest Midstream Pipeline Location Groundwater Elevation Contour (0.10') Inferred Groundwater Elevation Contour 5>16:00: MW-2 5715.90' MW-3 5716.20: MW-4 MW-1R 5716.07¹ MW-5 5716.28' Notes: 7.5 15 Groundwater elevations in blue



are listed in feet as measured at a set OPUS adjusted central point.

GROUNDWATER GRADIENT MAP (MARCH 2022)

ENTERPRISE FIELD SERVICES, LLC 2D-1 WELL TIE/BRUCE R SULLIVAN #2 (7/29/21) Unit Letter I, S23 T28N R10W, San Juan County, New Mexico 36.644538° N, 107.857891° W

PROJECT NUMBER: 05A1226149

FIGURE

⊒Feet

4A

LEGEND: Release Point Monitoring Well Location Approximate Bruce R Sullivan #2 Pipeline Location Approximate Harvest Midstream Pipeline Location Groundwater Elevation Contour (0.10') Inferred Groundwater Elevation Contour MW-2 5716.03' MW-3 MW-4 5716.30 MW-5 5716.40' Notes: 7.5 15 Groundwater elevations in blue 1 □Feet are listed in feet as measured at a set OPUS adjusted central point.



GROUNDWATER GRADIENT MAP (APRIL 2022)

ENTERPRISE FIELD SERVICES, LLC
2D-1 WELL TIE/BRUCE R SULLIVAN #2 (7/29/21)
Unit Letter I, S23 T28N R10W, San Juan County, New Mexico
36.644538° N, 107.857891° W

PROJECT NUMBER: 05A1226149

FIGURE

4B

LEGEND: ▲ Release Point Monitoring Well Location Groundwater Elevation Contour (0.10') Inferred Groundwater Elevation Contour Approximate Bruce R Sullivan #2 Pipeline Location Approximate Harvest Midstream Pipeline Location MW-2 5715.90 MW-3 MW-4 5716.16' MW-1R 5716.08 MW-5 5716.27' Notes: 7.5 15 Groundwater elevations in blue are listed in feet as measured ∃Feet at a set OPUS adjusted central point.



GROUNDWATER GRADIENT MAP (MAY 2022)

ENTERPRISE FIELD SERVICES, LLC 2D-1 WELL TIE/BRUCE R SULLIVAN #2 (7/29/21) Unit Letter I, S23 T28N R10W, San Juan County, New Mexico 36.644538° N, 107.857891° W

PROJECT NUMBER: 05A1226149

FIGURE 4C

Released to Imaging: 8/16/2024 8:16:05 AM

LEGEND: ▲ Release Point Monitoring Well Location - Groundwater Elevation Contour (0.10') Inferred Groundwater Elevation Contour - Approximate Bruce R Sullivan #2 Pipeline Location Approximate Harvest Midstream Pipeline Location MW-2 5715.34 MW-3 MW-4 5715.58' MW-1R MW-5 Notes: 7.5 15 Groundwater elevations in blue ∃Feet are listed in feet as measured at a set OPUS adjusted central point.



GROUNDWATER GRADIENT MAP (JUNE 2022)

ENTERPRISE FIELD SERVICES, LLC
2D-1 WELL TIE/BRUCE R SULLIVAN #2 (7/29/21)
Unit Letter I, S23 T28N R10W, San Juan County, New Mexico
36.644538° N, 107.857891° W

PROJECT NUMBER: 05A1226149

FIGURE

4D

LEGEND: ▲ Release Point Monitoring Well Location Groundwater Elevation Contour (0.10') Inferred Groundwater Elevation Contour - Approximate Bruce R Sullivan #2 Pipeline Location Approximate Harvest Midstream Pipeline Location MW-2 5714.61 MW-3 MW-1R 5714.80' ⁷⁴5:00'-**→** MW-5 5715.01 Notes: 7.5 15 Groundwater elevations in blue ∃Feet are listed in feet as measured at a set OPUS adjusted central point.



GROUNDWATER GRADIENT MAP (AUGUST 2022)

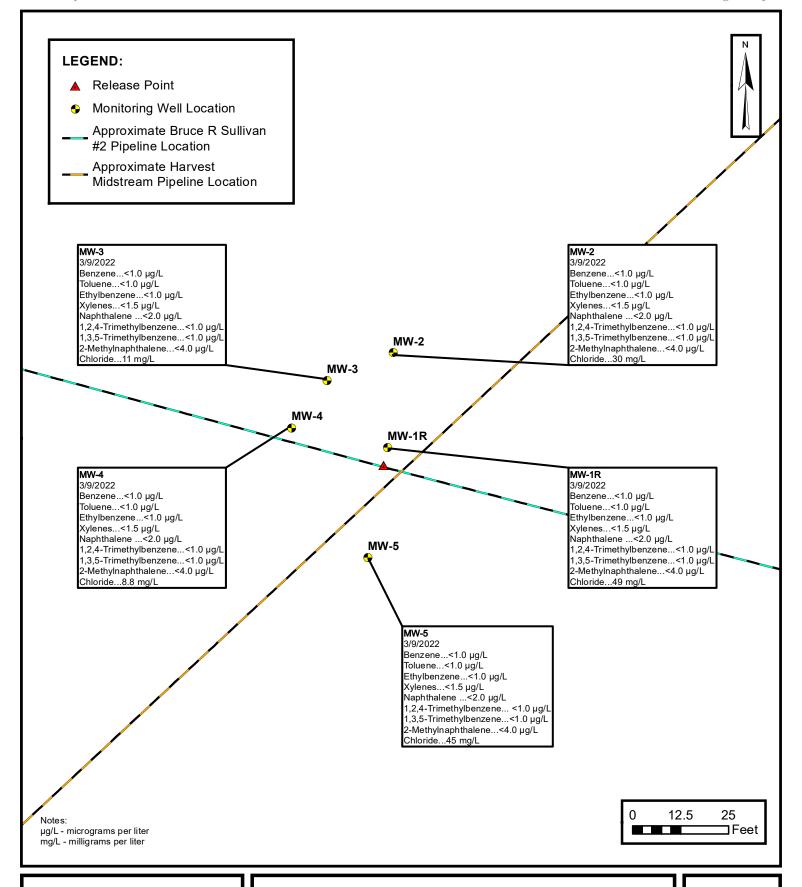
ENTERPRISE FIELD SERVICES, LLC

2D-1 WELL TIE/BRUCE R SULLIVAN #2 (7/29/21)
Unit Letter I, S23 T28N R10W, San Juan County, New Mexico
36.644538° N, 107.857891° W

PROJECT NUMBER: 05A1226149

FIGURE

4E



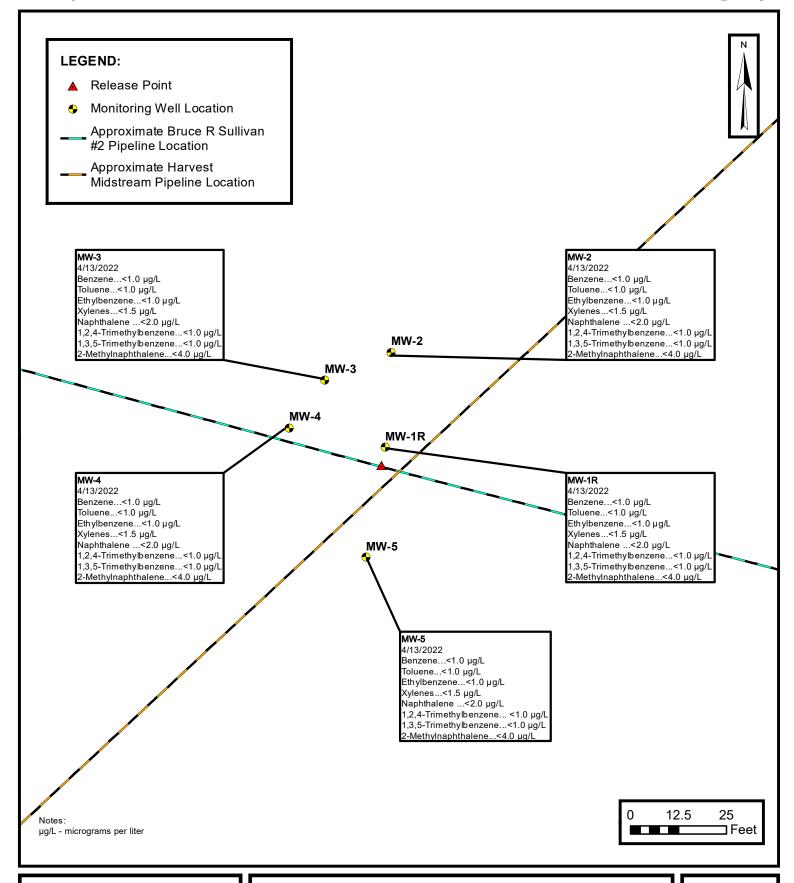


GROUNDWATER ANALYTICAL DATA MAP (MARCH 2022)

ENTERPRISE FIELD SERVICES, LLC
2D-1 WELL TIE/BRUCE R SULLIVAN #2 (7/29/21)
Unit Letter I, S23 T28N R10W, San Juan County, New Mexico
36.644538° N, 107.857891° W

PROJECT NUMBER: 05A1226149

FIGURE **5A**





Environmental & Hydrogeologic Consultants

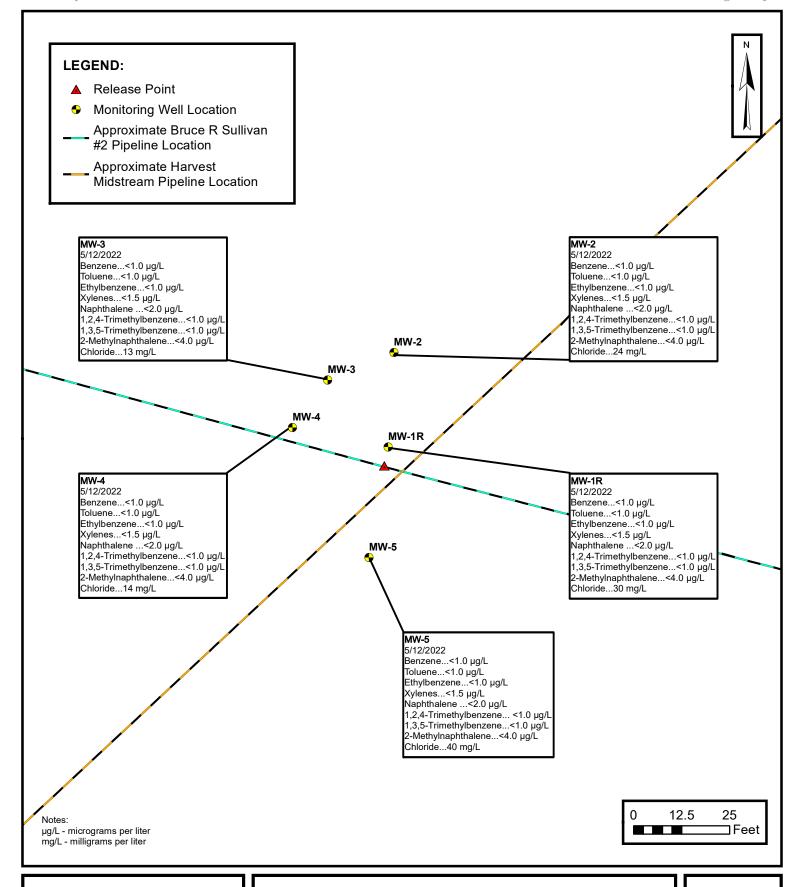
GROUNDWATER ANALYTICAL DATA MAP (APRIL 2022)

ENTERPRISE FIELD SERVICES, LLC
2D-1 WELL TIE/BRUCE R SULLIVAN #2 (7/29/21)
Unit Letter I, S23 T28N R10W, San Juan County, New Mexico
36.644538° N, 107.857891° W

PROJECT NUMBER: 05A1226149

FIGURE

5B





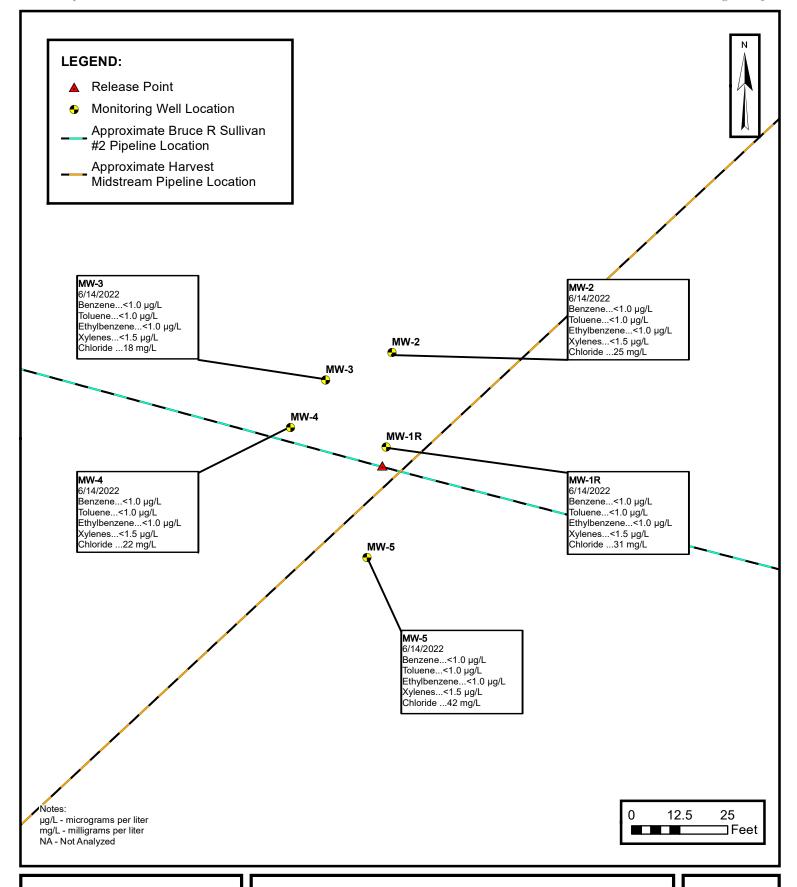
GROUNDWATER ANALYTICAL DATA MAP (MAY 2022)

ENTERPRISE FIELD SERVICES, LLC 2D-1 WELL TIE/BRUCE R SULLIVAN #2 (7/29/21) Unit Letter I, S23 T28N R10W, San Juan County, New Mexico 36.644538° N, 107.857891° W

PROJECT NUMBER: 05A1226149

FIGURE

5C





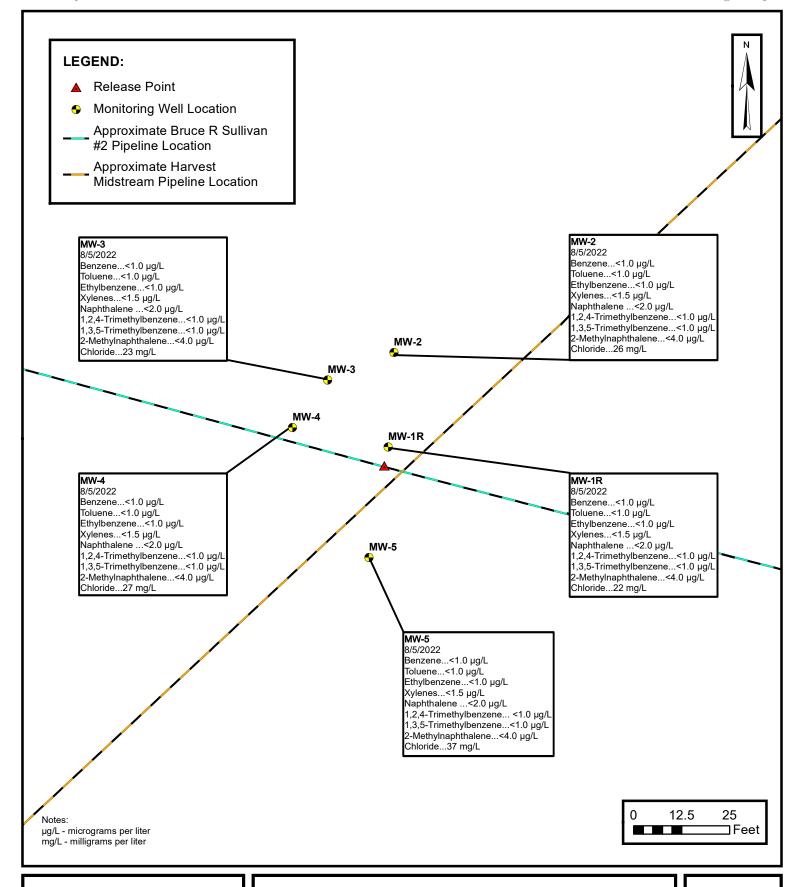
GROUNDWATER ANALYTICAL DATA MAP (JUNE 2022)

ENTERPRISE FIELD SERVICES, LLC

2D-1 WELL TIE/BRUCE R SULLIVAN #2 (7/29/21)
Unit Letter I, S23 T28N R10W, San Juan County, New Mexico
36.644538° N, 107.857891° W

PROJECT NUMBER: 05A1226149

FIGURE 5D





GROUNDWATER ANALYTICAL DATA MAP (AUGUST 2022)

ENTERPRISE FIELD SERVICES, LLC

2D-1 WELL TIE/BRUCE R SULLIVAN #2 (7/29/21)

Unit Letter I, S23 T28N R10W, San Juan County, New Mexico

36.644538° N, 107.857891° W

PROJECT NUMBER: 05A1226149

FIGURE

5E



APPENDIX B

Regulatory Correspondence

From: <u>Kyle Summers</u>

To: <u>Landon Daniell</u>; <u>Ranee Deechilly</u>

Subject: Fwd: [EXTERNAL] FW: 2D-1 Well Tie/Bruce R Sullivan #2 - UL I Section 23 T28N R10W; 36.644538,

-107.857891 - Incident # nAPP2121054964

Date: Tuesday, May 10, 2022 10:46:24 AM

Kyle Summers Principal 903-821-5603 Ensolum, LLC

From: Velez, Nelson, EMNRD < Nelson. Velez@state.nm.us>

Sent: Tuesday, May 10, 2022 11:45:08 AM **To:** Long, Thomas <tjlong@eprod.com>

Daniell <ldaniell@ensolum.com>

Subject: RE: [EXTERNAL] FW: 2D-1 Well Tie/Bruce R Sullivan #2 - UL I Section 23 T28N R10W;

36.644538, -107.857891 - Incident # nAPP2121054964

[**EXTERNAL EMAIL**]

Tom,

Thank you for the notice. If an OCD representative is not on-site on the date &/or time given, please proceed with your sampling. For whatever reason, the sample collection timeframe is altered, please notify the OCD as soon as possible so we may adjust our schedule(s). Failure to notify the OCD of the rescheduling may result in the sample(s) not being accepted.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

If you have any questions, please contact me via email at your convenience.

Thanks again

Regards,

Nelson Velez • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@state.nm.us

Hrs.: 7:00-11:00 am & 12:00-3:30 pm Mon.-Thur.

7:00-11:00 am & 12:00-4:00 pm Fri.

From: Long, Thomas <tjlong@eprod.com> Sent: Tuesday, May 10, 2022 7:20 AM

To: Velez, Nelson, EMNRD < Nelson. Velez@state.nm.us>

Cc: Stone, Brian

 Stone@eprod.com>; Kyle Summers <ksummers@ensolum.com>; Landon

Daniell < ldaniell@ensolum.com>

Subject: RE: [EXTERNAL] FW: 2D-1 Well Tie/Bruce R Sullivan #2 - UL I Section 23 T28N R10W; 36.644538, -107.857891 - Incident # nAPP2121054964

Nelson,

This email is a notification Enterprise will be conducting groundwater sampling/monitoring activities on May 12, 2022. Sampling activities are anticipated to take one day. If you have any questions, please call or email.

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



From: Velez, Nelson, EMNRD < Nelson. Velez@state.nm.us >

Sent: Tuesday, April 12, 2022 9:45 AM **To:** Long, Thomas tilong@eprod.com>

Subject: RE: [EXTERNAL] FW: 2D-1 Well Tie/Bruce R Sullivan #2 - UL I Section 23 T28N R10W;

36.644538, -107.857891 - Incident # nAPP2121054964

[Use caution with links/attachments]

Thank you for the notice. If an OCD representative is not on-site on the date &/or time given, please proceed with your sampling. For whatever reason, the sample collection timeframe is altered, please notify the OCD as soon as possible so we may adjust our schedule(s). Failure to notify the OCD of the rescheduling may result in the sample(s) not being accepted.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

The OCD requires a copy of all correspondence related to remedial activities be included in all proposals, weekly/monthly/quarterly/semi-annual/annual, or final closure reports. Correspondence reporting requirements may include, but not limited to, time extension requests, sample event notifications, and variance requests.

If you have any questions, please contact me via email at your convenience.

Thanks again

Regards,

Nelson Velez • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@state.nm.us

Hrs.: 7:00-11:00 am & 12:00-3:30 pm Mon.-Thur. 7:00-11:00 am & 12:00-4:00 pm Fri.

From: Long, Thomas <tilong@eprod.com>
Sent: Tuesday, April 12, 2022 9:18 AM

To: Velez, Nelson, EMNRD < <u>Nelson.Velez@state.nm.us</u>>

Subject: FW: [EXTERNAL] FW: 2D-1 Well Tie/Bruce R Sullivan #2 - UL I Section 23 T28N R10W;

36.644538, -107.857891 - Incident # nAPP2121054964

Nelson,

The sample date is incorrect. We will be sampling beginning tomorrow April 13, 2022.

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



From: Long, Thomas

Sent: Tuesday, April 12, 2022 8:16 AM

To: 'Velez, Nelson, EMNRD' < <u>Nelson.Velez@state.nm.us</u>>

Cc: Stone, Brian < bmstone@eprod.com>; 'Kyle Summers' < ksummers@ensolum.com>

Subject: FW: [EXTERNAL] FW: 2D-1 Well Tie/Bruce R Sullivan #2 - UL I Section 23 T28N R10W; 36.644538, -107.857891 - Incident # nAPP2121054964

Nelson,

This email is a notification that Enterprise will be conducting groundwater sampling/monitoring activities on April 12, 2022. Sampling activities are anticipated to take one day. If you have any questions, please call or email.

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



From: Long, Thomas <tilong@eprod.com>
Sent: Wednesday, March 23, 2022 11:33 AM
To: Kyle Summers <ksummers@ensolum.com>

Subject: Fwd: [EXTERNAL] FW: 2D-1 Well Tie/Bruce R Sullivan #2 - UL I Section 23 T28N R10W;

36.644538, -107.857891 - Incident # nAPP2121054964

Tom Long

Begin forwarded message:

From: "Velez, Nelson, EMNRD" < Nelson. Velez@state.nm.us >

Date: March 23, 2022 at 11:23:28 AM MDT **To:** "Long, Thomas" < <u>tilong@eprod.com</u>> **Cc:** "Stone, Brian" < <u>bmstone@eprod.com</u>>

Subject: RE: [EXTERNAL] FW: 2D-1 Well Tie/Bruce R Sullivan #2 - UL I Section 23

T28N R10W; 36.644538, -107.857891 - Incident # nAPP2121054964

[Use caution with links/attachments]

As per our telecommunication yesterday morning, please prepare a draft letter for the division director's approval pursuant to subsection D of section 9 of 19.15.30 NMAC.

If you have any further questions, please contact me at your convenience.

Regards,

Nelson Velez • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@state.nm.us

Hrs.: 7:00-11:00 am & 12:00-3:30 pm Mon.-Thur. 7:00-11:00 am & 12:00-4:00 pm Fri.

From: Long, Thomas <tilong@eprod.com>
Sent: Monday, March 21, 2022 10:00 AM

To: Velez, Nelson, EMNRD < <u>Nelson.Velez@state.nm.us</u>>

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

Subject: [EXTERNAL] FW: 2D-1 Well Tie/Bruce R Sullivan #2 - UL I Section 23 T28N

R10W; 36.644538, -107.857891 - Incident # nAPP2121054964

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

Nelson,

Please find the attached site map and lab reports (soil and water) for the Bruce R. Sullivan release site. All sample results are below the NMOCD Tier I soil remediation standards and NMWQQC ground water standards. As previously discussed in phone conversations, will NMOCD still accept four consecutive groundwater sampling events spaced two week apart for closing this site? Assuming all constituents of concerns remain below the NMWQQC ground water standards. Please acknowledge acceptance of the proposed alternate groundwater sampling schedule. If you have any questions, please call or email.

Thanks,

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



From: Long, Thomas

Sent: Monday, March 7, 2022 8:33 AM

To: 'Velez, Nelson, EMNRD' < Nelson. Velez@state.nm.us >

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

Subject: FW: 2D-1 Well Tie/Bruce R Sullivan #2 - UL I Section 23 T28N R10W;

36.644538, -107.857891 - Incident # nAPP2121054964

Nelson,

This email is a notification that Enterprise will be conducting groundwater sampling/monitoring activities on March 9, 2022. Sampling activities are anticipated to take one day. If you have any questions, please call or email.

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



From: Long, Thomas

Sent: Monday, February 28, 2022 2:33 PM

To: Velez, Nelson, EMNRD < <u>Nelson.Velez@state.nm.us</u>>

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

Subject: FW: 2D-1 Well Tie/Bruce R Sullivan #2 - UL I Section 23 T28N R10W;

36.644538, -107.857891 - Incident # nAPP2121054964

Nelson,

This email is a notification that Enterprise will be installing groundwater monitoring wells a the 2D-1 Well Tie/Bruce R Sullivan #2 on Thursday, March 3, 2022. Drilling activities are anticipated to take one day. After monitoring well installation activities are complete, Enterprise will develop and sample the wells. I will send a subsequent notification for the groundwater sampling activities. If you have any questions, please call or email.

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



From: Long, Thomas

Sent: Monday, August 16, 2021 7:16 AM

To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' < Cory.Smith@state.nm.us>

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

Subject: FW: 2D-1 Well Tie/Bruce R Sullivan #2 - UL I Section 23 T28N R10W;

36.644538, -107.857891 - Incident # nAPP2121054964

Cory,

We will be collecting the water sample tomorrow instead of today. If you have any questions, please call or email.

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



From: Long, Thomas

Sent: Friday, August 13, 2021 7:34 AM

To: 'Smith, Cory, EMNRD' < Cory.Smith@state.nm.us >

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

Subject: RE: 2D-1 Well Tie/Bruce R Sullivan #2 - UL I Section 23 T28N R10W; 36.644538,

-107.857891 - Incident # nAPP2121054964

Cory,

This email is notification that Enterprise will be collecting a water sample from the temporary well at the 2D-1 Well Tie/Bruce R Sullivan #2 on Monday, August 16, 2021. If you have any questions, please call or email.

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



From: Smith, Cory, EMNRD < Cory.Smith@state.nm.us>

Sent: Thursday, August 12, 2021 3:14 PM **To:** Long, Thomas < tilong@eprod.com > **Cc:** Stone, Brian < bmstone@eprod.com >

Subject: [EXTERNAL] RE: 2D-1 Well Tie/Bruce R Sullivan #2 - UL I Section 23 T28N

R10W; 36.644538, -107.857891 - Incident # nAPP2121054964

[Use caution with links/attachments]

Tom,

Thanks for the update please make sure to sample for 8026 full list and include Cation/Anion in the water sample.

Cory Smith • Environmental Specialist

Environmental Bureau
EMNRD - Oil Conservation Division
1000 Rio Brazos | Aztec, NM 87410
505.334.6178 x115 | Cory.Smith@state.nm.us
http://www.emnrd.state.nm.us/OCD/

From: Long, Thomas < tilong@eprod.com > Sent: Thursday, August 12, 2021 2:58 PM

To: Smith, Cory, EMNRD < <u>Cory.Smith@state.nm.us</u>>

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

Subject: RE: 2D-1 Well Tie/Bruce R Sullivan #2 - UL I Section 23 T28N R10W; 36.644538,

-107.857891 - Incident # nAPP2121054964

Cory,

Please find the attached site sketch and lab reports for the 2D-1 Well Tie/Bruce R Sullivan #2 excavation. We found groundwater in the excavation on the morning we sampled it. We collected a groundwater sample as well. All sample results are below NMOCD Tier I remediation standards and NMWQCC standards. Entperise install a temporary well prior to backfilling the excavation. After the temporary well has been developed and allowed to set for 24 hours, it will be purged and sampled. If you have any questions, please call or email.

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



From: Smith, Cory, EMNRD < Cory.Smith@state.nm.us>

Sent: Tuesday, August 10, 2021 8:04 AM **To:** Long, Thomas <tilong@eprod.com> **Cc:** Stone, Brian

bmstone@eprod.com>

Subject: [EXTERNAL] RE: 2D-1 Well Tie/Bruce R Sullivan #2 - UL I Section 23 T28N

R10W; 36.644538, -107.857891 - Incident # nAPP2121054964

[Use caution with links/attachments]

Tom,

sips coffee my bad hehe..

Thanks for giving me everything I needed

Cory Smith • Environmental Specialist Environmental Bureau
EMNRD - Oil Conservation Division
1000 Rio Brazos | Aztec, NM 87410
505.334.6178 x115 | Cory.Smith@state.nm.us
http://www.emnrd.state.nm.us/OCD/

From: Long, Thomas < tilong@eprod.com>
Sent: Tuesday, August 10, 2021 8:03 AM

To: Smith, Cory, EMNRD < Cory.Smith@state.nm.us >

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

Subject: RE: 2D-1 Well Tie/Bruce R Sullivan #2 - UL I Section 23 T28N R10W; 36.644538,

-107.857891 - Incident # nAPP2121054964

Cory,

The incident number is in the title of this email.

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



From: Smith, Cory, EMNRD < Cory.Smith@state.nm.us>

Sent: Tuesday, August 10, 2021 8:01 AM **To:** Long, Thomas <tilong@eprod.com> **Cc:** Stone, Brian

bmstone@eprod.com>

Subject: [EXTERNAL] RE: 2D-1 Well Tie/Bruce R Sullivan #2 - UL I Section 23 T28N

R10W; 36.644538, -107.857891 - Incident # nAPP2121054964

[Use caution with links/attachments]

Tom.

Thanks for the update what is the incident# associated with the release?

Cory Smith • Environmental Specialist

Environmental Bureau

EMNRD - Oil Conservation Division

1000 Rio Brazos | Aztec, NM 87410

505.334.6178 x115 | Cory.Smith@state.nm.us

http://www.emnrd.state.nm.us/OCD/

From: Long, Thomas <tilong@eprod.com>
Sent: Monday, August 9, 2021 2:42 PM

To: Smith, Cory, EMNRD < <u>Cory.Smith@state.nm.us</u>>

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

Subject: 2D-1 Well Tie/Bruce R Sullivan #2 - UL I Section 23 T28N R10W; 36.644538,

-107.857891 - Incident # nAPP2121054964

Cory,

This email is a notification that Entperise will be collecting soil samples at the 2D-1 Well Tie/Bruce R Sullivan #2 release site on Wednesday, August 11, 2021 at 11:00 a.m. If you have any questions, please call or email.

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



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

From: <u>Kyle Summers</u>
To: <u>Ranee Deechilly</u>

Subject: FW: [EXTERNAL] 2D-1 Well Tie/Bruce R Sullivan #2 NAPP2121054964

Date: Monday, December 12, 2022 1:56:49 PM

Attachments: image003.png

image004.png image005.png



Kyle Summers Principal 903-821-5603 Ensolum, LLC

PLEASE NOTE OUR NEW CORPORATE ADDRESS:

Ensolum, LLC 8330 LBJ Freeway, Ste. 830 Dallas, TX 75243

From: Long, Thomas <tjlong@eprod.com> **Sent:** Monday, December 12, 2022 1:54 PM **To:** Kyle Summers <ksummers@ensolum.com>

Subject: FW: [EXTERNAL] 2D-1 Well Tie/Bruce R Sullivan #2 NAPP2121054964

[**EXTERNAL EMAIL**]

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



From: Velez, Nelson, EMNRD < Nelson. Velez@state.nm.us >

Sent: Wednesday, August 3, 2022 8:20 AM
To: Long, Thomas <tilong@eprod.com>
Cc: Stone, Brian
bmstone@eprod.com>

Subject: RE: [EXTERNAL] 2D-1 Well Tie/Bruce R Sullivan #2 NAPP2121054964

[Use caution with links/attachments]

Tom,

Thanks for the notice. If an OCD representative is not on-site on the date &/or time given, please proceed with your sampling. For whatever reason, the sample collection timeframe is altered, please notify the OCD as soon as possible so we may adjust our schedule(s). Failure to notify the OCD of the rescheduling may result in the sample(s) not being accepted.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

Thanks again

Regards,

Nelson Velez • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@state.nm.us

Office Hrs.:

7:00am - 12:00pm & 1:00 - 3:30 pm Mon.-Thur. 7:00am - 12:00pm & 1:00 - 4:00 pm Fri.

From: Long, Thomas < tilong@eprod.com > Sent: Wednesday, August 3, 2022 8:04 AM

To: Velez, Nelson, EMNRD < Nelson. Velez@state.nm.us >

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

Subject: RE: [EXTERNAL] 2D-1 Well Tie/Bruce R Sullivan #2 NAPP2121054964

Nelson,

This email is a notification Enterprise will be conducting groundwater sampling/monitoring activities on August 5, 2022. Sampling activities are anticipated to take one day. If you have any questions, please call or email

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



From: Velez, Nelson, EMNRD < Nelson. Velez@state.nm.us >

Sent: Friday, July 29, 2022 10:15 AM **To:** Long, Thomas <<u>tilong@eprod.com</u>> **Cc:** Stone, Brian <<u>bmstone@eprod.com</u>>

Subject: RE: [EXTERNAL] 2D-1 Well Tie/Bruce R Sullivan #2 NAPP2121054964

[Use caution with links/attachments]

Good morning Tom,

Thanks for the notice. The sampling event postponement due to the unsafe working environment caused by the recent weather condition is, without question, justifiable.

Once Enterprise has determined the sampling rescheduled date & time, please provide OCD, at a minimum, 48 hrs. notification prior to the event.

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

OCD greatly appreciates the correspondence and work status update.

Regards,

Nelson Velez • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@state.nm.us

Hrs.: 7:00-11:00 am & 12:00-3:30 pm Mon.-Thur. 7:00-11:00 am & 12:00-4:00 pm Fri.

From: Long, Thomas < tilong@eprod.com>

Sent: Friday, July 29, 2022 7:49 AM

To: Velez, Nelson, EMNRD < <u>Nelson.Velez@state.nm.us</u>>

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

Subject: FW: [EXTERNAL] 2D-1 Well Tie/Bruce R Sullivan #2 NAPP2121054964

Nelson,

This sampling event has been postponed until next week due to the weather and bad road conditions. I will renotify when we have it rescheduled.

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



From: Long, Thomas

Sent: Monday, July 25, 2022 8:33 AM

To: 'Velez, Nelson, EMNRD' < <u>Nelson.Velez@state.nm.us</u>>

Cc: Stone, Brian < bmstone@eprod.com>; Kyle Summers < ksummers@ensolum.com>

Subject: FW: [EXTERNAL] 2D-1 Well Tie/Bruce R Sullivan #2 NAPP2121054964

Nelson,

This email is a notification Enterprise will be conducting groundwater sampling/monitoring activities on July 29, 2022. Sampling activities are anticipated to take one day. If you have any questions, please call or email.

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



From: Velez, Nelson, EMNRD < <u>Nelson.Velez@state.nm.us</u>>

Sent: Friday, June 10, 2022 9:48 AM **To:** Stone, Brian < bmstone@eprod.com>

Cc: Kyle Summers < ksummers@ensolum.com>; Long, Thomas < tjlong@eprod.com>

Subject: RE: [EXTERNAL] 2D-1 Well Tie/Bruce R Sullivan #2 NAPP2121054964

[Use caution with links/attachments]

Brian,

Thank you for the notice. If an OCD representative is not on-site on the date &/or time given, please proceed with your sampling. For whatever reason, the sample collection timeframe is altered, please notify the OCD as soon as possible so we may adjust our schedule(s). Failure to notify the OCD of the rescheduling may result in the sample(s) not being accepted.

Please keep a copy of this communication for inclusion within the appropriate reporting

documentation.

The OCD requires a copy of all correspondence related to remedial activities be included in all proposals, weekly/monthly/quarterly/semi-annual/annual, or final closure reports. Correspondence reporting requirements may include, but not limited to, notifications for sampling or drilling event(s), and request for time extension(s) or variance(s).

If you have any questions, please contact me via email at your convenience.

Thanks again

Regards,

Nelson Velez • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@state.nm.us

Hrs.: 7:00-11:00 am & 12:00-3:30 pm Mon.-Thur. 7:00-11:00 am & 12:00-4:00 pm Fri.

From: Stone, Brian < <u>bmstone@eprod.com</u>>

Sent: Thursday, June 9, 2022 4:05 PM

To: Velez, Nelson, EMNRD < Nelson. Velez@state.nm.us >

Cc: Kyle Summers ksummers@ensolum.com; Long, Thomas tilong@eprod.com>

Subject: [EXTERNAL] 2D-1 Well Tie/Bruce R Sullivan #2 NAPP2121054964

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

Nelson,

This email is a notification that Enterprise has scheduled groundwater monitoring and sampling activities for the 2D-1 Well Tie/Bruce R Sullivan #2 NAPP2121054964 site on Tuesday, June 14, 2022 at 8:00 a.m. Sampling activities are anticipated to be completed in one day. If you have any questions, please call or email. Please note that Tom Long is out of the office and will return June 20.

Brian Stone Field Environmental Manager Enterprise Products (970) 210-2170

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.

E N S O L U M

APPENDIX C

Tables

TABLE 1 2D-1 Well Tie/Bruce R Sullivan #2 (7/29/21) GROUNDWATER ANALYTICAL SUMMARY - DETECTED VOLATILE ORGANIC COMPOUNDS

Sample I.D.	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	1,2,4- Trimethylbenzene ^{1,2}	1,3,5- Trimethylbenzene ^{1,2}	2-Methylnaphthalene 1,2
		(μg/L)	(μg/L)	(µg/L)	(μg/L)	(µg/L)	(μg/L)	(µg/L)	(μg/L)
New Mexico Wate Commr Human Heal		5	1,000	700	620	30	NE	NE	NE
			Water	Sample Collected from	n the Excavation (Aug	ust 2021)			
EW-1*	8.11.21	5.3	<5.0	<5.0	<7.5	NA	NA	NA	NA
			Water Sample	es Collected from the	Temporary Sample Poi	nt (August 2021)			
MW-1	8.17.21	33	3.2	1.3	17	4.9	7.6	4.8	4.8
			Water S	amples Collected from	the Temporary Monito	oring Wells			
	3.9.22	<1.0	<1.0	<1.0	<1.5	<2.0	<1.0	<1.0	<4.0
	4.13.22	<1.0	<1.0	<1.0	<1.5	<2.0	<1.0	<1.0	<4.0
MW-1R ^A	5.12.22	<1.0	<1.0	<1.0	<1.5	<2.0	<1.0	<1.0	<4.0
	6.14.22	<1.0	<1.0	<1.0	<1.5	NA	NA	NA	NA
	8.5.22	<1.0	<1.0	<1.0	<1.5	<2.0	<1.0	<1.0	<4.0
	3.9.22	<1.0	<1.0	<1.0	<1.5	<2.0	<1.0	<1.0	<4.0
	4.13.22	<1.0	<1.0	<1.0	<1.5	<2.0	<1.0	<1.0	<4.0
MW-2	5.12.22	<1.0	<1.0	<1.0	<1.5	<2.0	<1.0	<1.0	<4.0
	6.14.22	<1.0	<1.0	<1.0	<1.5	NA	NA	NA	NA
	8.5.22	<1.0	<1.0	<1.0	<1.5	<2.0	<1.0	<1.0	<4.0
	3.9.22	<1.0	<1.0	<1.0	<1.5	<2.0	<1.0	<1.0	<4.0
	4.13.22	<1.0	<1.0	<1.0	<1.5	<2.0	<1.0	<1.0	<4.0
MW-3	5.12.22	<1.0	<1.0	<1.0	<1.5	<2.0	<1.0	<1.0	<4.0
	6.14.22	<1.0	<1.0	<1.0	<1.5	NA	NA	NA	NA
	8.5.22	<1.0	<1.0	<1.0	<1.5	<2.0	<1.0	<1.0	<4.0
	3.9.22	<1.0	<1.0	<1.0	<1.5	<2.0	<1.0	<1.0	<4.0
	4.13.22	<1.0	<1.0	<1.0	<1.5	<2.0	<1.0	<1.0	<4.0
MW-4	5.12.22	<1.0	<1.0	<1.0	<1.5	<2.0	<1.0	<1.0	<4.0
	6.14.22	<1.0	<1.0	<1.0	<1.5	NA	NA	NA	NA
	8.5.22	<1.0	<1.0	<1.0	<1.5	<2.0	<1.0	<1.0	<4.0
	3.9.22	<1.0	<1.0	<1.0	<1.5	<2.0	<1.0	<1.0	<4.0
	4.13.22	<1.0	<1.0	<1.0	<1.5	<2.0	<1.0	<1.0	<4.0
MW-5	5.12.22	<1.0	<1.0	<1.0	<1.5	<2.0	<1.0	<1.0	<4.0
	6.14.22	<1.0	<1.0	<1.0	<1.5	NA	NA	NA	NA
	8.5.22	<1.0	<1.0	<1.0	<1.5	<2.0	<1.0	<1.0	<4.0

Notes

Concentrations in **bold** and yellow exceed the applicable WQCC HHS

μg/L = microgram per liter

NA = Not Analyzed

NE = Not Established

<1.0 = The numeral (in this case "1.0") identifies the laboratory reporting limit (RL) or practical quantitation limit (PQL).</p>

^{* =} The sample collected from the excavation was only analyzed for benzene, toluene, ethlybenzene, and xylenes.

 $^{^{1}}$ = Constituent is not identified as "toxic pollutant" under 20.6.2 New Mexico Administrative Code (NMAC).

² = Constituent is not identified as a priority pollutant under the Federal Clean Water Act (CWA).

 $^{^{\}rm A}$ = During March 2022, temporary monitoring well MW-1R was completed to replace MW-1.



							TABLE 2	//a /=/aa/a/\ D						
				GROUNDWAT		D-1 Well Tie/Br AL SUMMARY				. PROPERTIES	6			
Sample I.D.	Sample Date	a								_		lved	ity	nity
		Fluoride	Chloride	Sulfate	Nitrate + Nitrite	Bromide	Phosphorus	Calcium	Magnesium	Potassium	Sodium	Total Dissolved Solids	Conductivity	Total Alkalinity
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(µmhos/cm)	(mg/L Ca)
Control Co Human Heal and Domestic	water Quality emmmission th Standards : Water Supply	1.6	250	600	11	NE	NE	NE	NE	NE	NE	1,000	NE	NE
					Water S	ample Collecte	ed from the Ex	cavation (Augu	ust 2021)					
EW-1*	8.11.21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
					Water Sample	Collected from	the Temporar	y Sample Poin	t (August 2021)				
MW-1	8.17.21	0.79	62	4,000	<1.00	< 0.50	<2.5	530	78	13	1,300	6,300	7,200	427.2
					Water Sam	ples Collected	from the Tem	porary Monito	ring Wells					
	3.9.22	NA	49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4.13.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1R ^A	5.12.22	NA	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6.14.22	NA	31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8.5.22	NA	22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4.5.23	NA	NA	1,900	NA	NA	NA	NA	NA	NA	NA	3,210	NA	NA
	3.9.22	NA	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4.13.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	5.12.22	NA	24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6.14.22	NA	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8.5.22	NA	26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4.5.23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3.9.22	NA	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4.13.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	5.12.22	NA	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6.14.22	NA	18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8.5.22	NA	23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4.5.23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3.9.22	NA	8.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4.13.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	5.12.22	NA	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6.14.22	NA	22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8.5.22	NA	27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4.5.23	NA	NA	680	NA	NA	NA	NA	NA	NA	NA	1,210	NA	NA

Received by OCD: 4/19/2023 8:45:08 AM

	TABLE 2 2D-1 Well Tie/Bruce R Sullivan #2 (7/29/21) Draft GROUNDWATER ANALYTICAL SUMMARY - INORGANICS, PHYSICAL, AND CHEMICAL PROPERTIES													
Sample I.D.	Sample Date	(mg/L)	(mg/L)	Sulfate (mg/L)	wg/L) Nitrate + Nitrite	Bromide (mg/L)	(mg/L)	Calcium (mg/L)	magnesium (mg/L)	(mg/L)	mnipos (mg/L)	m) Total Dissolved	Conductivity	T/ Total Alkalinity PD Total Alkalinity
Control Co Human Heal and Domestic	Water Quality ommmission ith Standards : Water Supply	1.6	250	600	11	NE	NE	NE	NE	NE	NE	1,000	NE	NE
	3.9.22	NA	45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4.13.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5	5.12.22	NA	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IVIVV-5	6.14.22	NA	42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8.5.22	NA	37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4.5.23	NA	NA	4,400	NA	NA	NA	NA	NA	NA	NA	6,650	NA	NA

Notes:

Concentrations in **bold** and yellow exceed the applicable WQCC HHS or DWSS

 $\hbox{\it *= The sample collected from the excavation was only analyzed for benzene, toluene, ethly benzene, and } xylenes.$

^A = During March 2022, temporary monitoring well MW-1R was completed to replace MW-1.

mg/L = milligram per liter

µmhos/cm = micromhos per centimeter

Ca = Calcium

NA = Not Analyzed

NE = Not Established

 $< 1.0 = The \ numeral \ (in \ this \ case \ "1.0") \ identifies \ the \ laboratory \ reporting \ limit \ (RL) \ or \ practical \ quantitation \ limit \ (PQL).$



TABLE 3 2D-1 Well Tie/Bruce R Sullivan #2 (7/29/21) GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	Total Well Depth (feet BTOC)	Screen Interval (feet BTOC)	TOC Elevations (feet AMSL)	Groundwater Elevation ¹ (feet AMSL)
	3.9.22	ND	8.35	ND				5716.07
	4.13.22	ND	8.22	ND				5716.20
MW-1R	5.12.22	ND	8.34	ND	15.57	5.57-15.57	5724.42	5716.08
	6.14.22	ND	8.90	ND				5715.52
	8.5.22	ND	9.62	ND				5714.80
	3.9.22	ND	7.53	ND				5715.90
	4.13.22	ND	7.40	ND				5716.03
MW-2	5.12.22	ND	7.53	ND	15.23	5.23-15.23	5723.43	5715.90
	6.14.22	ND	8.09	ND				5715.34
	8.5.22	ND	8.82	ND				5714.61
	3.9.22	ND	7.62	ND				5716.04
	4.13.22	ND	7.49	ND				5716.17
MW-3	5.12.22	ND	7.63	ND	15.43	5.43-15.43	5723.66	5716.03
	6.14.22	ND	8.20	ND				5715.46
	8.5.22	ND	8.95	ND				5714.71
	3.9.22	ND	7.66	ND				5716.17
	4.13.22	ND	7.53	ND				5716.30
MW-4	5.12.22	ND	7.67	ND	15.44	5.44-15.44	5723.83	5716.16
	6.14.22	ND	8.25	ND				5715.58
	8.5.22	ND	9.00	ND				5714.83
	3.9.22	ND	12.05	ND				5716.28
	4.13.22	ND	11.93	ND				5716.40
MW-5	5.12.22	ND	12.06	ND	22.58	7.58-22.58	5728.33	5716.27
	6.14.22	ND	12.60	ND				5715.73
	8.5.22	ND	13.32	ND				5715.01

Notes:

Monitoring wells were surveyed in March 2022

¹ - Groundwater elevations are listed in feet as measured at a set OPUS adjusted central point.

BTOC - below top of casing

AMSL - above mean sea level

TOC - top of casing



APPENDIX D

Laboratory Data Sheets & Chain of Custody Documentation



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

March 18, 2022

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: 2D1 Bruce R Sullivan 2 OrderNo.: 2203586

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 5 sample(s) on 3/10/2022 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 Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 3/18/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-5

 Project:
 2D1 Bruce R Sullivan 2
 Collection Date: 3/9/2022 9:15:00 AM

 Lab ID:
 2203586-001
 Matrix: AQUEOUS
 Received Date: 3/10/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	:: LRN
Chloride	45	2.5	mg/L	5	3/10/2022 5:42:22 PM	R86417
EPA METHOD 8260B: VOLATILES					Analyst	:: JR
Benzene	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
Toluene	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
Ethylbenzene	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
Methyl tert-butyl ether (MTBE)	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
1,2,4-Trimethylbenzene	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
1,3,5-Trimethylbenzene	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
1,2-Dichloroethane (EDC)	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
1,2-Dibromoethane (EDB)	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
Naphthalene	ND	2.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
1-Methylnaphthalene	ND	4.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
2-Methylnaphthalene	ND	4.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
Acetone	ND	10	μg/L	1	3/16/2022 8:21:29 PM	R86534
Bromobenzene	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
Bromodichloromethane	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
Bromoform	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
Bromomethane	ND	3.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
2-Butanone	ND	10	μg/L	1	3/16/2022 8:21:29 PM	R86534
Carbon disulfide	ND	10	μg/L	1	3/16/2022 8:21:29 PM	R86534
Carbon Tetrachloride	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
Chlorobenzene	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
Chloroethane	ND	2.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
Chloroform	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
Chloromethane	ND	3.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
2-Chlorotoluene	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
4-Chlorotoluene	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
cis-1,2-DCE	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
cis-1,3-Dichloropropene	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
1,2-Dibromo-3-chloropropane	ND	2.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
Dibromochloromethane	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
Dibromomethane	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
1,2-Dichlorobenzene	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
1,3-Dichlorobenzene	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
1,4-Dichlorobenzene	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
Dichlorodifluoromethane	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
1,1-Dichloroethane	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
1,1-Dichloroethene	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
1,2-Dichloropropane	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 14

Date Reported: 3/18/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-5

 Project:
 2D1 Bruce R Sullivan 2
 Collection Date: 3/9/2022 9:15:00 AM

 Lab ID:
 2203586-001
 Matrix: AQUEOUS
 Received Date: 3/10/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analyst	: JR
1,3-Dichloropropane	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
2,2-Dichloropropane	ND	2.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
1,1-Dichloropropene	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
Hexachlorobutadiene	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
2-Hexanone	ND	10	μg/L	1	3/16/2022 8:21:29 PM	R86534
Isopropylbenzene	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
4-Isopropyltoluene	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
4-Methyl-2-pentanone	ND	10	μg/L	1	3/16/2022 8:21:29 PM	R86534
Methylene Chloride	ND	3.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
n-Butylbenzene	ND	3.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
n-Propylbenzene	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
sec-Butylbenzene	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
Styrene	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
tert-Butylbenzene	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
1,1,1,2-Tetrachloroethane	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
1,1,2,2-Tetrachloroethane	ND	2.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
Tetrachloroethene (PCE)	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
trans-1,2-DCE	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
trans-1,3-Dichloropropene	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
1,2,3-Trichlorobenzene	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
1,2,4-Trichlorobenzene	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
1,1,1-Trichloroethane	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
1,1,2-Trichloroethane	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
Trichloroethene (TCE)	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
Trichlorofluoromethane	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
1,2,3-Trichloropropane	ND	2.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
Vinyl chloride	ND	1.0	μg/L	1	3/16/2022 8:21:29 PM	R86534
Xylenes, Total	ND	1.5	μg/L	1	3/16/2022 8:21:29 PM	R86534
Surr: 1,2-Dichloroethane-d4	90.4	70-130	%Rec	1	3/16/2022 8:21:29 PM	R86534
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	3/16/2022 8:21:29 PM	R86534
Surr: Dibromofluoromethane	89.3	70-130	%Rec	1	3/16/2022 8:21:29 PM	R86534
Surr: Toluene-d8	103	70-130	%Rec	1	3/16/2022 8:21:29 PM	R86534

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
- 8 % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 14

Date Reported: 3/18/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-2

 Project:
 2D1 Bruce R Sullivan 2
 Collection Date: 3/9/2022 10:05:00 AM

 Lab ID:
 2203586-002
 Matrix: AQUEOUS
 Received Date: 3/10/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	30	2.5	mg/L	5	3/10/2022 6:33:50 PM	R86417
EPA METHOD 8260B: VOLATILES					Analyst	: JR
Benzene	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
Toluene	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
Ethylbenzene	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
Methyl tert-butyl ether (MTBE)	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
1,2,4-Trimethylbenzene	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
1,3,5-Trimethylbenzene	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
1,2-Dichloroethane (EDC)	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
1,2-Dibromoethane (EDB)	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
Naphthalene	ND	2.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
1-Methylnaphthalene	ND	4.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
2-Methylnaphthalene	ND	4.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
Acetone	ND	10	μg/L	1	3/16/2022 9:47:02 PM	R86534
Bromobenzene	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
Bromodichloromethane	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
Bromoform	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
Bromomethane	ND	3.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
2-Butanone	ND	10	μg/L	1	3/16/2022 9:47:02 PM	R86534
Carbon disulfide	ND	10	μg/L	1	3/16/2022 9:47:02 PM	R86534
Carbon Tetrachloride	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
Chlorobenzene	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
Chloroethane	ND	2.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
Chloroform	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
Chloromethane	ND	3.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
2-Chlorotoluene	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
4-Chlorotoluene	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
cis-1,2-DCE	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
cis-1,3-Dichloropropene	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
1,2-Dibromo-3-chloropropane	ND	2.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
Dibromochloromethane	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
Dibromomethane	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
1,2-Dichlorobenzene	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
1,3-Dichlorobenzene	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
1,4-Dichlorobenzene	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
Dichlorodifluoromethane	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
1,1-Dichloroethane	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
1,1-Dichloroethene	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
1,2-Dichloropropane	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 3/18/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-2

 Project:
 2D1 Bruce R Sullivan 2
 Collection Date: 3/9/2022 10:05:00 AM

 Lab ID:
 2203586-002
 Matrix: AQUEOUS
 Received Date: 3/10/2022 8:00:00 AM

2,2-Dichloropropane	Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
2,2-Dichloropropane	EPA METHOD 8260B: VOLATILES					Analyst	: JR
1,1-Dichloropropene	1,3-Dichloropropane	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
Hexachlorobutadiene	2,2-Dichloropropane	ND	2.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
2-Hexanone ND 10 µg/L 1 3/16/2022 9:47:02 PM R86534	1,1-Dichloropropene	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
2-Hexanone ND 10 µg/L 1 3/16/2022 9:47:02 PM R86534	Hexachlorobutadiene	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
4-Isopropyltoluene ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 4-Methyl-2-pentanone ND 10 µg/L 1 3/16/2022 9:47:02 PM R86534 Methylene Chloride ND 3.0 µg/L 1 3/16/2022 9:47:02 PM R86534 n-Butylbenzene ND 3.0 µg/L 1 3/16/2022 9:47:02 PM R86534 n-Propylbenzene ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 sec-Butylbenzene ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 Styrene ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 tert-Butylbenzene ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 tert-Butylbenzene ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 1,1,2-Tetrachloroethane ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 trans-1,2-DCE ND <t< td=""><td>2-Hexanone</td><td>ND</td><td>10</td><td></td><td>1</td><td>3/16/2022 9:47:02 PM</td><td>R86534</td></t<>	2-Hexanone	ND	10		1	3/16/2022 9:47:02 PM	R86534
4-Methyl-2-pentanone ND 10 µg/L 1 3/16/2022 9:47:02 PM R86534 Methylene Chloride ND 3.0 µg/L 1 3/16/2022 9:47:02 PM R86534 n-Butylbenzene ND 3.0 µg/L 1 3/16/2022 9:47:02 PM R86534 n-Propylbenzene ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 sec-Butylbenzene ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 Styrene ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 tert-Butylbenzene ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 tert-Butylbenzene ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 tert-Butylbenzene ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 1,1,2-Tetrachloroethane ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 trans-1,2-DCE ND <th< td=""><td>Isopropylbenzene</td><td>ND</td><td>1.0</td><td>μg/L</td><td>1</td><td>3/16/2022 9:47:02 PM</td><td>R86534</td></th<>	Isopropylbenzene	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
4-Methyl-2-pentanone ND 10 µg/L 1 3/16/2022 9:47:02 PM R86534 Methylene Chloride ND 3.0 µg/L 1 3/16/2022 9:47:02 PM R86534 n-Butylbenzene ND 3.0 µg/L 1 3/16/2022 9:47:02 PM R86534 n-Propylbenzene ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 sec-Butylbenzene ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 Styrene ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 tert-Butylbenzene ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 tert-Butylbenzene ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 tert-Butylbenzene ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 1,1,2-Tetrachloroethane ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 trans-1,2-DCE ND <th< td=""><td>4-Isopropyltoluene</td><td>ND</td><td>1.0</td><td>μg/L</td><td>1</td><td>3/16/2022 9:47:02 PM</td><td>R86534</td></th<>	4-Isopropyltoluene	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
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Styrene ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 tert-Butylbenzene ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 1,1,1,2-Tetrachloroethane ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 1,1,2,2-Tetrachloroethane ND 2.0 µg/L 1 3/16/2022 9:47:02 PM R86534 1,1,2,2-Tetrachloroethane ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 1,2-DCE ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 1,2,3-Trichlorobenzene ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 1,2,3-Trichlorobenzene ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 1,1,1-Trichloroethane ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 1,1,2-Trichloroethane ND 1.0 µg/L 1 3/16/2022 9:47:02 PM R86534 1,2,3-Trichloroptoeth	n-Propylbenzene	ND	1.0		1	3/16/2022 9:47:02 PM	R86534
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Trichloroethene (TCE) ND 1.0 μg/L 1 3/16/2022 9:47:02 PM R86534 Trichlorofluoromethane ND 1.0 μg/L 1 3/16/2022 9:47:02 PM R86534 1,2,3-Trichloropropane ND 2.0 μg/L 1 3/16/2022 9:47:02 PM R86534 Vinyl chloride ND 1.0 μg/L 1 3/16/2022 9:47:02 PM R86534 Xylenes, Total ND 1.5 μg/L 1 3/16/2022 9:47:02 PM R86534 Surr: 1,2-Dichloroethane-d4 95.6 70-130 %Rec 1 3/16/2022 9:47:02 PM R86534 Surr: 4-Bromofluorobenzene 106 70-130 %Rec 1 3/16/2022 9:47:02 PM R86534 Surr: Dibromofluoromethane 96.4 70-130 %Rec 1 3/16/2022 9:47:02 PM R86534	1,1,1-Trichloroethane	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
Trichlorofluoromethane ND 1.0 μg/L 1 3/16/2022 9:47:02 PM R86534 1,2,3-Trichloropropane ND 2.0 μg/L 1 3/16/2022 9:47:02 PM R86534 Vinyl chloride ND 1.0 μg/L 1 3/16/2022 9:47:02 PM R86534 Xylenes, Total ND 1.5 μg/L 1 3/16/2022 9:47:02 PM R86534 Surr: 1,2-Dichloroethane-d4 95.6 70-130 %Rec 1 3/16/2022 9:47:02 PM R86534 Surr: 4-Bromofluorobenzene 106 70-130 %Rec 1 3/16/2022 9:47:02 PM R86534 Surr: Dibromofluoromethane 96.4 70-130 %Rec 1 3/16/2022 9:47:02 PM R86534	1,1,2-Trichloroethane	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
1,2,3-Trichloropropane ND 2.0 μg/L 1 3/16/2022 9:47:02 PM R86534 Vinyl chloride ND 1.0 μg/L 1 3/16/2022 9:47:02 PM R86534 Xylenes, Total ND 1.5 μg/L 1 3/16/2022 9:47:02 PM R86534 Surr: 1,2-Dichloroethane-d4 95.6 70-130 %Rec 1 3/16/2022 9:47:02 PM R86534 Surr: 4-Bromofluorobenzene 106 70-130 %Rec 1 3/16/2022 9:47:02 PM R86534 Surr: Dibromofluoromethane 96.4 70-130 %Rec 1 3/16/2022 9:47:02 PM R86534	Trichloroethene (TCE)	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
Vinyl chloride ND 1.0 μg/L 1 3/16/2022 9:47:02 PM R86534 Xylenes, Total ND 1.5 μg/L 1 3/16/2022 9:47:02 PM R86534 Surr: 1,2-Dichloroethane-d4 95.6 70-130 %Rec 1 3/16/2022 9:47:02 PM R86534 Surr: 4-Bromofluorobenzene 106 70-130 %Rec 1 3/16/2022 9:47:02 PM R86534 Surr: Dibromofluoromethane 96.4 70-130 %Rec 1 3/16/2022 9:47:02 PM R86534	Trichlorofluoromethane	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
Xylenes, Total ND 1.5 μg/L 1 3/16/2022 9:47:02 PM R86534 Surr: 1,2-Dichloroethane-d4 95.6 70-130 %Rec 1 3/16/2022 9:47:02 PM R86534 Surr: 4-Bromofluorobenzene 106 70-130 %Rec 1 3/16/2022 9:47:02 PM R86534 Surr: Dibromofluoromethane 96.4 70-130 %Rec 1 3/16/2022 9:47:02 PM R86534	1,2,3-Trichloropropane	ND	2.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
Surr: 1,2-Dichloroethane-d4 95.6 70-130 %Rec 1 3/16/2022 9:47:02 PM R86534 Surr: 4-Bromofluorobenzene 106 70-130 %Rec 1 3/16/2022 9:47:02 PM R86534 Surr: Dibromofluoromethane 96.4 70-130 %Rec 1 3/16/2022 9:47:02 PM R86534	Vinyl chloride	ND	1.0	μg/L	1	3/16/2022 9:47:02 PM	R86534
Surr: 4-Bromofluorobenzene 106 70-130 %Rec 1 3/16/2022 9:47:02 PM R86534 Surr: Dibromofluoromethane 96.4 70-130 %Rec 1 3/16/2022 9:47:02 PM R86534	Xylenes, Total	ND	1.5	μg/L	1	3/16/2022 9:47:02 PM	R86534
Surr: Dibromofluoromethane 96.4 70-130 %Rec 1 3/16/2022 9:47:02 PM R86534	Surr: 1,2-Dichloroethane-d4	95.6	70-130	%Rec	1	3/16/2022 9:47:02 PM	R86534
	Surr: 4-Bromofluorobenzene	106	70-130	%Rec	1	3/16/2022 9:47:02 PM	R86534
Surr: Toluene-d8 104 70-130 %Rec 1 3/16/2022 9:47:02 PM R86534	Surr: Dibromofluoromethane	96.4	70-130	%Rec	1	3/16/2022 9:47:02 PM	R86534
	Surr: Toluene-d8	104	70-130	%Rec	1	3/16/2022 9:47:02 PM	R86534

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 3/18/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-3

 Project:
 2D1 Bruce R Sullivan 2
 Collection Date: 3/9/2022 10:45:00 AM

 Lab ID:
 2203586-003
 Matrix: AQUEOUS
 Received Date: 3/10/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: LRN
Chloride	11	2.5	mg/L	5	3/10/2022 6:59:34 PM	R86417
EPA METHOD 8260B: VOLATILES					Analys	t: JR
Benzene	ND	1.0	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
Toluene	ND	1.0	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
Ethylbenzene	ND	1.0	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
Methyl tert-butyl ether (MTBE)	ND	1.0	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
1,2,4-Trimethylbenzene	ND	1.0	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
1,3,5-Trimethylbenzene	ND	1.0	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
1,2-Dichloroethane (EDC)	ND	1.0	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
1,2-Dibromoethane (EDB)	ND	1.0	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
Naphthalene	ND	2.0	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
1-Methylnaphthalene	ND	4.0	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
2-Methylnaphthalene	ND	4.0	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
Acetone	ND	10	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
Bromobenzene	ND	1.0	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
Bromodichloromethane	ND	1.0	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
Bromoform	ND	1.0	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
Bromomethane	ND	3.0	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
2-Butanone	ND	10	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
Carbon disulfide	ND	10	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
Carbon Tetrachloride	ND	1.0	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
Chlorobenzene	ND	1.0	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
Chloroethane	ND	2.0	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
Chloroform	ND	1.0	μg/L	1	3/16/2022 10:15:27 PM	1 R86534
Chloromethane	ND	3.0	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
2-Chlorotoluene	ND	1.0	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
4-Chlorotoluene	ND	1.0	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
cis-1,2-DCE	ND	1.0	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
cis-1,3-Dichloropropene	ND	1.0	μg/L	1	3/16/2022 10:15:27 PM	1 R86534
1,2-Dibromo-3-chloropropane	ND	2.0	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
Dibromochloromethane	ND	1.0	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
Dibromomethane	ND	1.0	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
1,2-Dichlorobenzene	ND	1.0	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
1,3-Dichlorobenzene	ND	1.0	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
1,4-Dichlorobenzene	ND	1.0	μg/L	1	3/16/2022 10:15:27 PN	1 R86534
Dichlorodifluoromethane	ND	1.0	μg/L	1	3/16/2022 10:15:27 PM	1 R86534
1,1-Dichloroethane	ND	1.0	μg/L	1	3/16/2022 10:15:27 PM	1 R86534
1,1-Dichloroethene	ND	1.0	μg/L	1	3/16/2022 10:15:27 PM	1 R86534
1,2-Dichloropropane	ND	1.0	μg/L	1	3/16/2022 10:15:27 PM	1 R86534

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
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- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 3/18/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-3

 Project:
 2D1 Bruce R Sullivan 2
 Collection Date: 3/9/2022 10:45:00 AM

 Lab ID:
 2203586-003
 Matrix: AQUEOUS
 Received Date: 3/10/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analyst	: JR
1,3-Dichloropropane	ND	1.0	μg/L	1	3/16/2022 10:15:27 PM	R86534
2,2-Dichloropropane	ND	2.0	μg/L	1	3/16/2022 10:15:27 PM	R86534
1,1-Dichloropropene	ND	1.0	μg/L	1	3/16/2022 10:15:27 PM	R86534
Hexachlorobutadiene	ND	1.0	μg/L	1	3/16/2022 10:15:27 PM	R86534
2-Hexanone	ND	10	μg/L	1	3/16/2022 10:15:27 PM	R86534
Isopropylbenzene	ND	1.0	μg/L	1	3/16/2022 10:15:27 PM	R86534
4-Isopropyltoluene	ND	1.0	μg/L	1	3/16/2022 10:15:27 PM	R86534
4-Methyl-2-pentanone	ND	10	μg/L	1	3/16/2022 10:15:27 PM	R86534
Methylene Chloride	ND	3.0	μg/L	1	3/16/2022 10:15:27 PM	R86534
n-Butylbenzene	ND	3.0	μg/L	1	3/16/2022 10:15:27 PM	R86534
n-Propylbenzene	ND	1.0	μg/L	1	3/16/2022 10:15:27 PM	R86534
sec-Butylbenzene	ND	1.0	μg/L	1	3/16/2022 10:15:27 PM	R86534
Styrene	ND	1.0	μg/L	1	3/16/2022 10:15:27 PM	R86534
tert-Butylbenzene	ND	1.0	μg/L	1	3/16/2022 10:15:27 PM	R86534
1,1,1,2-Tetrachloroethane	ND	1.0	μg/L	1	3/16/2022 10:15:27 PM	R86534
1,1,2,2-Tetrachloroethane	ND	2.0	μg/L	1	3/16/2022 10:15:27 PM	R86534
Tetrachloroethene (PCE)	ND	1.0	μg/L	1	3/16/2022 10:15:27 PM	R86534
trans-1,2-DCE	ND	1.0	μg/L	1	3/16/2022 10:15:27 PM	R86534
trans-1,3-Dichloropropene	ND	1.0	μg/L	1	3/16/2022 10:15:27 PM	R86534
1,2,3-Trichlorobenzene	ND	1.0	μg/L	1	3/16/2022 10:15:27 PM	R86534
1,2,4-Trichlorobenzene	ND	1.0	μg/L	1	3/16/2022 10:15:27 PM	R86534
1,1,1-Trichloroethane	ND	1.0	μg/L	1	3/16/2022 10:15:27 PM	R86534
1,1,2-Trichloroethane	ND	1.0	μg/L	1	3/16/2022 10:15:27 PM	R86534
Trichloroethene (TCE)	ND	1.0	μg/L	1	3/16/2022 10:15:27 PM	R86534
Trichlorofluoromethane	ND	1.0	μg/L	1	3/16/2022 10:15:27 PM	R86534
1,2,3-Trichloropropane	ND	2.0	μg/L	1	3/16/2022 10:15:27 PM	R86534
Vinyl chloride	ND	1.0	μg/L	1	3/16/2022 10:15:27 PM	R86534
Xylenes, Total	ND	1.5	μg/L	1	3/16/2022 10:15:27 PM	R86534
Surr: 1,2-Dichloroethane-d4	87.8	70-130	%Rec	1	3/16/2022 10:15:27 PM	R86534
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	3/16/2022 10:15:27 PM	R86534
Surr: Dibromofluoromethane	91.4	70-130	%Rec	1	3/16/2022 10:15:27 PM	R86534
Surr: Toluene-d8	101	70-130	%Rec	1	3/16/2022 10:15:27 PM	R86534

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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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 3/18/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-4

 Project:
 2D1 Bruce R Sullivan 2
 Collection Date: 3/9/2022 11:20:00 AM

 Lab ID:
 2203586-004
 Matrix: AQUEOUS
 Received Date: 3/10/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	:: LRN
Chloride	8.8	2.5	mg/L	5	3/10/2022 7:25:18 PM	R86417
EPA METHOD 8260B: VOLATILES					Analys	:: JR
Benzene	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	I R86534
Toluene	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	
Ethylbenzene	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	
Methyl tert-butyl ether (MTBE)	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	
1,2,4-Trimethylbenzene	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	
1,3,5-Trimethylbenzene	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	
1,2-Dichloroethane (EDC)	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	
1,2-Dibromoethane (EDB)	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	
Naphthalene	ND	2.0	μg/L	1	3/16/2022 10:43:59 PM	
1-Methylnaphthalene	ND	4.0	μg/L	1	3/16/2022 10:43:59 PM	
2-Methylnaphthalene	ND	4.0	μg/L	1	3/16/2022 10:43:59 PM	
Acetone	ND	10	μg/L	1	3/16/2022 10:43:59 PM	
Bromobenzene	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	
Bromodichloromethane	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	
Bromoform	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	
Bromomethane	ND	3.0	μg/L	1	3/16/2022 10:43:59 PM	
2-Butanone	ND	10	μg/L	1	3/16/2022 10:43:59 PM	
Carbon disulfide	ND	10	μg/L	1	3/16/2022 10:43:59 PM	
Carbon Tetrachloride	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	
Chlorobenzene	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	
Chloroethane	ND	2.0	μg/L	1	3/16/2022 10:43:59 PM	
Chloroform	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	
Chloromethane	ND	3.0	μg/L	1	3/16/2022 10:43:59 PM	
2-Chlorotoluene	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	
4-Chlorotoluene	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	
cis-1,2-DCE	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	
cis-1,3-Dichloropropene	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	
1,2-Dibromo-3-chloropropane	ND	2.0	μg/L	1	3/16/2022 10:43:59 PM	
Dibromochloromethane	ND	1.0	μg/L μg/L	1	3/16/2022 10:43:59 PM	
Dibromomethane	ND ND	1.0	μg/L μg/L	1	3/16/2022 10:43:59 PM	
1,2-Dichlorobenzene	ND ND	1.0	. •	1	3/16/2022 10:43:59 PM	
1,3-Dichlorobenzene	ND ND	1.0	μg/L μg/l	1	3/16/2022 10:43:59 PM	
1.4-Dichlorobenzene	ND ND	1.0	μg/L μg/L	1	3/16/2022 10:43:59 PM	
Dichlorodifluoromethane	ND ND	1.0	μg/L μg/L	1	3/16/2022 10:43:59 PM	
1,1-Dichloroethane	ND ND	1.0	. •	1	3/16/2022 10:43:59 PM	
1,1-Dichloroethane	ND ND	1.0	μg/L μg/l	1	3/16/2022 10:43:59 PM	
•			μg/L	1		
1,2-Dichloropropane	ND	1.0	μg/L	П	3/16/2022 10:43:59 PM	1 100034

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 3/18/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-4

 Project:
 2D1 Bruce R Sullivan 2
 Collection Date: 3/9/2022 11:20:00 AM

 Lab ID:
 2203586-004
 Matrix: AQUEOUS
 Received Date: 3/10/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analyst	: JR
1,3-Dichloropropane	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	R86534
2,2-Dichloropropane	ND	2.0	μg/L	1	3/16/2022 10:43:59 PM	R86534
1,1-Dichloropropene	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	R86534
Hexachlorobutadiene	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	R86534
2-Hexanone	ND	10	μg/L	1	3/16/2022 10:43:59 PM	R86534
Isopropylbenzene	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	R86534
4-Isopropyltoluene	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	R86534
4-Methyl-2-pentanone	ND	10	μg/L	1	3/16/2022 10:43:59 PM	R86534
Methylene Chloride	ND	3.0	μg/L	1	3/16/2022 10:43:59 PM	R86534
n-Butylbenzene	ND	3.0	μg/L	1	3/16/2022 10:43:59 PM	R86534
n-Propylbenzene	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	R86534
sec-Butylbenzene	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	R86534
Styrene	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	R86534
tert-Butylbenzene	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	R86534
1,1,1,2-Tetrachloroethane	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	R86534
1,1,2,2-Tetrachloroethane	ND	2.0	μg/L	1	3/16/2022 10:43:59 PM	R86534
Tetrachloroethene (PCE)	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	R86534
trans-1,2-DCE	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	R86534
trans-1,3-Dichloropropene	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	R86534
1,2,3-Trichlorobenzene	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	R86534
1,2,4-Trichlorobenzene	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	R86534
1,1,1-Trichloroethane	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	R86534
1,1,2-Trichloroethane	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	R86534
Trichloroethene (TCE)	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	R86534
Trichlorofluoromethane	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	R86534
1,2,3-Trichloropropane	ND	2.0	μg/L	1	3/16/2022 10:43:59 PM	R86534
Vinyl chloride	ND	1.0	μg/L	1	3/16/2022 10:43:59 PM	R86534
Xylenes, Total	ND	1.5	μg/L	1	3/16/2022 10:43:59 PM	R86534
Surr: 1,2-Dichloroethane-d4	90.9	70-130	%Rec	1	3/16/2022 10:43:59 PM	R86534
Surr: 4-Bromofluorobenzene	99.9	70-130	%Rec	1	3/16/2022 10:43:59 PM	R86534
Surr: Dibromofluoromethane	91.8	70-130	%Rec	1	3/16/2022 10:43:59 PM	R86534
Surr: Toluene-d8	103	70-130	%Rec	1	3/16/2022 10:43:59 PM	R86534

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 8 of 14

Date Reported: 3/18/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-1R

 Project:
 2D1 Bruce R Sullivan 2
 Collection Date: 3/9/2022 12:05:00 PM

 Lab ID:
 2203586-005
 Matrix: AQUEOUS
 Received Date: 3/10/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: LRN
Chloride	49	2.5	mg/L	5	3/10/2022 7:51:01 PM	R86417
EPA METHOD 8260B: VOLATILES					Analys	t: JR
Benzene	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	1 R86534
Toluene	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	
Ethylbenzene	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	
Methyl tert-butyl ether (MTBE)	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	
1,2,4-Trimethylbenzene	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	
1,3,5-Trimethylbenzene	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	
1,2-Dichloroethane (EDC)	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	
1,2-Dibromoethane (EDB)	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	
Naphthalene	ND	2.0	μg/L	1	3/16/2022 11:12:34 PM	
1-Methylnaphthalene	ND	4.0	μg/L	1	3/16/2022 11:12:34 PM	
2-Methylnaphthalene	ND	4.0	μg/L	1	3/16/2022 11:12:34 PM	
Acetone	ND	10	μg/L	1	3/16/2022 11:12:34 PM	
Bromobenzene	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	
Bromodichloromethane	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	
Bromoform	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	
Bromomethane	ND	3.0	μg/L	1	3/16/2022 11:12:34 PM	
2-Butanone	ND	10	μg/L	1	3/16/2022 11:12:34 PM	
Carbon disulfide	ND	10	μg/L	1	3/16/2022 11:12:34 PM	
Carbon Tetrachloride	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	
Chlorobenzene	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	
Chloroethane	ND	2.0	μg/L	1	3/16/2022 11:12:34 PM	
Chloroform	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	
Chloromethane	ND	3.0	μg/L	1	3/16/2022 11:12:34 PM	
2-Chlorotoluene	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	
4-Chlorotoluene	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	
cis-1,2-DCE	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	
cis-1,3-Dichloropropene	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	
1,2-Dibromo-3-chloropropane	ND	2.0	μg/L	1	3/16/2022 11:12:34 PM	
Dibromochloromethane	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	
Dibromomethane	ND ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	
1,2-Dichlorobenzene	ND ND	1.0		1	3/16/2022 11:12:34 PM	
1,3-Dichlorobenzene	ND ND	1.0	μg/L μg/L	1	3/16/2022 11:12:34 PM	
1.4-Dichlorobenzene	ND ND	1.0	μg/L μg/L	1	3/16/2022 11:12:34 PM	
Dichlorodifluoromethane	ND ND	1.0	μg/L μg/L	1	3/16/2022 11:12:34 PM	
1,1-Dichloroethane	ND ND	1.0	μg/L μg/L	1	3/16/2022 11:12:34 PM	
1,1-Dichloroethane	ND ND	1.0		1	3/16/2022 11:12:34 PN	
·			μg/L	1		
1,2-Dichloropropane	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	i K86534

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
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- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 3/18/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-1R

 Project:
 2D1 Bruce R Sullivan 2
 Collection Date: 3/9/2022 12:05:00 PM

 Lab ID:
 2203586-005
 Matrix: AQUEOUS
 Received Date: 3/10/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analyst	: JR
1,3-Dichloropropane	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	R86534
2,2-Dichloropropane	ND	2.0	μg/L	1	3/16/2022 11:12:34 PM	R86534
1,1-Dichloropropene	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	R86534
Hexachlorobutadiene	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	R86534
2-Hexanone	ND	10	μg/L	1	3/16/2022 11:12:34 PM	R86534
Isopropylbenzene	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	R86534
4-Isopropyltoluene	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	R86534
4-Methyl-2-pentanone	ND	10	μg/L	1	3/16/2022 11:12:34 PM	R86534
Methylene Chloride	ND	3.0	μg/L	1	3/16/2022 11:12:34 PM	R86534
n-Butylbenzene	ND	3.0	μg/L	1	3/16/2022 11:12:34 PM	R86534
n-Propylbenzene	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	R86534
sec-Butylbenzene	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	R86534
Styrene	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	R86534
tert-Butylbenzene	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	R86534
1,1,1,2-Tetrachloroethane	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	R86534
1,1,2,2-Tetrachloroethane	ND	2.0	μg/L	1	3/16/2022 11:12:34 PM	R86534
Tetrachloroethene (PCE)	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	R86534
trans-1,2-DCE	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	R86534
trans-1,3-Dichloropropene	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	R86534
1,2,3-Trichlorobenzene	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	R86534
1,2,4-Trichlorobenzene	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	R86534
1,1,1-Trichloroethane	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	R86534
1,1,2-Trichloroethane	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	R86534
Trichloroethene (TCE)	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	R86534
Trichlorofluoromethane	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	R86534
1,2,3-Trichloropropane	ND	2.0	μg/L	1	3/16/2022 11:12:34 PM	R86534
Vinyl chloride	ND	1.0	μg/L	1	3/16/2022 11:12:34 PM	R86534
Xylenes, Total	ND	1.5	μg/L	1	3/16/2022 11:12:34 PM	R86534
Surr: 1,2-Dichloroethane-d4	102	70-130	%Rec	1	3/16/2022 11:12:34 PM	R86534
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	3/16/2022 11:12:34 PM	R86534
Surr: Dibromofluoromethane	94.3	70-130	%Rec	1	3/16/2022 11:12:34 PM	R86534
Surr: Toluene-d8	103	70-130	%Rec	1	3/16/2022 11:12:34 PM	R86534

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
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- PQL Practical Quanitative Limit
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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203586**

18-Mar-22

Client: ENSOLUM

Project: 2D1 Bruce R Sullivan 2

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBW Batch ID: R86417 RunNo: 86417

Prep Date: Analysis Date: 3/10/2022 SeqNo: 3048600 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 0.50

Sample ID: LCS SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSW Batch ID: R86417 RunNo: 86417

Prep Date: Analysis Date: 3/10/2022 SeqNo: 3048601 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 4.7 0.50 5.000 0 93.5 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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 11 of 14

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203586**

18-Mar-22

Client: ENSOLUM

Project: 2D1 Bruce R Sullivan 2

Sample ID: 100ng lcs	SampT	ype: LC	S	Tes	tCode: EF	ATILES				
Client ID: LCSW	Batch	1D: R8	6534	R	RunNo: 80	6534				
Prep Date:	Analysis D	ate: 3/	16/2022	S	SeqNo: 30	053797	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	104	70	130			
Toluene	22	1.0	20.00	0	110	70	130			
Chlorobenzene	22	1.0	20.00	0	111	70	130			
1,1-Dichloroethene	21	1.0	20.00	0	104	70	130			
Trichloroethene (TCE)	19	1.0	20.00	0	95.7	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		102	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		99.3	70	130			
Surr: Dibromofluoromethane	9.8		10.00		98.3	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

Sample ID: 2203586-001ams	SampT	ype: MS	;	Tes	tCode: EF	ATILES				
Client ID: MW-5	Batch	n ID: R8	6534	F	RunNo: 86	6534				
Prep Date:	Analysis D	ate: 3/	16/2022	9	SeqNo: 30	053800	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	96.1	70	130			
Toluene	21	1.0	20.00	0	105	70	130			
Chlorobenzene	21	1.0	20.00	0	103	70	130			
1,1-Dichloroethene	17	1.0	20.00	0	84.9	70	130			
Trichloroethene (TCE)	16	1.0	20.00	0	81.8	70	130			
Surr: 1,2-Dichloroethane-d4	9.3		10.00		92.7	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		98.1	70	130			
Surr: Dibromofluoromethane	9.2		10.00		91.9	70	130			
Surr: Toluene-d8	10		10.00		99.9	70	130			

Sample ID: 2203586-001amsd	SampT	ype: MS	SD	Tes	tCode: El					
Client ID: MW-5	Batch	1D: R8	6534	F	RunNo: 80	6534				
Prep Date:	Analysis D	ate: 3/	16/2022	S	SeqNo: 30	053801	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	88.0	70	130	8.83	20	
Toluene	19	1.0	20.00	0	94.3	70	130	10.4	20	
Chlorobenzene	19	1.0	20.00	0	95.3	70	130	7.53	20	
1,1-Dichloroethene	16	1.0	20.00	0	81.7	70	130	3.87	20	
Trichloroethene (TCE)	15	1.0	20.00	0	77.3	70	130	5.65	20	
Surr: 1,2-Dichloroethane-d4	9.4		10.00		93.7	70	130	0	0	
Surr: 4-Bromofluorobenzene	10		10.00		103	70	130	0	0	
Surr: Dibromofluoromethane	9.3		10.00		93.4	70	130	0	0	
Surr: Toluene-d8	9.9		10.00		99.1	70	130	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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
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- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203586**

18-Mar-22

Client: ENSOLUM

Project: 2D1 Bruce R Sullivan 2

Sample ID: mb SampType: MBLK TestCode: EPA Method 8260B: VOLATILES

Sample ID. Mb	Sampi	ype. we	DLN	168	icoue. Er	- A wiethou	0200B: VOL	HILES		
Client ID: PBW	Batch	n ID: R8	6534	R	RunNo: 86	6534				
Prep Date:	Analysis D	ate: 3/	16/2022	S	SeqNo: 30	053806	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								

Qualifiers:

- Value exceeds Maximum Contaminant Level.
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- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 13 of 14

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203586**

18-Mar-22

Client: ENSOLUM

Project: 2D1 Bruce R Sullivan 2

Sample ID: mb	SampType: MBLK TestCode: EPA Method 8260B: VOLATILES										
Client ID: PBW	Batch	n ID: R8	6534	R	tunNo: 80	6534					
Prep Date:	Analysis D	ate: 3/	16/2022	S	SeqNo: 30	053806	Units: µg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
1,1-Dichloropropene	ND	1.0									
Hexachlorobutadiene	ND	1.0									
2-Hexanone	ND	10									
Isopropylbenzene	ND	1.0									
4-Isopropyltoluene	ND	1.0									
4-Methyl-2-pentanone	ND	10									
Methylene Chloride	ND	3.0									
n-Butylbenzene	ND	3.0									
n-Propylbenzene	ND	1.0									
sec-Butylbenzene	ND	1.0									
Styrene	ND	1.0									
tert-Butylbenzene	ND	1.0									
1,1,1,2-Tetrachloroethane	ND	1.0									
1,1,2,2-Tetrachloroethane	ND	2.0									
Tetrachloroethene (PCE)	ND	1.0									
trans-1,2-DCE	ND	1.0									
trans-1,3-Dichloropropene	ND	1.0									
1,2,3-Trichlorobenzene	ND	1.0									
1,2,4-Trichlorobenzene	ND	1.0									
1,1,1-Trichloroethane	ND	1.0									
1,1,2-Trichloroethane	ND	1.0									
Trichloroethene (TCE)	ND	1.0									
Trichlorofluoromethane	ND	1.0									
1,2,3-Trichloropropane	ND	2.0									
Vinyl chloride	ND	1.0									
Xylenes, Total	ND	1.5									
Surr: 1,2-Dichloroethane-d4	9.9		10.00		98.6	70	130				
Surr: 4-Bromofluorobenzene	10		10.00		102	70	130				
Surr: Dibromofluoromethane	9.7		10.00		97.1	70	130				
Surr: Toluene-d8	9.9		10.00		99.4	70	130				

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: ENSOLUM Work Orde	r Number: 2203586		RcptNo: 1
Received By: Tracy Casarrubias 3/10/2022 8:0	00:00 AM		
Completed By: Tracy Casarrubias 3/10/2022 9:2	22:16 AM		
Reviewed By: 3-10-77			
Chain of Custody			
1. Is Chain of Custody complete?	Yes 🗸	No 🗌	Not Present
2. How was the sample delivered?	Courier		
<u>Log In</u>			
3. Was an attempt made to cool the samples?	Yes 🗸	No 🗌	NA 🗌
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. Are samples (except VOA and ONG) properly preserved?	Yes 🗸	No 🗌	
8. Was preservative added to bottles?	Yes	No 🔽	NA 🗆
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes	No 🗌	NA 🗹
10. Were any sample containers received broken?	Yes	No 🗸	# of preserved
11. Does paperwork match bottle labels?			bottles checked
(Note discrepancies on chain of custody)	Yes 🗸	No 📙	for pH: (<2 or >12 unless noted)
2. Are matrices correctly identified on Chain of Custody?	Yes 🗸	No 🗌	Adjusted?
3. Is it clear what analyses were requested?	Yes 🗸	No 🗌	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗸	No 🗌	Checked by: JA 3 10 2
Special Handling (if applicable)			
15. Was client notified of all discrepancies with this order?	Yes	No 🗌	NA 🗹
Person Notified:	Date:		
By Whom:	Via: eMail P	hone Fax	☐ In Person
Regarding:	NOT ASSESSED AND CONTRACTOR OF THE PARTY OF	Andrew Art Road Control of Control	A STATE OF THE PROPERTY OF THE
Client Instructions:	THE LOCAL COURSE OF THE PARTY O	COCAMADA ON DANISH AND ADMI	What had not require any of the control of the cont
16. Additional remarks:			
7. <u>Cooler Information</u>		(4)	
Cooler No Temp °C Condition Seal Intact Seal I	No Seal Date	Signed By	
1 0.1 Good Yes		3,	

## April Hawkins NE - Albuquerque, NM 87109 Project Manager: #Seannies Project Manager: #Seannies	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice	reived by: Relinquished by: Relinquished by: Relinquished by:	1504	Sate: Time: Relinquished by:	19/202	23 8:4	45:00	8 AM		3/4/82 1205 W NW-18	3/9/22 1120 W NW-4	3/9/22 1045 W MW-3	3/9/22 1005 W MW-2	39/12 915 W MW-S	Date Time Matrix Sample Name	□ EDD (Type)	Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other	☐ Standard ☐ Level 4 (Full Validation)		email or Fax#: Ksymmers@ensolum.com	Phone #:	Aztec, NM 87410	Mailing Address: 606 S Rio Grande Suite A		Ensolum, LLC	Chain-of-Custody Record
Www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request Defended for the analytical report. Remarks: Remarks	ontracted to other accredited laboratories. This serves as notice of this	Received by: Via: occ.>, Date Time	THE WALL S/9/22 15	Visi						Various	Various	Varied	Mariers	Yanuus	10.1-0=0.1 tive HEAL No. 2203586	1	PDeechilly A Yes			Project Manager:		Project #: See notes	Bruce R Sullivan#	; P	Standard □ Rush	Turn-Around Time:
	his possibility. Any sub-contracted data will be clearly notated on the analytical report.	77	Remarks: PM - Tom Long Non AFE - NSYL												BTEX / MT TPH:8015D 8081 Pestic EDB (Methor PAHs by 83 RCRA 8 Me CI, F, Br, N 8260 (VOA) 8270 (Semi	(GF side side side side side side side side	80 / DF s/8082 504.1) or 8276 s , NO ₂ ,	PCE OSIM PO ₄	MRC	D)	Anal)	. <u>a</u>		ANALYSTS AROBATORY	

Released to Imaging: 8/16/2024 8:16:05 AM



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

April 21, 2022

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: Bruce R Sullivan 2 OrderNo.: 2204650

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 5 sample(s) on 4/13/2022 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 Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 4/21/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-5

 Project:
 Bruce R Sullivan 2
 Collection Date: 4/13/2022 9:20:00 AM

 Lab ID:
 2204650-001
 Matrix: AQUEOUS
 Received Date: 4/13/2022 1:56:00 PM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIS	ST				Analyst	:: JR
Benzene	ND	1.0	μg/L	1	4/19/2022 4:18:28 PM	R87357
Toluene	ND	1.0	μg/L	1	4/19/2022 4:18:28 PM	R87357
Ethylbenzene	ND	1.0	μg/L	1	4/19/2022 4:18:28 PM	R87357
Methyl tert-butyl ether (MTBE)	ND	1.0	μg/L	1	4/19/2022 4:18:28 PM	R87357
1,2,4-Trimethylbenzene	ND	1.0	μg/L	1	4/19/2022 4:18:28 PM	R87357
1,3,5-Trimethylbenzene	ND	1.0	μg/L	1	4/19/2022 4:18:28 PM	R87357
1,2-Dichloroethane (EDC)	ND	1.0	μg/L	1	4/19/2022 4:18:28 PM	R87357
1,2-Dibromoethane (EDB)	ND	1.0	μg/L	1	4/19/2022 4:18:28 PM	R87357
Naphthalene	ND	2.0	μg/L	1	4/19/2022 4:18:28 PM	R87357
1-Methylnaphthalene	ND	4.0	μg/L	1	4/19/2022 4:18:28 PM	R87357
2-Methylnaphthalene	ND	4.0	μg/L	1	4/19/2022 4:18:28 PM	R87357
Xylenes, Total	ND	1.5	μg/L	1	4/19/2022 4:18:28 PM	R87357
Surr: 1,2-Dichloroethane-d4	100	70-130	%Rec	1	4/19/2022 4:18:28 PM	R87357
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	4/19/2022 4:18:28 PM	R87357
Surr: Dibromofluoromethane	108	70-130	%Rec	1	4/19/2022 4:18:28 PM	R87357
Surr: Toluene-d8	95.7	70-130	%Rec	1	4/19/2022 4:18:28 PM	R87357

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

eporting Limit Page 1 of 6

Analytical Report

Lab Order **2204650**

Hall Environmental Analysis Laboratory, Inc. Date Reported: 4/21/2022

CLIENT: ENSOLUM Client Sample ID: MW-4

 Project:
 Bruce R Sullivan 2
 Collection Date: 4/13/2022 9:50:00 AM

 Lab ID:
 2204650-002
 Matrix: AQUEOUS
 Received Date: 4/13/2022 1:56:00 PM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIS	т				Analys	t: JR
Benzene	ND	1.0	μg/L	1	4/19/2022 4:46:55 PM	R87357
Toluene	ND	1.0	μg/L	1	4/19/2022 4:46:55 PM	R87357
Ethylbenzene	ND	1.0	μg/L	1	4/19/2022 4:46:55 PM	R87357
Methyl tert-butyl ether (MTBE)	ND	1.0	μg/L	1	4/19/2022 4:46:55 PM	R87357
1,2,4-Trimethylbenzene	ND	1.0	μg/L	1	4/19/2022 4:46:55 PM	R87357
1,3,5-Trimethylbenzene	ND	1.0	μg/L	1	4/19/2022 4:46:55 PM	R87357
1,2-Dichloroethane (EDC)	ND	1.0	μg/L	1	4/19/2022 4:46:55 PM	R87357
1,2-Dibromoethane (EDB)	ND	1.0	μg/L	1	4/19/2022 4:46:55 PM	R87357
Naphthalene	ND	2.0	μg/L	1	4/19/2022 4:46:55 PM	R87357
1-Methylnaphthalene	ND	4.0	μg/L	1	4/19/2022 4:46:55 PM	R87357
2-Methylnaphthalene	ND	4.0	μg/L	1	4/19/2022 4:46:55 PM	R87357
Xylenes, Total	ND	1.5	μg/L	1	4/19/2022 4:46:55 PM	R87357
Surr: 1,2-Dichloroethane-d4	98.8	70-130	%Rec	1	4/19/2022 4:46:55 PM	R87357
Surr: 4-Bromofluorobenzene	99.3	70-130	%Rec	1	4/19/2022 4:46:55 PM	R87357
Surr: Dibromofluoromethane	113	70-130	%Rec	1	4/19/2022 4:46:55 PM	R87357
Surr: Toluene-d8	97.0	70-130	%Rec	1	4/19/2022 4:46:55 PM	R87357

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 6

Analytical Report

Lab Order **2204650**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/21/2022

CLIENT: ENSOLUM Client Sample ID: MW-3

 Project:
 Bruce R Sullivan 2
 Collection Date: 4/13/2022 10:30:00 AM

 Lab ID:
 2204650-003
 Matrix: AQUEOUS
 Received Date: 4/13/2022 1:56:00 PM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIS	ST				Analyst	t: JR
Benzene	ND	1.0	μg/L	1	4/19/2022 5:15:25 PM	R87357
Toluene	ND	1.0	μg/L	1	4/19/2022 5:15:25 PM	R87357
Ethylbenzene	ND	1.0	μg/L	1	4/19/2022 5:15:25 PM	R87357
Methyl tert-butyl ether (MTBE)	ND	1.0	μg/L	1	4/19/2022 5:15:25 PM	R87357
1,2,4-Trimethylbenzene	ND	1.0	μg/L	1	4/19/2022 5:15:25 PM	R87357
1,3,5-Trimethylbenzene	ND	1.0	μg/L	1	4/19/2022 5:15:25 PM	R87357
1,2-Dichloroethane (EDC)	ND	1.0	μg/L	1	4/19/2022 5:15:25 PM	R87357
1,2-Dibromoethane (EDB)	ND	1.0	μg/L	1	4/19/2022 5:15:25 PM	R87357
Naphthalene	ND	2.0	μg/L	1	4/19/2022 5:15:25 PM	R87357
1-Methylnaphthalene	ND	4.0	μg/L	1	4/19/2022 5:15:25 PM	R87357
2-Methylnaphthalene	ND	4.0	μg/L	1	4/19/2022 5:15:25 PM	R87357
Xylenes, Total	ND	1.5	μg/L	1	4/19/2022 5:15:25 PM	R87357
Surr: 1,2-Dichloroethane-d4	101	70-130	%Rec	1	4/19/2022 5:15:25 PM	R87357
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	4/19/2022 5:15:25 PM	R87357
Surr: Dibromofluoromethane	112	70-130	%Rec	1	4/19/2022 5:15:25 PM	R87357
Surr: Toluene-d8	95.9	70-130	%Rec	1	4/19/2022 5:15:25 PM	R87357

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 6

Date Reported: 4/21/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-2

 Project:
 Bruce R Sullivan 2
 Collection Date: 4/13/2022 11:30:00 AM

 Lab ID:
 2204650-004
 Matrix: AQUEOUS
 Received Date: 4/13/2022 1:56:00 PM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LI	ST				Analyst	:: JR
Benzene	ND	1.0	μg/L	1	4/19/2022 5:44:06 PM	R87357
Toluene	ND	1.0	μg/L	1	4/19/2022 5:44:06 PM	R87357
Ethylbenzene	ND	1.0	μg/L	1	4/19/2022 5:44:06 PM	R87357
Methyl tert-butyl ether (MTBE)	ND	1.0	μg/L	1	4/19/2022 5:44:06 PM	R87357
1,2,4-Trimethylbenzene	ND	1.0	μg/L	1	4/19/2022 5:44:06 PM	R87357
1,3,5-Trimethylbenzene	ND	1.0	μg/L	1	4/19/2022 5:44:06 PM	R87357
1,2-Dichloroethane (EDC)	ND	1.0	μg/L	1	4/19/2022 5:44:06 PM	R87357
1,2-Dibromoethane (EDB)	ND	1.0	μg/L	1	4/19/2022 5:44:06 PM	R87357
Naphthalene	ND	2.0	μg/L	1	4/19/2022 5:44:06 PM	R87357
1-Methylnaphthalene	ND	4.0	μg/L	1	4/19/2022 5:44:06 PM	R87357
2-Methylnaphthalene	ND	4.0	μg/L	1	4/19/2022 5:44:06 PM	R87357
Xylenes, Total	ND	1.5	μg/L	1	4/19/2022 5:44:06 PM	R87357
Surr: 1,2-Dichloroethane-d4	99.5	70-130	%Rec	1	4/19/2022 5:44:06 PM	R87357
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	4/19/2022 5:44:06 PM	R87357
Surr: Dibromofluoromethane	115	70-130	%Rec	1	4/19/2022 5:44:06 PM	R87357
Surr: Toluene-d8	97.9	70-130	%Rec	1	4/19/2022 5:44:06 PM	R87357

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 6

Analytical Report

Lab Order **2204650**

Date Reported: 4/21/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-1R

 Project:
 Bruce R Sullivan 2
 Collection Date: 4/13/2022 12:25:00 PM

 Lab ID:
 2204650-005
 Matrix: AQUEOUS
 Received Date: 4/13/2022 1:56:00 PM

Analyses	Result	RL Q	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIS	ST				Analyst	:: JR
Benzene	ND	1.0	μg/L	1	4/19/2022 6:12:37 PM	R87357
Toluene	ND	1.0	μg/L	1	4/19/2022 6:12:37 PM	R87357
Ethylbenzene	ND	1.0	μg/L	1	4/19/2022 6:12:37 PM	R87357
Methyl tert-butyl ether (MTBE)	ND	1.0	μg/L	1	4/19/2022 6:12:37 PM	R87357
1,2,4-Trimethylbenzene	ND	1.0	μg/L	1	4/19/2022 6:12:37 PM	R87357
1,3,5-Trimethylbenzene	ND	1.0	μg/L	1	4/19/2022 6:12:37 PM	R87357
1,2-Dichloroethane (EDC)	ND	1.0	μg/L	1	4/19/2022 6:12:37 PM	R87357
1,2-Dibromoethane (EDB)	ND	1.0	μg/L	1	4/19/2022 6:12:37 PM	R87357
Naphthalene	ND	2.0	μg/L	1	4/19/2022 6:12:37 PM	R87357
1-Methylnaphthalene	ND	4.0	μg/L	1	4/19/2022 6:12:37 PM	R87357
2-Methylnaphthalene	ND	4.0	μg/L	1	4/19/2022 6:12:37 PM	R87357
Xylenes, Total	ND	1.5	μg/L	1	4/19/2022 6:12:37 PM	R87357
Surr: 1,2-Dichloroethane-d4	98.1	70-130	%Rec	1	4/19/2022 6:12:37 PM	R87357
Surr: 4-Bromofluorobenzene	99.6	70-130	%Rec	1	4/19/2022 6:12:37 PM	R87357
Surr: Dibromofluoromethane	110	70-130	%Rec	1	4/19/2022 6:12:37 PM	R87357
Surr: Toluene-d8	96.3	70-130	%Rec	1	4/19/2022 6:12:37 PM	R87357

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 6

Hall Environmental Analysis Laboratory, Inc.

11

9.7

WO#: **2204650 21-Apr-22**

Client: ENSOLUM

Surr: Dibromofluoromethane

Surr: Toluene-d8

Project: Bruce R Sullivan 2

Sample ID: mb	SampT	ype: MB	LK	Tes	tCode: EF	A Method	8260: Volatiles	s Short Lis	st	
Client ID: PBW	Batch	n ID: R8 7	7357	F	RunNo: 87	7357				
Prep Date:	Analysis D	ate: 4/ 1	19/2022	8	SeqNo: 30)90021	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.8		10.00		97.7	70	130			
Surr: 4-Bromofluorobenzene	9.7		10.00		96.6	70	130			

Sample ID: 100ng Ics	Samp1	Гуре: LC	S	Tes	stCode: EF	PA Method	8260: Volatile	s Short Li	st	
Client ID: LCSW	Batcl	h ID: R8 '	7357	F	RunNo: 87	7357				
Prep Date:	Analysis [Date: 4/	19/2022	5	SeqNo: 30)90035	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	96.6	70	130			
Toluene	18	1.0	20.00	0	91.9	70	130			
Surr: 1,2-Dichloroethane-d4	9.4		10.00		94.3	70	130			
Surr: 4-Bromofluorobenzene	9.6		10.00		95.8	70	130			
Surr: Dibromofluoromethane	10		10.00		105	70	130			
Surr: Toluene-d8	9.6		10.00		95.6	70	130			

107

96.6

70

70

130

130

10.00

10.00

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 6

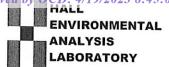


Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name:	ENSOLUM	И	Wor	k Order Num	nber: 2204650	-	RcptNo	: 1
Received By:	Tracy Ca	sarrubias	4/13/2	022 1:56:00	PM			
Completed By:	Tracy Ca	sarrubias	4/14/2	022 10:19:4	8 AM			
Reviewed By:	11	14-22			- 7 III			
Chain of Cus	tody							
1. Is Chain of C	ustody com	olete?			Yes 🗸	No 🗌	Not Present	
2. How was the	sample deli	vered?			Courier			
Log In								
3. Was an attern	npt made to	cool the sam	oles?		Yes 🗸	No 🗌	NA 🗆	
4. Were all samp	oles received	d at a tempera	ature of >0° C	to 6.0°C	Yes 🗌	No 🗸	NA 🗆	
5. Sample(s) in p	oroper conta	niner(s)?			Samples I	not Frozen No		
6. Sufficient sam	ple volume	for indicated t	est(s)?		Yes 🗸	No 🗌		
7. Are samples (except VOA	and ONG) pr	operly preserv	ed?	Yes 🗸	No 🗌		
8. Was preservat	tive added to	bottles?			Yes 🗌	No 🗸	NA 🗌	
9. Received at le	ast 1 vial wi	th headspace	<1/4" for AQ \	/OA?	Yes	No 🗌	NA 🗹	
10. Were any sam	nple contain	ers received b	oroken?		Yes	No 🗸		TO
11.Does paperwo	rk matab ba	ttle lebele0					# of preserved bottles checked	04/14/20
(Note discrepa			')		Yes 🗸	No 🗌	for pH:	>12 unless noted)
12. Are matrices c					Yes 🗸	No 🗌	Adjusted?	12 diless noted
13. Is it clear what			100		Yes 🗸	No 🗆		
14.Were all holdin					Yes 🗸	No 🗌	Checked by:	
(If no, notify cu			i.					
Special Handli 15.Was client not			with this order)	Yes	No 🗌	NA 🗹	
Person I			That this order	r	Maria de la companya	NO L	NA 🗹	
By Who				Date:			_	
Regardir				Via:	eMail	Phone Fax	☐ In Person	
	structions:	publicania interpretation de la regione		Port School and Sandarday				
16. Additional ren							- 12 10 a R	
17. <u>Cooler Inforn</u> Cooler No	Temp °C	Condition	Seal Intact	165.330.1	0 15	5 50 <u>2-20</u> 35-03-03-03-03-03-03-03-03-03-03-03-03-03-		
1	0.6	Good	Yes Yes	Seal No	Seal Date	Signed By		
2	0.3	Good	Yes	-				
3	-0.3	Good	Yes				**************************************	
4	2.1	Good	Yes					



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name:

ENSOLUM

Work Order Number: 2204650

RcptNo: 1

5 2.6 Good Yes	Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
	5	2.6					3

Chain-of-Custody Record	Turn-Around Time:	Receiv
Client:	Standard Doot	
		DRATORY
Mailing Address: (20 5 0 10 Changle Site)	- Rowe PSILLES Z	environmental.com
QUALZ	Project #:	- Albuquerque, NM 8/109
Phone #:		rax 505-545-4107
KSamwerzoonsolumcan	Project Manager:	(C)
QA/QC Package:		V MR(CB's
1:	F. L.Daviel	7 DRO (1.1) 82705 9082 P
ype)	# of Coolers:	3/ee/8 4 50 5 or als 23, 1 5 Ne 1 ~ EO
	(inc	asticio ethoo y 831 Meta r, No r, No
Date Time Matrix Sample Name	Container Preservative HEAL No.	3TEX / PH:80 (M:50 (V:50 (S:50 (V:50
	to Mach	8
9.50	002	
10:30 W	003	
1	600	X
11/3/22 12:25 W NW-1 R	\$ 000	· ×
122 138	Via: Upate Time (13/2, 1356	9.00
3	Received by: Viercome Date Time	120 1 1 1 2 1 2 1 2 2 2 2 2 2 2 2 2 2 2
If necessary, samples submitted to Hall Environmental may be subcon	tracted to other accredited laboratories. This serves as notice of this p	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



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

May 18, 2022

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: Bruce R Sullivan 2 OrderNo.: 2205636

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 5 sample(s) on 5/13/2022 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 Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 5/18/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-4

 Project:
 Bruce R Sullivan 2
 Collection Date: 5/12/2022 9:45:00 AM

 Lab ID:
 2205636-001
 Matrix: AQUEOUS
 Received Date: 5/13/2022 7:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: CAS
Chloride	14	5.0	mg/L	10	5/13/2022 5:51:34 PM	R88012
EPA METHOD 8260: VOLATILES SHORT LIST					Analys	t: JR
Benzene	ND	1.0	μg/L	1	5/16/2022 6:31:09 PM	R88039
Toluene	ND	1.0	μg/L	1	5/16/2022 6:31:09 PM	R88039
Ethylbenzene	ND	1.0	μg/L	1	5/16/2022 6:31:09 PM	R88039
Methyl tert-butyl ether (MTBE)	ND	1.0	μg/L	1	5/16/2022 6:31:09 PM	R88039
1,2,4-Trimethylbenzene	ND	1.0	μg/L	1	5/16/2022 6:31:09 PM	R88039
1,3,5-Trimethylbenzene	ND	1.0	μg/L	1	5/16/2022 6:31:09 PM	R88039
1,2-Dichloroethane (EDC)	ND	1.0	μg/L	1	5/16/2022 6:31:09 PM	R88039
1,2-Dibromoethane (EDB)	ND	1.0	μg/L	1	5/16/2022 6:31:09 PM	R88039
Naphthalene	ND	2.0	μg/L	1	5/16/2022 6:31:09 PM	R88039
1-Methylnaphthalene	ND	4.0	μg/L	1	5/16/2022 6:31:09 PM	R88039
2-Methylnaphthalene	ND	4.0	μg/L	1	5/16/2022 6:31:09 PM	R88039
Xylenes, Total	ND	1.5	μg/L	1	5/16/2022 6:31:09 PM	R88039
Surr: 1,2-Dichloroethane-d4	96.1	70-130	%Rec	1	5/16/2022 6:31:09 PM	R88039
Surr: 4-Bromofluorobenzene	93.8	70-130	%Rec	1	5/16/2022 6:31:09 PM	R88039
Surr: Dibromofluoromethane	113	70-130	%Rec	1	5/16/2022 6:31:09 PM	R88039
Surr: Toluene-d8	95.0	70-130	%Rec	1	5/16/2022 6:31:09 PM	R88039

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 8

CLIENT: ENSOLUM

Analytical Report

Lab Order **2205636**Date Reported: **5/18/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: MW-3

Project: Bruce R Sullivan 2 Collection Date: 5/12/2022 10:25:00 AM

Lab ID: 2205636-002 **Matrix:** AQUEOUS **Received Date:** 5/13/2022 7:00:00 AM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CAS
Chloride	13	5.0	mg/L	10	5/13/2022 6:17:18 PM	R88012
EPA METHOD 8260: VOLATILES SHORT LIST					Analys	t: JR
Benzene	ND	1.0	μg/L	1	5/16/2022 7:57:04 PM	R88039
Toluene	ND	1.0	μg/L	1	5/16/2022 7:57:04 PM	R88039
Ethylbenzene	ND	1.0	μg/L	1	5/16/2022 7:57:04 PM	R88039
Methyl tert-butyl ether (MTBE)	ND	1.0	μg/L	1	5/16/2022 7:57:04 PM	R88039
1,2,4-Trimethylbenzene	ND	1.0	μg/L	1	5/16/2022 7:57:04 PM	R88039
1,3,5-Trimethylbenzene	ND	1.0	μg/L	1	5/16/2022 7:57:04 PM	R88039
1,2-Dichloroethane (EDC)	ND	1.0	μg/L	1	5/16/2022 7:57:04 PM	R88039
1,2-Dibromoethane (EDB)	ND	1.0	μg/L	1	5/16/2022 7:57:04 PM	R88039
Naphthalene	ND	2.0	μg/L	1	5/16/2022 7:57:04 PM	R88039
1-Methylnaphthalene	ND	4.0	μg/L	1	5/16/2022 7:57:04 PM	R88039
2-Methylnaphthalene	ND	4.0	μg/L	1	5/16/2022 7:57:04 PM	R88039
Xylenes, Total	ND	1.5	μg/L	1	5/16/2022 7:57:04 PM	R88039
Surr: 1,2-Dichloroethane-d4	102	70-130	%Rec	1	5/16/2022 7:57:04 PM	R88039
Surr: 4-Bromofluorobenzene	95.2	70-130	%Rec	1	5/16/2022 7:57:04 PM	R88039
Surr: Dibromofluoromethane	116	70-130	%Rec	1	5/16/2022 7:57:04 PM	R88039
Surr: Toluene-d8	96.0	70-130	%Rec	1	5/16/2022 7:57:04 PM	R88039

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 8

Date Reported: 5/18/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-2

 Project:
 Bruce R Sullivan 2
 Collection Date: 5/12/2022 11:20:00 AM

 Lab ID:
 2205636-003
 Matrix: AQUEOUS
 Received Date: 5/13/2022 7:00:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: CAS
Chloride	24	5.0	mg/L	10	5/13/2022 7:08:47 PM	R88012
EPA METHOD 8260: VOLATILES SHORT LIST					Analyst	:: JR
Benzene	ND	1.0	μg/L	1	5/16/2022 8:25:40 PM	R88039
Toluene	ND	1.0	μg/L	1	5/16/2022 8:25:40 PM	R88039
Ethylbenzene	ND	1.0	μg/L	1	5/16/2022 8:25:40 PM	R88039
Methyl tert-butyl ether (MTBE)	ND	1.0	μg/L	1	5/16/2022 8:25:40 PM	R88039
1,2,4-Trimethylbenzene	ND	1.0	μg/L	1	5/16/2022 8:25:40 PM	R88039
1,3,5-Trimethylbenzene	ND	1.0	μg/L	1	5/16/2022 8:25:40 PM	R88039
1,2-Dichloroethane (EDC)	ND	1.0	μg/L	1	5/16/2022 8:25:40 PM	R88039
1,2-Dibromoethane (EDB)	ND	1.0	μg/L	1	5/16/2022 8:25:40 PM	R88039
Naphthalene	ND	2.0	μg/L	1	5/16/2022 8:25:40 PM	R88039
1-Methylnaphthalene	ND	4.0	μg/L	1	5/16/2022 8:25:40 PM	R88039
2-Methylnaphthalene	ND	4.0	μg/L	1	5/16/2022 8:25:40 PM	R88039
Xylenes, Total	ND	1.5	μg/L	1	5/16/2022 8:25:40 PM	R88039
Surr: 1,2-Dichloroethane-d4	99.5	70-130	%Rec	1	5/16/2022 8:25:40 PM	R88039
Surr: 4-Bromofluorobenzene	98.1	70-130	%Rec	1	5/16/2022 8:25:40 PM	R88039
Surr: Dibromofluoromethane	115	70-130	%Rec	1	5/16/2022 8:25:40 PM	R88039
Surr: Toluene-d8	93.8	70-130	%Rec	1	5/16/2022 8:25:40 PM	R88039

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 8

CLIENT: ENSOLUM

Surr: Toluene-d8

Analytical Report

Lab Order 2205636

5/16/2022 8:54:14 PM

R88039

Date Reported: 5/18/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: MW-1R

%Rec

Project: Bruce R Sullivan 2 Collection Date: 5/12/2022 12:25:00 PM Lab ID: 2205636-004 Matrix: AQUEOUS Received Date: 5/13/2022 7:00:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: CAS Chloride 30 5.0 mg/L 5/13/2022 7:34:31 PM R88012 **EPA METHOD 8260: VOLATILES SHORT LIST** Analyst: **JR** Benzene ND 1.0 μg/L 5/16/2022 8:54:14 PM R88039 Toluene ND 1.0 1 5/16/2022 8:54:14 PM R88039 μg/L Ethylbenzene ND 1.0 μg/L 1 5/16/2022 8:54:14 PM R88039 Methyl tert-butyl ether (MTBE) ND 1.0 μg/L 5/16/2022 8:54:14 PM R88039 1,2,4-Trimethylbenzene ND 1.0 μg/L 1 5/16/2022 8:54:14 PM R88039 1,3,5-Trimethylbenzene ND 1.0 μg/L 5/16/2022 8:54:14 PM R88039 1,2-Dichloroethane (EDC) ND 1.0 5/16/2022 8:54:14 PM R88039 μg/L 1 1,2-Dibromoethane (EDB) ND 1.0 µg/L 5/16/2022 8:54:14 PM R88039 Naphthalene ND 2.0 μg/L 1 5/16/2022 8:54:14 PM R88039 1-Methylnaphthalene ND 4.0 µg/L 5/16/2022 8:54:14 PM R88039 2-Methylnaphthalene ND 4.0 μg/L 5/16/2022 8:54:14 PM R88039 Xylenes, Total ND 5/16/2022 8:54:14 PM R88039 1.5 μg/L 70-130 Surr: 1,2-Dichloroethane-d4 98.3 %Rec 5/16/2022 8:54:14 PM R88039 Surr: 4-Bromofluorobenzene 95.0 70-130 %Rec 5/16/2022 8:54:14 PM R88039 Surr: Dibromofluoromethane 112 70-130 %Rec 1 5/16/2022 8:54:14 PM R88039 70-130

95.6

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
- Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank
- Е Estimated value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

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CLIENT: ENSOLUM

Analytical Report

Lab Order **2205636**Date Reported: **5/18/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: MW-5

Project: Bruce R Sullivan 2 **Collection Date:** 5/12/2022 1:10:00 PM

Lab ID: 2205636-005 **Matrix:** AQUEOUS **Received Date:** 5/13/2022 7:00:00 AM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CAS
Chloride	40	5.0	mg/L	10	5/13/2022 8:26:00 PM	R88012
EPA METHOD 8260: VOLATILES SHORT LIST					Analys	t: JR
Benzene	ND	1.0	μg/L	1	5/16/2022 9:22:46 PM	R88039
Toluene	ND	1.0	μg/L	1	5/16/2022 9:22:46 PM	R88039
Ethylbenzene	ND	1.0	μg/L	1	5/16/2022 9:22:46 PM	R88039
Methyl tert-butyl ether (MTBE)	ND	1.0	μg/L	1	5/16/2022 9:22:46 PM	R88039
1,2,4-Trimethylbenzene	ND	1.0	μg/L	1	5/16/2022 9:22:46 PM	R88039
1,3,5-Trimethylbenzene	ND	1.0	μg/L	1	5/16/2022 9:22:46 PM	R88039
1,2-Dichloroethane (EDC)	ND	1.0	μg/L	1	5/16/2022 9:22:46 PM	R88039
1,2-Dibromoethane (EDB)	ND	1.0	μg/L	1	5/16/2022 9:22:46 PM	R88039
Naphthalene	ND	2.0	μg/L	1	5/16/2022 9:22:46 PM	R88039
1-Methylnaphthalene	ND	4.0	μg/L	1	5/16/2022 9:22:46 PM	R88039
2-Methylnaphthalene	ND	4.0	μg/L	1	5/16/2022 9:22:46 PM	R88039
Xylenes, Total	ND	1.5	μg/L	1	5/16/2022 9:22:46 PM	R88039
Surr: 1,2-Dichloroethane-d4	97.1	70-130	%Rec	1	5/16/2022 9:22:46 PM	R88039
Surr: 4-Bromofluorobenzene	96.5	70-130	%Rec	1	5/16/2022 9:22:46 PM	R88039
Surr: Dibromofluoromethane	113	70-130	%Rec	1	5/16/2022 9:22:46 PM	R88039
Surr: Toluene-d8	94.8	70-130	%Rec	1	5/16/2022 9:22:46 PM	R88039

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 8

Hall Environmental Analysis Laboratory, Inc.

WO#: 2205636

18-May-22

Client: ENSOLUM

Project: Bruce R Sullivan 2

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBW Batch ID: R88012 RunNo: 88012

Prep Date: Analysis Date: 5/13/2022 SeqNo: 3119590 Units: mg/L

SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result **PQL** LowLimit Qual

Chloride ND 0.50

Sample ID: LCS SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSW Batch ID: R88012 RunNo: 88012

Prep Date: Analysis Date: 5/13/2022 SeqNo: 3119591 Units: mg/L

%RPD **RPDLimit** Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit Qual

Chloride 4.8 0.50 5.000 95.4 110

Sample ID: 2205636-002BMS TestCode: EPA Method 300.0: Anions SampType: ms

Client ID: MW-3 Batch ID: R88012 RunNo: 88012

Prep Date: Analysis Date: 5/13/2022 SeqNo: 3119614 Units: mg/L

Analyte Result POI SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual I owl imit

Chloride 50.00 12.84 5.0

Sample ID: 2205636-002BMSD SampType: msd TestCode: EPA Method 300.0: Anions

Client ID: Batch ID: R88012 RunNo: 88012

5.0

59

Prep Date: Analysis Date: 5/13/2022 SeqNo: 3119615 Units: mg/L

50.00

Analyte Result **PQL** SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual LowLimit 12.84

91.4

86.3

114

0.179

20

Qualifiers:

Chloride

- 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
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank
- Estimated value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2205636** *18-May-22*

Client: ENSOLUM
Project: Bruce R Sullivan 2

Sample ID: 100ng Ics	SampT	ype: LC :	S	Tes	TestCode: EPA Method 8260: Volatiles Short List								
Client ID: LCSW	Batcl	n ID: R8	8039	F	3039								
Prep Date:	Analysis D	Date: 5/ 1	16/2022	5	SeqNo: 31	120851	Units: µg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	19	1.0	20.00	0	97.4	70	130						
Toluene	18	1.0	20.00	0	87.9	70	130						
Surr: 1,2-Dichloroethane-d4	8.8		10.00		88.4	70	130						
Surr: 4-Bromofluorobenzene	9.5		10.00		94.9	70	130						
Surr: Dibromofluoromethane	7.8		10.00	78.4 70			130						
Surr: Toluene-d8	9.1		10.00	91.1 70			130						

Sample ID: 2205636-001ams	SampT	SampType: MS TestCode: EPA Method 8260: Volatiles Short List											
Client ID: MW-4	Batch	n ID: R8 8	8039	F									
Prep Date:	Analysis D)ate: 5/ 1	16/2022	5	SeqNo: 3	120853	Units: µg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	22	1.0	20.00	0	110	70	130		<u>, </u>				
Toluene	18	1.0	20.00	0	92.0	70	130						
Surr: 1,2-Dichloroethane-d4	9.6		10.00		95.9	70	130						
Surr: 4-Bromofluorobenzene	9.4		10.00		94.4	70	130						
Surr: Dibromofluoromethane	11		10.00		113	70	130						
Surr: Toluene-d8	9.3		10.00		93.1	70	130						

Sample ID: 2205636-001amsd	Samp	SampType: MSD TestCode: EPA Method 8260: Volatiles Short List										
Client ID: MW-4	Batcl	h ID: R8	8039	RunNo: 88039								
Prep Date:	Analysis [Date: 5/	16/2022	SeqNo: 3120854 Units: μg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	20	1.0	20.00	0	102	70	130	7.90	20			
Toluene	17	1.0	20.00	0	84.8	70	130	8.13	20			
Surr: 1,2-Dichloroethane-d4	9.6		10.00		95.8	70	130	0	0			
Surr: 4-Bromofluorobenzene	9.4		10.00		94.1	70	130	0	0			
Surr: Dibromofluoromethane	11		10.00		113	70	130	0	0			
Surr: Toluene-d8	9.2		10.00		91.8	70	130	0	0			

Sample ID: mb	SampType: MBLK TestCode: EPA Method 8260: Volatiles Short List											
Client ID: PBW	Batch	n ID: R8	8039	F	RunNo: 88	3039						
Prep Date:	Analysis D	Date: 5/	16/2022	5	SeqNo: 31	120859	Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	ND	1.0										
Toluene	ND	1.0										
Ethylbenzene	ND	1.0										
Methyl tert-butyl ether (MTBE)	ND	1.0										

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2205636**

18-May-22

Client: ENSOLUM

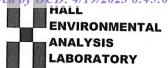
Project: Bruce R Sullivan 2

Sample ID: mb	SampT	уре: МВ	BLK	TestCode: EPA Method 8260: Volatiles Short List								
Client ID: PBW	Batch	n ID: R8	8039	F	RunNo: 88	3039						
Prep Date:	Analysis D	Date: 5/ *	16/2022	5	SeqNo: 31	120859	Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
1,2,4-Trimethylbenzene	ND	1.0										
1,3,5-Trimethylbenzene	ND	1.0										
1,2-Dichloroethane (EDC)	ND	1.0										
1,2-Dibromoethane (EDB)	ND	1.0										
Naphthalene	ND	2.0										
1-Methylnaphthalene	ND	4.0										
2-Methylnaphthalene	ND	4.0										
Xylenes, Total	ND	1.5										
Surr: 1,2-Dichloroethane-d4	9.3		10.00		92.5	70	130					
Surr: 4-Bromofluorobenzene	9.5		10.00		95.2	70	130					
Surr: Dibromofluoromethane	7.6		10.00	75.8 70			130					
Surr: Toluene-d8	9.6		10.00		95.8	70	130					

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: ENSOLUM	Work Order Nu	mber: 2205636		RcptNo: 1	
Received By: Juan Rojas	5/13/2022 7:00:0	0 AM	Heaven &		
Completed By: Tracy Casarrubias	5/13/2022 9:42:5		, –		
Reviewed By: Cmc	5/13/22	o Aivi			
Noviewed By.	5/13/12				
Chain of Custody					
Is Chain of Custody complete?		Yes 🗸	No 🗌	Not Present	
2. How was the sample delivered?		Courier		Not resem 🗀	
		<u>oounci</u>			
Log In		_		22.0	
3. Was an attempt made to cool the samples'	?	Yes 🗸	No 🗌	NA 🗌	
4. Were all samples received at a temperature	e of >0° C to 6.0°C	Yes 🗸	No 🗌	NA 🗆	
5. Sample(s) in proper container(s)?					
o. Sample(s) in proper container(s)?		Yes 🗸	No 🗌		
6. Sufficient sample volume for indicated test(s	s)?	Yes 🗸	No 🗌		
7. Are samples (except VOA and ONG) proper	ly preserved?	Yes 🗸	No 🗌		
8. Was preservative added to bottles?		Yes	No 🔽	NA 🗆	
9. Received at least 1 vial with headspace <1/4	1" for AQ VOA?	Yes	No 🗌	NA 🗹	
10. Were any sample containers received broke	en?	Yes	No 🗸		
44				# of preserved bottles checked	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗸	No 🗆	for pH:	
12. Are matrices correctly identified on Chain of	Custody?	Yes 🗹	No 🗆	(<2 or >12 d Adjusted?	inless noted)
13. Is it clear what analyses were requested?	oustody:	Yes ✓	No 🗆	/ tojublou:	
14. Were all holding times able to be met?		Yes 🗹	No 🗆	Checked by: KP/	5.12
(If no, notify customer for authorization.)				, 100	7 0 10
Special Handling (if applicable)					
15. Was client notified of all discrepancies with	this order?	Yes	No 🗌	NA 🔽	
Person Notified:	Date	:			
By Whom:	Via:	P	hone Fax	In Person	
Regarding:					
Client Instructions:					
16. Additional remarks:					
17. Cooler Information					
DESCRIPTION ASSESSMENT OF THE PROPERTY OF THE	eal Intact Seal No	Seal Date	Signed By		
1 1.5 Good Yes					

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Chain-of-Custody Record	Insolum		Mailing Address: උටර	N		Kgwmors@ensolun.com Project Manager:			□ A			Matrix	-	3	3	3	3	3					Relinquished by	Relinquished by:	Must	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

June 20, 2022

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: Bruce R Sullivan 2 OrderNo.: 2206779

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 5 sample(s) on 6/15/2022 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 Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 2206779

Date Reported: 6/20/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-4

 Project:
 Bruce R Sullivan 2
 Collection Date: 6/14/2022 9:05:00 AM

 Lab ID:
 2206779-001
 Matrix: AQUEOUS
 Received Date: 6/15/2022 7:00:00 AM

Result **RL Qual Units DF** Date Analyzed **Batch Analyses EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 22 5.0 mg/L 6/15/2022 11:53:36 PM A88779 **EPA METHOD 8260: VOLATILES SHORT LIST** Analyst: CCM Benzene ND 1.0 μg/L 6/16/2022 6:18:00 AM SL88743 Toluene ND 1.0 μg/L 1 6/16/2022 6:18:00 AM SL88743 Ethylbenzene ND 1.0 μg/L 6/16/2022 6:18:00 AM SL88743 Xylenes, Total ND 1.5 μg/L 6/16/2022 6:18:00 AM SL88743 Surr: 1,2-Dichloroethane-d4 90.8 70-130 %Rec 6/16/2022 6:18:00 AM SL88743 Surr: 4-Bromofluorobenzene 94.7 70-130 %Rec 6/16/2022 6:18:00 AM SL88743 Surr: Dibromofluoromethane 101 70-130 %Rec 1 6/16/2022 6:18:00 AM SL88743 Surr: Toluene-d8 95.3 70-130 %Rec 6/16/2022 6:18:00 AM SL88743

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 7

Lab Order **2206779**

Hall Environmental Analysis Laboratory, Inc. Date Reported: 6/20/2022

CLIENT: ENSOLUM Client Sample ID: MW-3

 Project:
 Bruce R Sullivan 2
 Collection Date: 6/14/2022 9:50:00 AM

 Lab ID:
 2206779-002
 Matrix: AQUEOUS
 Received Date: 6/15/2022 7:00:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: ЈМТ
Chloride	18	5.0	mg/L	10	6/16/2022 12:18:25 AM	A88779
EPA METHOD 8260: VOLATILES SHORT LIST					Analyst	: CCM
Benzene	ND	1.0	μg/L	1	6/16/2022 6:41:00 AM	SL88743
Toluene	ND	1.0	μg/L	1	6/16/2022 6:41:00 AM	SL88743
Ethylbenzene	ND	1.0	μg/L	1	6/16/2022 6:41:00 AM	SL88743
Xylenes, Total	ND	1.5	μg/L	1	6/16/2022 6:41:00 AM	SL88743
Surr: 1,2-Dichloroethane-d4	90.2	70-130	%Rec	1	6/16/2022 6:41:00 AM	SL88743
Surr: 4-Bromofluorobenzene	95.8	70-130	%Rec	1	6/16/2022 6:41:00 AM	SL88743
Surr: Dibromofluoromethane	102	70-130	%Rec	1	6/16/2022 6:41:00 AM	SL88743
Surr: Toluene-d8	94.7	70-130	%Rec	1	6/16/2022 6:41:00 AM	SL88743

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 7

Lab Order 2206779

Date Reported: 6/20/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-2

 Project:
 Bruce R Sullivan 2
 Collection Date: 6/14/2022 10:55:00 AM

 Lab ID:
 2206779-003
 Matrix: AQUEOUS
 Received Date: 6/15/2022 7:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Batch	
EPA METHOD 300.0: ANIONS					Analyst	:: JMT
Chloride	25	5.0	mg/L	10	6/16/2022 12:43:14 AM	A88779
EPA METHOD 8260: VOLATILES SHORT LIST					Analyst	: CCM
Benzene	ND	1.0	μg/L	1	6/16/2022 7:04:00 AM	SL88743
Toluene	ND	1.0	μg/L	1	6/16/2022 7:04:00 AM	SL88743
Ethylbenzene	ND	1.0	μg/L	1	6/16/2022 7:04:00 AM	SL88743
Xylenes, Total	ND	1.5	μg/L	1	6/16/2022 7:04:00 AM	SL88743
Surr: 1,2-Dichloroethane-d4	88.8	70-130	%Rec	1	6/16/2022 7:04:00 AM	SL88743
Surr: 4-Bromofluorobenzene	95.1	70-130	%Rec	1	6/16/2022 7:04:00 AM	SL88743
Surr: Dibromofluoromethane	99.7	70-130	%Rec	1	6/16/2022 7:04:00 AM	SL88743
Surr: Toluene-d8	94.8	70-130	%Rec	1	6/16/2022 7:04:00 AM	SL88743

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 Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 7

Lab Order **2206779**

Date Reported: 6/20/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-1R

 Project:
 Bruce R Sullivan 2
 Collection Date: 6/14/2022 11:55:00 AM

 Lab ID:
 2206779-004
 Matrix: AQUEOUS
 Received Date: 6/15/2022 7:00:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	:: ЈМТ
Chloride	31	5.0	mg/L	10	6/16/2022 1:08:03 AM	A88779
EPA METHOD 8260: VOLATILES SHORT LIST					Analyst	: CCM
Benzene	ND	1.0	μg/L	1	6/16/2022 7:27:00 AM	SL88743
Toluene	ND	1.0	μg/L	1	6/16/2022 7:27:00 AM	SL88743
Ethylbenzene	ND	1.0	μg/L	1	6/16/2022 7:27:00 AM	SL88743
Xylenes, Total	ND	1.5	μg/L	1	6/16/2022 7:27:00 AM	SL88743
Surr: 1,2-Dichloroethane-d4	89.9	70-130	%Rec	1	6/16/2022 7:27:00 AM	SL88743
Surr: 4-Bromofluorobenzene	96.0	70-130	%Rec	1	6/16/2022 7:27:00 AM	SL88743
Surr: Dibromofluoromethane	99.3	70-130	%Rec	1	6/16/2022 7:27:00 AM	SL88743
Surr: Toluene-d8	95.6	70-130	%Rec	1	6/16/2022 7:27:00 AM	SL88743

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 7

Lab Order 2206779

Date Reported: 6/20/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-5

 Project:
 Bruce R Sullivan 2
 Collection Date: 6/14/2022 12:30:00 PM

 Lab ID:
 2206779-005
 Matrix: AQUEOUS
 Received Date: 6/15/2022 7:00:00 AM

Analyses	Result	RL Q	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	:: ЈМТ
Chloride	42	5.0	mg/L	10	6/16/2022 1:57:42 AM	A88779
EPA METHOD 8260: VOLATILES SHORT LIST					Analys	: CCM
Benzene	ND	1.0	μg/L	1	6/16/2022 7:50:00 AM	SL88743
Toluene	ND	1.0	μg/L	1	6/16/2022 7:50:00 AM	SL88743
Ethylbenzene	ND	1.0	μg/L	1	6/16/2022 7:50:00 AM	SL88743
Xylenes, Total	ND	1.5	μg/L	1	6/16/2022 7:50:00 AM	SL88743
Surr: 1,2-Dichloroethane-d4	90.9	70-130	%Rec	1	6/16/2022 7:50:00 AM	SL88743
Surr: 4-Bromofluorobenzene	96.0	70-130	%Rec	1	6/16/2022 7:50:00 AM	SL88743
Surr: Dibromofluoromethane	99.6	70-130	%Rec	1	6/16/2022 7:50:00 AM	SL88743
Surr: Toluene-d8	95.6	70-130	%Rec	1	6/16/2022 7:50:00 AM	SL88743

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 7

Hall Environmental Analysis Laboratory, Inc.

WO#: **2206779**

20-Jun-22

Client: ENSOLUM

Project: Bruce R Sullivan 2

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBW Batch ID: A88779 RunNo: 88779

Prep Date: Analysis Date: 6/15/2022 SeqNo: 3152033 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 0.50

Sample ID: LCS SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSW Batch ID: A88779 RunNo: 88779

Prep Date: Analysis Date: 6/15/2022 SeqNo: 3152034 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 4.8 0.50 5.000 0 96.5 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 Quantitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 6 of 7

Hall Environmental Analysis Laboratory, Inc.

WO#: **2206779**

20-Jun-22

Client: ENSOLUM
Project: Bruce R Sullivan 2

Sample ID: MB SampType: MBLK TestCode: EPA Method 8260: Volatiles Short List Client ID: PBW Batch ID: SL88743 RunNo: 88743 Prep Date: Analysis Date: 6/15/2022 SeqNo: 3152792 Units: µg/L Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Result Benzene ND 1.0 Toluene ND 1.0 ND Ethylbenzene 1.0 Methyl tert-butyl ether (MTBE) ND 1.0 1,2,4-Trimethylbenzene ND 1.0 1,3,5-Trimethylbenzene ND 1.0 1,2-Dichloroethane (EDC) ND 1.0 1,2-Dibromoethane (EDB) ND 1.0 Naphthalene ND 2.0 ND 1-Methylnaphthalene 4.0 2-Methylnaphthalene ND 4.0 Xylenes, Total ND 1.5 70 Surr: 1,2-Dichloroethane-d4 9.1 10.00 90.5 130 Surr: 4-Bromofluorobenzene 9.7 10.00 96.6 70 130 Surr: Dibromofluoromethane 10 10.00 102 70 130 Surr: Toluene-d8 9.4 10.00 94.2 70 130

Sample ID: 100NG LCS	SampT	SampType: LCS TestCode: EPA Method 8260: Volatiles Short List								
Client ID: LCSW	Batcl	n ID: SL	88743	F	RunNo: 8	3743				
Prep Date:	Analysis D	Date: 6/	15/2022	9	SeqNo: 3	152793	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	97.5	70	130			
Toluene	21	1.0	20.00	0	103	70	130			
Surr: 1,2-Dichloroethane-d4	8.8		10.00		87.8	70	130			
Surr: 4-Bromofluorobenzene	9.6		10.00		95.5	70	130			
Surr: Dibromofluoromethane	9.8		10.00		97.8	70	130			
Surr: Toluene-d8	9.6		10.00		96.2	70	130			

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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 7 of 7



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **ENSOLUM** Work Order Number: 2206779 RcptNo: 1 Chal Salzota Received By: Cheyenne Cason 6/15/2022 7:00:00 AM Completed By: Sean Livingston 6/15/2022 8:01:07 AM Reviewed By: Jn6/15/22 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 🗌 NA \square Were all samples received at a temperature of >0° C to 6.0°C No \square Yes V NA 🗌 5. Sample(s) in proper container(s)? Yes 🗸 No 🗌 6. Sufficient sample volume for indicated test(s)? Yes 🗸 No 🗌 7. Are samples (except VOA and ONG) properly preserved? Yes 🗸 No 🗌 8. Was preservative added to bottles? No 🗸 Yes NA 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes 🗸 No 🗌 NA 🗌 10. Were any sample containers received broken? Yes 🗌 No V # of preserved bottles checked 11. Does paperwork match bottle labels? Yes 🗸 No 🗌 for pH: (Note discrepancies on chain of custody) (<2 or >12 unless noted) 12. Are matrices correctly identified on Chain of Custody? Adjusted? Yes 🗸 No 🗌 13. Is it clear what analyses were requested? ~ No 🗌 Checked by: KNG 6.15.22 14. Were all holding times able to be met? Yes 🗸 No 🗌 (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes 🗌 No 🗌 NA 🗸 Person Notified: Date: By Whom: eMail Phone Fax In Person Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By

2

1.1

2.7

Good

Good

If necessary, samples submitted to Hall Environmental may be subco	eived by: Relinquished by: What Walls	122 MO9	!	23 8:4	(5:08	AM		414/2172:30 W NW-5	Graph-11:55 CV MW-IR	14/22 10:55 WW-2	6/19/22 9:50 UV MW-3	6/14/22 9:05 W MW-4	Date Time Matrix Sample Name	□ EDD (Type)	□ NELAC □ Other		1	email or Fax#: Ksy www.case @wsshow.cox	Phone #:	Tuess. Wole	POLITICAL	glient: Enselver, LLC	of 120 Chain-of-Custody Record
If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.	Received by: Via: Date Time	Received by: Via: Date Time (14/12)409						S CONTROL SO THE STATE OUTS	OH C	500 P	1500m/fm //	the state	servative	olers: 2 1.1 -6-	On Ice: PYes □ No	Summers.		Project Manager:	SEE COLLS		rioject name:	Standard □ Rush	Turn-Around Time:
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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

August 22, 2022

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: 20 1 Bruce R Sullivan 2 OrderNo.: 2208423

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 5 sample(s) on 8/6/2022 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 Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 8/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-1R

 Project:
 20 1 Bruce R Sullivan 2
 Collection Date: 8/5/2022 9:10:00 AM

 Lab ID:
 2208423-001
 Matrix: AQUEOUS
 Received Date: 8/6/2022 10:30:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	22	5.0	mg/L	10	8/13/2022 3:03:03 AM	A90235
EPA METHOD 8260B: VOLATILES					Analyst	CCM
Benzene	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
Toluene	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
Ethylbenzene	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
Methyl tert-butyl ether (MTBE)	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
1,2,4-Trimethylbenzene	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
1,3,5-Trimethylbenzene	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
1,2-Dichloroethane (EDC)	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
1,2-Dibromoethane (EDB)	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
Naphthalene	ND	2.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
1-Methylnaphthalene	ND	4.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
2-Methylnaphthalene	ND	4.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
Acetone	ND	10	μg/L	1	8/10/2022 7:40:00 PM	R90188
Bromobenzene	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
Bromodichloromethane	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
Bromoform	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
Bromomethane	ND	3.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
2-Butanone	ND	10	μg/L	1	8/10/2022 7:40:00 PM	R90188
Carbon disulfide	ND	10	μg/L	1	8/10/2022 7:40:00 PM	R90188
Carbon Tetrachloride	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
Chlorobenzene	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
Chloroethane	ND	2.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
Chloroform	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
Chloromethane	ND	3.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
2-Chlorotoluene	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
4-Chlorotoluene	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
cis-1,2-DCE	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
cis-1,3-Dichloropropene	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
1,2-Dibromo-3-chloropropane	ND	2.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
Dibromochloromethane	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
Dibromomethane	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
1,2-Dichlorobenzene	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
1,3-Dichlorobenzene	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
1,4-Dichlorobenzene	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
Dichlorodifluoromethane	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
1,1-Dichloroethane	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
1,1-Dichloroethene	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
1,2-Dichloropropane	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 14

Date Reported: 8/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-1R

 Project:
 20 1 Bruce R Sullivan 2
 Collection Date: 8/5/2022 9:10:00 AM

 Lab ID:
 2208423-001
 Matrix: AQUEOUS
 Received Date: 8/6/2022 10:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analyst	ССМ
1,3-Dichloropropane	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
2,2-Dichloropropane	ND	2.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
1,1-Dichloropropene	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
Hexachlorobutadiene	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
2-Hexanone	ND	10	μg/L	1	8/10/2022 7:40:00 PM	R90188
Isopropylbenzene	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
4-Isopropyltoluene	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
4-Methyl-2-pentanone	ND	10	μg/L	1	8/10/2022 7:40:00 PM	R90188
Methylene Chloride	ND	3.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
n-Butylbenzene	ND	3.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
n-Propylbenzene	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
sec-Butylbenzene	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
Styrene	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
tert-Butylbenzene	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
1,1,1,2-Tetrachloroethane	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
1,1,2,2-Tetrachloroethane	ND	2.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
Tetrachloroethene (PCE)	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
trans-1,2-DCE	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
trans-1,3-Dichloropropene	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
1,2,3-Trichlorobenzene	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
1,2,4-Trichlorobenzene	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
1,1,1-Trichloroethane	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
1,1,2-Trichloroethane	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
Trichloroethene (TCE)	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
Trichlorofluoromethane	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
1,2,3-Trichloropropane	ND	2.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
Vinyl chloride	ND	1.0	μg/L	1	8/10/2022 7:40:00 PM	R90188
Xylenes, Total	ND	1.5	μg/L	1	8/10/2022 7:40:00 PM	R90188
Surr: 1,2-Dichloroethane-d4	111	70-130	%Rec	1	8/10/2022 7:40:00 PM	R90188
Surr: 4-Bromofluorobenzene	98.1	70-130	%Rec	1	8/10/2022 7:40:00 PM	R90188
Surr: Dibromofluoromethane	107	70-130	%Rec	1	8/10/2022 7:40:00 PM	R90188
Surr: Toluene-d8	92.2	70-130	%Rec	1	8/10/2022 7:40:00 PM	R90188

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order **2208423**

Hall Environmental Analysis Laboratory, Inc. Date Reported: 8/22/2022

CLIENT: ENSOLUM Client Sample ID: MW-2

 Project:
 20 1 Bruce R Sullivan 2
 Collection Date: 8/5/2022 10:00:00 AM

 Lab ID:
 2208423-002
 Matrix: AQUEOUS
 Received Date: 8/6/2022 10:30:00 AM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	26	5.0	mg/L	10	8/13/2022 3:27:52 AM	A90235
EPA METHOD 8260B: VOLATILES					Analyst	ССМ
Benzene	ND	1.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
Toluene	ND	1.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
Ethylbenzene	ND	1.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
Methyl tert-butyl ether (MTBE)	ND	1.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
1,2,4-Trimethylbenzene	ND	1.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
1,3,5-Trimethylbenzene	ND	1.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
1,2-Dichloroethane (EDC)	ND	1.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
1,2-Dibromoethane (EDB)	ND	1.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
Naphthalene	ND	2.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
1-Methylnaphthalene	ND	4.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
2-Methylnaphthalene	ND	4.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
Acetone	ND	10	μg/L	1	8/10/2022 8:03:00 PM	R90188
Bromobenzene	ND	1.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
Bromodichloromethane	ND	1.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
Bromoform	ND	1.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
Bromomethane	ND	3.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
2-Butanone	ND	10	μg/L	1	8/10/2022 8:03:00 PM	R90188
Carbon disulfide	ND	10	μg/L	1	8/10/2022 8:03:00 PM	R90188
Carbon Tetrachloride	ND	1.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
Chlorobenzene	ND	1.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
Chloroethane	ND	2.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
Chloroform	ND	1.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
Chloromethane	ND	3.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
2-Chlorotoluene	ND	1.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
4-Chlorotoluene	ND	1.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
cis-1,2-DCE	ND	1.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
cis-1,3-Dichloropropene	ND	1.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
1,2-Dibromo-3-chloropropane	ND	2.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
Dibromochloromethane	ND	1.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
Dibromomethane	ND	1.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
1,2-Dichlorobenzene	ND	1.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
1,3-Dichlorobenzene	ND	1.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
1,4-Dichlorobenzene	ND	1.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
Dichlorodifluoromethane	ND	1.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
1,1-Dichloroethane	ND	1.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
1,1-Dichloroethene	ND	1.0	μg/L	1	8/10/2022 8:03:00 PM	R90188
1,2-Dichloropropane	ND	1.0	μg/L	1	8/10/2022 8:03:00 PM	R90188

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 14

2208423-002

Lab ID:

Analytical Report Lab Order 2208423

Received Date: 8/6/2022 10:30:00 AM

Date Reported: 8/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-2

Project: 20 1 Bruce R Sullivan 2 Collection Date: 8/5/2022 10:00:00 AM Matrix: AQUEOUS

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 8260B: VOLATILES** Analyst: CCM 8/10/2022 8:03:00 PM 1.3-Dichloropropane ND R90188 1.0 μg/L 1 2,2-Dichloropropane ND 2.0 μg/L 8/10/2022 8:03:00 PM R90188 ND 8/10/2022 8:03:00 PM 1,1-Dichloropropene 1.0 μg/L 1 R90188 Hexachlorobutadiene ND 1.0 μg/L 8/10/2022 8:03:00 PM R90188 2-Hexanone ND 10 μg/L 1 8/10/2022 8:03:00 PM R90188 Isopropylbenzene ND 1.0 μg/L 1 8/10/2022 8:03:00 PM R90188 ND 4-Isopropyltoluene 1.0 μg/L 1 8/10/2022 8:03:00 PM R90188 4-Methyl-2-pentanone ND 10 μg/L 1 8/10/2022 8:03:00 PM R90188 Methylene Chloride ND 3.0 μg/L 1 8/10/2022 8:03:00 PM R90188 n-Butylbenzene ND 3.0 8/10/2022 8:03:00 PM R90188 μg/L 1 n-Propylbenzene ND 1.0 µg/L 8/10/2022 8:03:00 PM R90188 sec-Butylbenzene ND 1.0 μg/L 1 8/10/2022 8:03:00 PM R90188 Styrene ND 1.0 µg/L 8/10/2022 8:03:00 PM R90188 ND 1.0 8/10/2022 8:03:00 PM R90188 tert-Butylbenzene μg/L 1 8/10/2022 8:03:00 PM R90188 1,1,1,2-Tetrachloroethane ND 1.0 μg/L 1 2.0 1,1,2,2-Tetrachloroethane ND μg/L 1 8/10/2022 8:03:00 PM R90188 Tetrachloroethene (PCE) ND 1.0 μg/L 1 8/10/2022 8:03:00 PM R90188 trans-1,2-DCE ND 1.0 µg/L 1 8/10/2022 8:03:00 PM R90188 trans-1,3-Dichloropropene ND 1.0 8/10/2022 8:03:00 PM R90188 μg/L 1 1,2,3-Trichlorobenzene ND 1.0 μg/L 1 8/10/2022 8:03:00 PM R90188 ND 1,2,4-Trichlorobenzene 1.0 μg/L 1 8/10/2022 8:03:00 PM R90188 1,1,1-Trichloroethane ND 1.0 µg/L 8/10/2022 8:03:00 PM R90188 1 ND 8/10/2022 8:03:00 PM 1,1,2-Trichloroethane 1.0 μg/L 1 R90188 Trichloroethene (TCE) ND 1.0 μg/L 1 8/10/2022 8:03:00 PM R90188 ND Trichlorofluoromethane 1.0 μg/L 1 8/10/2022 8:03:00 PM R90188 1,2,3-Trichloropropane ND 2.0 μg/L 1 8/10/2022 8:03:00 PM R90188 Vinyl chloride ND 1.0 μg/L 1 8/10/2022 8:03:00 PM R90188 μg/L Xylenes, Total ND 1.5 1 8/10/2022 8:03:00 PM R90188 Surr: 1,2-Dichloroethane-d4 114 70-130 %Rec 1 8/10/2022 8:03:00 PM R90188 Surr: 4-Bromofluorobenzene 97.5 70-130 %Rec 1 R90188 8/10/2022 8:03:00 PM Surr: Dibromofluoromethane 108 70-130 %Rec 1 8/10/2022 8:03:00 PM R90188 Surr: Toluene-d8 92.2 70-130 %Rec 8/10/2022 8:03:00 PM R90188

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
- Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank
- Е Estimated value
- Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 4 of 14

Lab Order **2208423**Date Reported: **8/22/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-3

 Project:
 20 1 Bruce R Sullivan 2
 Collection Date: 8/5/2022 10:40:00 AM

 Lab ID:
 2208423-003
 Matrix: AQUEOUS
 Received Date: 8/6/2022 10:30:00 AM

Result **RL Oual Units DF** Date Analyzed Analyses **Batch EPA METHOD 300.0: ANIONS** Analyst: JTT Chloride 23 5.0 mg/L 8/11/2022 12:39:04 PM R90213 **EPA METHOD 8260B: VOLATILES** Analyst: CCM Benzene ND 1.0 µg/L 1 8/10/2022 8:26:00 PM R90188 Toluene ND 1.0 1 8/10/2022 8:26:00 PM R90188 μg/L Ethylbenzene ND 1.0 μg/L 1 8/10/2022 8:26:00 PM R90188 Methyl tert-butyl ether (MTBE) ND 1.0 μg/L 1 8/10/2022 8:26:00 PM R90188 1,2,4-Trimethylbenzene ND 1.0 μg/L 1 8/10/2022 8:26:00 PM R90188 1,3,5-Trimethylbenzene ND 1.0 μg/L 1 8/10/2022 8:26:00 PM R90188 1,2-Dichloroethane (EDC) ND 1.0 8/10/2022 8:26:00 PM R90188 μg/L 1 1,2-Dibromoethane (EDB) ND 1.0 µg/L 1 8/10/2022 8:26:00 PM R90188 Naphthalene ND 2.0 μg/L 1 8/10/2022 8:26:00 PM R90188 1-Methylnaphthalene ND 4.0 μg/L 8/10/2022 8:26:00 PM R90188 2-Methylnaphthalene ND 4.0 μg/L 1 8/10/2022 8:26:00 PM R90188 8/10/2022 8:26:00 PM Acetone ND 10 μg/L R90188 ND 1.0 1 8/10/2022 8:26:00 PM R90188 Bromobenzene μg/L Bromodichloromethane ND 1.0 μg/L 1 8/10/2022 8:26:00 PM R90188 **Bromoform** ND 1.0 μg/L 1 8/10/2022 8:26:00 PM R90188 Bromomethane ND 3.0 μg/L 1 8/10/2022 8:26:00 PM R90188 2-Butanone ND 10 μg/L 1 8/10/2022 8:26:00 PM R90188 ND Carbon disulfide 10 μg/L 8/10/2022 8:26:00 PM R90188 1 Carbon Tetrachloride ND μg/L 8/10/2022 8:26:00 PM 1.0 R90188 Chlorobenzene ND 1.0 μg/L 1 8/10/2022 8:26:00 PM R90188 Chloroethane ND 2.0 µq/L 1 8/10/2022 8:26:00 PM R90188 Chloroform ND 1.0 μg/L 1 8/10/2022 8:26:00 PM R90188 Chloromethane ND 3.0 μg/L 1 8/10/2022 8:26:00 PM R90188 2-Chlorotoluene ND 1.0 μg/L 1 8/10/2022 8:26:00 PM R90188 4-Chlorotoluene ND 1.0 μg/L 1 8/10/2022 8:26:00 PM R90188 cis-1,2-DCE ND 1.0 µg/L 1 8/10/2022 8:26:00 PM R90188 ND cis-1,3-Dichloropropene 1.0 μg/L 1 8/10/2022 8:26:00 PM R90188 1,2-Dibromo-3-chloropropane ND 2.0 μg/L 1 8/10/2022 8:26:00 PM R90188 ND Dibromochloromethane 1.0 1 8/10/2022 8:26:00 PM R90188 μg/L Dibromomethane ND 1.0 μg/L 1 8/10/2022 8:26:00 PM R90188 ND 1,2-Dichlorobenzene 1.0 μg/L 1 8/10/2022 8:26:00 PM R90188 1,3-Dichlorobenzene ND 1.0 µq/L 1 8/10/2022 8:26:00 PM R90188 ND 1,4-Dichlorobenzene 1.0 µg/L 1 8/10/2022 8:26:00 PM R90188 Dichlorodifluoromethane ND 1.0 µg/L 1 8/10/2022 8:26:00 PM R90188 1,1-Dichloroethane ND 1.0 μg/L 1 8/10/2022 8:26:00 PM R90188 1,1-Dichloroethene ND 1.0 μg/L 1 8/10/2022 8:26:00 PM R90188 ND 1,2-Dichloropropane 1.0 µg/L 8/10/2022 8:26:00 PM R90188

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 8/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-3

 Project:
 20 1 Bruce R Sullivan 2
 Collection Date: 8/5/2022 10:40:00 AM

 Lab ID:
 2208423-003
 Matrix: AQUEOUS
 Received Date: 8/6/2022 10:30:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 8260B: VOLATILES** Analyst: CCM 8/10/2022 8:26:00 PM 1.3-Dichloropropane ND R90188 1.0 μg/L 1 2,2-Dichloropropane ND 2.0 μg/L 8/10/2022 8:26:00 PM R90188 ND 1,1-Dichloropropene 1.0 μg/L 1 8/10/2022 8:26:00 PM R90188 Hexachlorobutadiene ND 1.0 μg/L 8/10/2022 8:26:00 PM R90188 2-Hexanone ND 10 μg/L 1 8/10/2022 8:26:00 PM R90188 Isopropylbenzene ND 1.0 μg/L 1 8/10/2022 8:26:00 PM R90188 ND 4-Isopropyltoluene 1.0 μg/L 1 8/10/2022 8:26:00 PM R90188 4-Methyl-2-pentanone ND 10 μg/L 1 8/10/2022 8:26:00 PM R90188 Methylene Chloride ND 3.0 μg/L 1 8/10/2022 8:26:00 PM R90188 n-Butylbenzene ND 3.0 8/10/2022 8:26:00 PM R90188 μg/L 1 n-Propylbenzene ND 1.0 µg/L 8/10/2022 8:26:00 PM R90188 sec-Butylbenzene ND 1.0 μg/L 1 8/10/2022 8:26:00 PM R90188 Styrene ND 1.0 μg/L 8/10/2022 8:26:00 PM R90188 ND 1.0 8/10/2022 8:26:00 PM R90188 tert-Butylbenzene μg/L 1 ND 8/10/2022 8:26:00 PM R90188 1,1,1,2-Tetrachloroethane 1.0 μg/L 1 2.0 1,1,2,2-Tetrachloroethane ND μg/L 1 8/10/2022 8:26:00 PM R90188 Tetrachloroethene (PCE) ND 1.0 μg/L 1 8/10/2022 8:26:00 PM R90188 trans-1,2-DCE ND 1.0 µg/L 1 8/10/2022 8:26:00 PM R90188 trans-1,3-Dichloropropene ND 1.0 8/10/2022 8:26:00 PM R90188 μg/L 1 1,2,3-Trichlorobenzene ND 1.0 μg/L 1 8/10/2022 8:26:00 PM R90188 ND 1,2,4-Trichlorobenzene 1.0 μg/L 1 8/10/2022 8:26:00 PM R90188 1,1,1-Trichloroethane ND 1.0 μg/L 8/10/2022 8:26:00 PM R90188 1 ND 8/10/2022 8:26:00 PM 1,1,2-Trichloroethane 1.0 μg/L 1 R90188 Trichloroethene (TCE) ND 1.0 μg/L 1 8/10/2022 8:26:00 PM R90188 ND Trichlorofluoromethane 1.0 μg/L 1 8/10/2022 8:26:00 PM R90188 1,2,3-Trichloropropane ND 2.0 μg/L 1 8/10/2022 8:26:00 PM R90188 Vinyl chloride ND 1.0 μg/L 1 8/10/2022 8:26:00 PM R90188 μg/L Xylenes, Total ND 1.5 1 8/10/2022 8:26:00 PM R90188 Surr: 1,2-Dichloroethane-d4 113 70-130 %Rec 1 8/10/2022 8:26:00 PM R90188 Surr: 4-Bromofluorobenzene 97.3 70-130 %Rec 1 R90188 8/10/2022 8:26:00 PM Surr: Dibromofluoromethane 105 70-130 %Rec 1 8/10/2022 8:26:00 PM R90188 Surr: Toluene-d8 90.9 70-130 %Rec 8/10/2022 8:26:00 PM R90188

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 14

Lab Order 2208423

Date Reported: 8/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-4

 Project:
 20 1 Bruce R Sullivan 2
 Collection Date: 8/5/2022 11:15:00 AM

 Lab ID:
 2208423-004
 Matrix: AQUEOUS
 Received Date: 8/6/2022 10:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JTT
Chloride	27	5.0	mg/L	10	8/11/2022 1:03:54 PM	R90213
EPA METHOD 8260B: VOLATILES					Analyst	: CCM
Benzene	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
Toluene	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
Ethylbenzene	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
Methyl tert-butyl ether (MTBE)	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
1,2,4-Trimethylbenzene	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
1,3,5-Trimethylbenzene	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
1,2-Dichloroethane (EDC)	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
1,2-Dibromoethane (EDB)	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
Naphthalene	ND	2.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
1-Methylnaphthalene	ND	4.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
2-Methylnaphthalene	ND	4.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
Acetone	ND	10	μg/L	1	8/10/2022 8:49:00 PM	R90188
Bromobenzene	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
Bromodichloromethane	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
Bromoform	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
Bromomethane	ND	3.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
2-Butanone	ND	10	μg/L	1	8/10/2022 8:49:00 PM	R90188
Carbon disulfide	ND	10	μg/L	1	8/10/2022 8:49:00 PM	R90188
Carbon Tetrachloride	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
Chlorobenzene	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
Chloroethane	ND	2.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
Chloroform	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
Chloromethane	ND	3.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
2-Chlorotoluene	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
4-Chlorotoluene	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
cis-1,2-DCE	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
cis-1,3-Dichloropropene	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
1,2-Dibromo-3-chloropropane	ND	2.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
Dibromochloromethane	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
Dibromomethane	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
1,2-Dichlorobenzene	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
1,3-Dichlorobenzene	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
1,4-Dichlorobenzene	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
Dichlorodifluoromethane	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
1,1-Dichloroethane	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
1,1-Dichloroethene	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
1,2-Dichloropropane	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 8/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-4

 Project:
 20 1 Bruce R Sullivan 2
 Collection Date: 8/5/2022 11:15:00 AM

 Lab ID:
 2208423-004
 Matrix: AQUEOUS
 Received Date: 8/6/2022 10:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analyst	: CCM
1,3-Dichloropropane	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
2,2-Dichloropropane	ND	2.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
1,1-Dichloropropene	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
Hexachlorobutadiene	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
2-Hexanone	ND	10	μg/L	1	8/10/2022 8:49:00 PM	R90188
Isopropylbenzene	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
4-Isopropyltoluene	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
4-Methyl-2-pentanone	ND	10	μg/L	1	8/10/2022 8:49:00 PM	R90188
Methylene Chloride	ND	3.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
n-Butylbenzene	ND	3.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
n-Propylbenzene	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
sec-Butylbenzene	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
Styrene	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
tert-Butylbenzene	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
1,1,1,2-Tetrachloroethane	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
1,1,2,2-Tetrachloroethane	ND	2.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
Tetrachloroethene (PCE)	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
trans-1,2-DCE	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
trans-1,3-Dichloropropene	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
1,2,3-Trichlorobenzene	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
1,2,4-Trichlorobenzene	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
1,1,1-Trichloroethane	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
1,1,2-Trichloroethane	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
Trichloroethene (TCE)	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
Trichlorofluoromethane	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
1,2,3-Trichloropropane	ND	2.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
Vinyl chloride	ND	1.0	μg/L	1	8/10/2022 8:49:00 PM	R90188
Xylenes, Total	ND	1.5	μg/L	1	8/10/2022 8:49:00 PM	R90188
Surr: 1,2-Dichloroethane-d4	115	70-130	%Rec	1	8/10/2022 8:49:00 PM	R90188
Surr: 4-Bromofluorobenzene	97.8	70-130	%Rec	1	8/10/2022 8:49:00 PM	R90188
Surr: Dibromofluoromethane	110	70-130	%Rec	1	8/10/2022 8:49:00 PM	R90188
Surr: Toluene-d8	91.7	70-130	%Rec	1	8/10/2022 8:49:00 PM	R90188

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order 2208423

Hall Environmental Analysis Laboratory, Inc. Date Reported: 8/22/2022

CLIENT: ENSOLUM Client Sample ID: MW-5

 Project:
 20 1 Bruce R Sullivan 2
 Collection Date: 8/5/2022 11:55:00 AM

 Lab ID:
 2208423-005
 Matrix: AQUEOUS
 Received Date: 8/6/2022 10:30:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	JTT
Chloride	37	5.0	mg/L	10	8/11/2022 1:28:44 PM	R90213
EPA METHOD 8260B: VOLATILES					Analyst	ССМ
Benzene	ND	1.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
Toluene	ND	1.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
Ethylbenzene	ND	1.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
Methyl tert-butyl ether (MTBE)	ND	1.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
1,2,4-Trimethylbenzene	ND	1.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
1,3,5-Trimethylbenzene	ND	1.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
1,2-Dichloroethane (EDC)	ND	1.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
1,2-Dibromoethane (EDB)	ND	1.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
Naphthalene	ND	2.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
1-Methylnaphthalene	ND	4.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
2-Methylnaphthalene	ND	4.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
Acetone	ND	10	μg/L	1	8/10/2022 9:12:00 PM	R90188
Bromobenzene	ND	1.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
Bromodichloromethane	ND	1.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
Bromoform	ND	1.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
Bromomethane	ND	3.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
2-Butanone	ND	10	μg/L	1	8/10/2022 9:12:00 PM	R90188
Carbon disulfide	ND	10	μg/L	1	8/10/2022 9:12:00 PM	R90188
Carbon Tetrachloride	ND	1.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
Chlorobenzene	ND	1.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
Chloroethane	ND	2.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
Chloroform	ND	1.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
Chloromethane	ND	3.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
2-Chlorotoluene	ND	1.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
4-Chlorotoluene	ND	1.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
cis-1,2-DCE	ND	1.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
cis-1,3-Dichloropropene	ND	1.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
1,2-Dibromo-3-chloropropane	ND	2.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
Dibromochloromethane	ND	1.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
Dibromomethane	ND	1.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
1,2-Dichlorobenzene	ND	1.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
1,3-Dichlorobenzene	ND	1.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
1,4-Dichlorobenzene	ND	1.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
Dichlorodifluoromethane	ND	1.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
1,1-Dichloroethane	ND	1.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
1,1-Dichloroethene	ND	1.0	μg/L	1	8/10/2022 9:12:00 PM	R90188
1,2-Dichloropropane	ND	1.0	μg/L	1	8/10/2022 9:12:00 PM	R90188

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 8/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-5

 Project:
 20 1 Bruce R Sullivan 2
 Collection Date: 8/5/2022 11:55:00 AM

 Lab ID:
 2208423-005
 Matrix: AQUEOUS
 Received Date: 8/6/2022 10:30:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 8260B: VOLATILES** Analyst: CCM 8/10/2022 9:12:00 PM 1.3-Dichloropropane ND R90188 1.0 μg/L 1 2,2-Dichloropropane ND 2.0 μg/L 8/10/2022 9:12:00 PM R90188 ND 8/10/2022 9:12:00 PM 1,1-Dichloropropene 1.0 μg/L 1 R90188 8/10/2022 9:12:00 PM Hexachlorobutadiene ND 1.0 μg/L R90188 2-Hexanone ND 10 μg/L 1 8/10/2022 9:12:00 PM R90188 Isopropylbenzene ND 1.0 μg/L 1 8/10/2022 9:12:00 PM R90188 ND 4-Isopropyltoluene 1.0 μg/L 1 8/10/2022 9:12:00 PM R90188 4-Methyl-2-pentanone ND 10 μg/L 1 8/10/2022 9:12:00 PM R90188 Methylene Chloride ND 3.0 μg/L 1 8/10/2022 9:12:00 PM R90188 n-Butylbenzene ND 3.0 8/10/2022 9:12:00 PM R90188 μg/L 1 n-Propylbenzene ND 1.0 µg/L 8/10/2022 9:12:00 PM R90188 sec-Butylbenzene ND 1.0 μg/L 1 8/10/2022 9:12:00 PM R90188 Styrene ND 1.0 μg/L 8/10/2022 9:12:00 PM R90188 ND 1.0 8/10/2022 9:12:00 PM R90188 tert-Butylbenzene μg/L 1 8/10/2022 9:12:00 PM R90188 1,1,1,2-Tetrachloroethane ND 1.0 μg/L 1 2.0 1,1,2,2-Tetrachloroethane ND μg/L 1 8/10/2022 9:12:00 PM R90188 Tetrachloroethene (PCE) ND 1.0 μg/L 1 8/10/2022 9:12:00 PM R90188 trans-1,2-DCE ND 1.0 µg/L 1 8/10/2022 9:12:00 PM R90188 trans-1,3-Dichloropropene ND 1.0 μg/L 8/10/2022 9:12:00 PM R90188 1 1,2,3-Trichlorobenzene ND 1.0 μg/L 1 8/10/2022 9:12:00 PM R90188 ND 1,2,4-Trichlorobenzene 1.0 μg/L 1 8/10/2022 9:12:00 PM R90188 1,1,1-Trichloroethane ND 1.0 μg/L 8/10/2022 9:12:00 PM R90188 1 ND 8/10/2022 9:12:00 PM 1,1,2-Trichloroethane 1.0 μg/L 1 R90188 Trichloroethene (TCE) 8/10/2022 9:12:00 PM ND 1.0 μg/L R90188 ND Trichlorofluoromethane 1.0 μg/L 1 8/10/2022 9:12:00 PM R90188 1,2,3-Trichloropropane ND 2.0 μg/L 1 8/10/2022 9:12:00 PM R90188 Vinyl chloride ND 1.0 μg/L 1 8/10/2022 9:12:00 PM R90188 μg/L Xylenes, Total ND 1.5 1 8/10/2022 9:12:00 PM R90188 Surr: 1,2-Dichloroethane-d4 113 70-130 %Rec 1 8/10/2022 9:12:00 PM R90188 Surr: 4-Bromofluorobenzene 96.3 70-130 %Rec 1 8/10/2022 9:12:00 PM R90188 Surr: Dibromofluoromethane 109 70-130 %Rec 1 8/10/2022 9:12:00 PM R90188 Surr: Toluene-d8 91.5 70-130 %Rec 8/10/2022 9:12:00 PM R90188

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 10 of 14

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208423 22-Aug-22

Client: ENSOLUM

Project: 20 1 Bruce R Sullivan 2

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBW Batch ID: R90213 RunNo: 90213

Prep Date: Analysis Date: 8/11/2022 SeqNo: 3217282 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 0.50

Sample ID: LCS SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSW Batch ID: R90213 RunNo: 90213

Prep Date: Analysis Date: 8/11/2022 SeqNo: 3217283 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 4.6 0.50 5.000 0 91.8 90 110

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBW Batch ID: A90235 RunNo: 90235

Prep Date: Analysis Date: 8/13/2022 SeqNo: 3219880 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 0.50

Sample ID: LCS SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSW Batch ID: A90235 RunNo: 90235

Prep Date: Analysis Date: 8/13/2022 SeqNo: 3219881 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 4.7 0.50 5.000 0 93.6 90 110

Sample ID: 2208423-002BMS SampType: ms TestCode: EPA Method 300.0: Anions

Client ID: **MW-2** Batch ID: **A90235** RunNo: **90235**

Prep Date: Analysis Date: 8/13/2022 SeqNo: 3219885 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 73 5.0 50.00 25.76 93.8 86.3 114

Sample ID: 2208423-002BMSD SampType: msd TestCode: EPA Method 300.0: Anions

Client ID: **MW-2** Batch ID: **A90235** RunNo: **90235**

Prep Date: Analysis Date: 8/13/2022 SeqNo: 3219886 Units: mg/L

SPK value SPK Ref Val %REC Analyte Result **PQL** LowLimit HighLimit %RPD **RPDLimit** Qual Chloride 73 5.0 50.00 93.7 86.3 0.0110 20

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 range due to dilution or matrix interference
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- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Result

WO#: **2208423 22-***Aug-22*

Client: ENSOLUM

Project: 20 1 Bruce R Sullivan 2

Sample ID: 100ng lcs	SampT	npType: LCS TestCode: EPA Method				PA Method	8260B: VOL	ATILES		
Client ID: LCSW	Batch	1D: R9	0188	F	RunNo: 9	0188				
Prep Date:	Analysis D	ate: 8/	10/2022	SeqNo: 3216145			Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	109	70	130			
Toluene	20	1.0	20.00	0	98.5	70	130			
Chlorobenzene	20	1.0	20.00	0	99.3	70	130			
1,1-Dichloroethene	20	1.0	20.00	0	98.8	70	130			
Trichloroethene (TCE)	21	1.0	20.00	0	103	70	130			
Surr: 1,2-Dichloroethane-d4	11		10.00		114	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		98.9	70	130			
Surr: Dibromofluoromethane	11		10.00		108	70	130			
Surr: Toluene-d8	9.3		10.00		92.9	70	130			

Sample ID: mb SampType: MBLK TestCode: EPA Method 8260B: VOLATILES

Client ID: PBW Batch ID: R90188 RunNo: 90188

Prep Date: Analysis Date: 8/10/2022 SeqNo: 3216147 Units: µg/L

HighLimit

%RPD

RPDLimit

Qual

PQL SPK value SPK Ref Val %REC LowLimit

Benzene	ND	1.0
Toluene	ND	1.0
Ethylbenzene	ND	1.0
Methyl tert-butyl ether (MTBE)	ND	1.0
1,2,4-Trimethylbenzene	ND	1.0
1,3,5-Trimethylbenzene	ND	1.0
1,2-Dichloroethane (EDC)	ND	1.0
1,2-Dibromoethane (EDB)	ND	1.0
Naphthalene	ND	2.0
1-Methylnaphthalene	ND	4.0
2-Methylnaphthalene	ND	4.0
Acetone	ND	10
Bromobenzene	ND	1.0
Bromodichloromethane	ND	1.0
Bromoform	ND	1.0
Bromomethane	ND	3.0
2-Butanone	ND	10
Carbon disulfide	ND	10
Carbon Tetrachloride	ND	1.0
Chlorobenzene	ND	1.0
Chloroethane	ND	2.0
Chloroform	ND	1.0
Chloromethane	ND	3.0
2-Chlorotoluene	ND	1.0

Qualifiers:

Analyte

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
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- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 12 of 14

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208423 22-Aug-22

Client: ENSOLUM

Project: 20 1 Bruce R Sullivan 2

Sample ID: mb SampType: MBLK TestCode: EPA Method 8260B: VOLATILES

0	_ :	,,		_						
Client ID: PBW		n ID: R9			RunNo: 90					
Prep Date:	Analysis Date: 8/10/2022			S	SeqNo: 32	216147	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
. ,										

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 13 of 14

Hall Environmental Analysis Laboratory, Inc.

2208423 22-Aug-22

WO#:

Client: ENSOLUM

Project: 20 1 Bruce R Sullivan 2

Sample ID: mb	SampType: MBLK			Tes						
Client ID: PBW	Batch ID: R90188			RunNo: 90188						
Prep Date:	Analysis Date: 8/10/2022			SeqNo: 3216147			Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	11		10.00		115	70	130			
Surr: 4-Bromofluorobenzene	9.6		10.00		96.3	70	130			
Surr: Dibromofluoromethane	11		10.00		111	70	130			
Surr: Toluene-d8	9.1		10.00		91.1	70	130			

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
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 14 of 14



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

Sample Log-In Check List

Client Na	me: ENSOLI	JM	Work Order No	umber: 2208423		RcptNo: 1	
Received	By: Tracy (Casarrubias	8/6/2022 10:30:0	00 AM			
Completed	d By: Tracy (Casarrubias	8/6/2022 2:01:24	₽M			
Reviewed	By: Ins/	8/22					
Chain of	Custody						
1. Is Chair	n of Custody cor	mplete?		Yes 🗸	No 🗌	Not Present	
2. How wa	is the sample de	elivered?		Courier			
Log In							
3. Was an	attempt made t	o cool the sa	mples?	Yes 🗸	No 🗌	NA 🗆	
4. Were all	samples receiv	ed at a tempe	erature of >0° C to 6.0°C	Yes 🗸	No 🗌	NA 🗆	
5. Sample((s) in proper con	tainer(s)?		Yes 🗸	No 🗌		
6. Sufficient	t sample volume	e for indicated	test(s)?	Yes 🗸	No 🗌		
7. Are samp	oles (except VO	A and ONG)	properly preserved?	Yes 🗸	No 🗌		
8. Was pres	servative added	to bottles?		Yes	No 🗹	NA 🗆	
9. Received	l at least 1 vial v	vith headspac	ce <1/4" for AQ VOA?	Yes 🗸	No 🗌	NA 🗌	
10. Were any	y sample contai	ners received	broken?	Yes	No 🗸		
						# of preserved bottles checked	
	oerwork match b crepancies on c		4. 3	Yes 🗸		for pH:	
			ain of Custody?	v		(<2 or >12 unless Adjusted?	noted)
	what analyses			Yes ✓ Yes ✓	No □	Adjusted?	
14. Were all h	holding times ab	le to be met?)	Yes 🗹	No 🗆 /	Checked by: KKA 8	.08.
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	ndling (if ap		s with this order?	Yes 🗌			
	rson Notified:	Г	Date	National Control of Co	No 📙	NA 🗹	
Ву	Whom:	,	Via:		hana 🗆 🖘	7. 5	
Reg	garding:		VIG.		hone Fax	In Person	
Clie	ent Instructions:						
16. Additiona	al remarks:						
17. <u>Cooler Ir</u>	nformation						
Cooler		Condition	Seal Intact Seal No	Seal Date	Signed By		
1 2	5.5	Good	Yes				
2	2.7	Good	Yes				

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Chain-of-Custody Record	Frselum, HC		Mailing Address: 1006 S, Rio Grande, Suite	Aztec, NM 84410	_	email or Fax#: KSWMMES@ ensalum, can Project Manag	QA/QC Package:		ition:	☐ EDD (Type)			Time	910	1000	0401	5	1155				-				7335 7335	D.C.	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

April 12, 2023

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: Bruce R Sullivan 2 OrderNo.: 2304270

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 3 sample(s) on 4/6/2023 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 Freeman

Laboratory Manager

Indest

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 2304270

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-5

Bruce R Sullivan 2 **Collection Date:** 4/5/2023 11:05:00 AM **Project:** Lab ID: 2304270-001 Matrix: AQUEOUS Received Date: 4/6/2023 6:15:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: CAS
Sulfate	4400	50	*	mg/L	100	4/6/2023 3:31:42 PM	R95853
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analys	t: RBC
Total Dissolved Solids	6650	50.0	*	mg/L	1	4/11/2023 3:36:00 PM	74217

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

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

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

Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

Sample pH Not In Range

RLReporting Limit Page 1 of 5

Analytical Report Lab Order 2304270

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-4

Bruce R Sullivan 2 **Collection Date:** 4/5/2023 11:40:00 AM **Project:** 2304270-002 Matrix: AQUEOUS Received Date: 4/6/2023 6:15:00 AM Lab ID:

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	st: CAS
Sulfate	680	50	*	mg/L	100	4/6/2023 3:57:25 PM	R95853
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analys	st: RBC
Total Dissolved Solids	1210	50.0	*	mg/L	1	4/11/2023 3:36:00 PM	74217

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

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

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

Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 2 of 5

Analytical Report Lab Order 2304270

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: MW-1R

Bruce R Sullivan 2 Collection Date: 4/5/2023 12:20:00 PM **Project:** Lab ID: 2304270-003 Matrix: AQUEOUS Received Date: 4/6/2023 6:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	st: CAS
Sulfate	1900	50	*	mg/L	100	4/6/2023 4:48:53 PM	R95853
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analys	st: RBC
Total Dissolved Solids	3210	100	*D	mg/L	1	4/11/2023 3:36:00 PM	74217

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

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

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

Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 3 of 5

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2304270**

12-Apr-23

Client: ENSOLUM

Project: Bruce R Sullivan 2

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBW Batch ID: R95853 RunNo: 95853

Prep Date: Analysis Date: 4/6/2023 SeqNo: 3470030 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Sulfate ND 0.50

Sample ID: LCS SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSW Batch ID: R95853 RunNo: 95853

Prep Date: Analysis Date: 4/6/2023 SeqNo: 3470031 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Sulfate 9.3 0.50 10.00 0 93.0 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

Page 4 of 5

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2304270**

12-Apr-23

Client: ENSOLUM

Project: Bruce R Sullivan 2

Sample ID: MB-74217 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 74217 RunNo: 95921

Prep Date: 4/10/2023 Analysis Date: 4/11/2023 SeqNo: 3473716 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids ND 50.0

Sample ID: LCS-74217 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 74217 RunNo: 95921

Prep Date: 4/10/2023 Analysis Date: 4/11/2023 SeqNo: 3473717 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 984 50.0 1000 0 98.4 80 120

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

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 5

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 8/16/2024 8:16:05 AM

Client Name:	ENSOLUM		Work	Order Numbe	er: 2304270			RcptNo:	1
Received By:	Tracy Casa	ırrubias	4/6/2023	3 6:15:00 AM					
Completed By:	Tracy Casa	ırrubias	4/6/2023	8:40:08 AM					
Reviewed By:	gnyl	6/23							
Chain of Cust	ody					_	_	_	
1. Is Chain of Cu	stody comple	ete?			Yes 🗹	No [Not Pres	sent 📙	
2. How was the s	sample delive	ered?			Courier				
Log In							٦		
3. Was an attem	pt made to c	ool the sampl	es?		Yes 🗹	No 🗆	j	na 🗌	
4. Were all samp	les received	at a temperat	ure of >0° C	to 6.0°C	Yes 🗹	No []	na 🗆	
5. Sample(s) in p	roper contain	ner(s)?			Yes 🗹	No []		
6. Sufficient sam	ple volume fo	or indicated te	st(s)?		Yes 🗸	No 🗆]		
7. Are samples (e	except VOA a	and ONG) pro	perly preserve	ed?	Yes 🗹	No []		
8. Was preservat	ive added to	bottles?			Yes 🗌	No 🗹] ।	NA 🗆	
9. Received at lea	ast 1 vial with	n headspace ·	<1/4" for AQ \	OA?	Yes 🗌	No □]	NA 🗹	
10. Were any sam	nple containe	rs received b	oken?		Yes	No 🕨	# of preser	ved	/
11. Does paperwo (Note discrepa					Yes 🗹	No [(<2 or	>12 unless noted
12. Are matrices o	orrectly ident	ified on Chair	of Custody?		Yes 🗹	No 🗆] Adjú	sted?	
13. Is it clear what	analyses we	ere requested	?		Yes 🗹	No [
14. Were all holdir (If no, notify cu	-				Yes 🗹	No [Chec	ked by:	2 4/4/2
Special Handl	ing (if app	licable)						_	
15. Was client no	tified of all di	screpancies v	vith this order	?	Yes 🗌	No []	NA 🗹	
Person	Notified:			Date:					
By Who	m:			Via:	eMail [Phone E	ax In Perso	on	
Regardi	ing:								
Client Ir	nstructions:	Phone numb	er missing on	COC-TMC 4	/6/23				
16. Additional re	marks:								
17. Cooler Infor	mation								
Cooler No	Temp ºC	Condition	Seal Intact	Seal No	Seal Date	Signed By			
1	1.9	Good	Yes	Morty					

tody Record	 <u>B</u> E	HALL ENVIRONMENTAL
Ensolum, LLK	Standard Rush	ANALYSIS LABORATORY
	Toject value.	www.hallenvironmental.com
Mailing Address: (206 S. Ric Grande, Suite A	Bruce RSullivan#2	4901 Hawkins NE - Albuquerque, NM 87109
Aztec NW 87410	Pro	Tel. 505-345-3975 Fax 505-345-4107
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□ NELAC □ Other	On Ice: If Yes INO mocket	OS 3000 1000 1000 1000 1000 1000 1000 100
□ EDD (Type)		cide od 310 6tal (/)
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	Preservative	PH:80 PHs I CRA L, F, H, F, CRA L, F, CRA
Date Time Matrix Sample Name	Type and # Type 73047+0	88 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
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Released to Imaging: 8.16/2024~8:16:05~AM

State of New Mexico Energy, Minerals and Natural Resources Department

Michelle Lujan-Grisham Governor

Melanie A. Kenderdine Cabinet Secretary-Designate

Ben Shelton Deputy Secretary (Acting) Gerasimos "Gerry" Razatos Division Director (Acting) Oil Conservation Division



Thomas Long Enterprise Products Company 615 Reilly Ave. Farmington, NM 87401

August 15, 2024

RE: Approval for Request for Variance and Abatement Completion Report at the 2D-1 Well Tie/Bruce R Sullivan #2, Incident ID NAPP2121054964

Mr. Long,

The Oil Conservation Division (OCD) has received a request for variance and an abatement completion report prepared on behalf of Enterprise Field Services, LLC by Ensolum, LLC. The NMOCD has reviewed both document submissions and determined the request for variance and closure request to be satisfactory for approval.

The available information indicates Enterprise has met the exemption clause within Paragraph 7 of Subsection A of 19.15.30.12 paragraph A(7) NMAC which in part states, "or in a manner that will likely result in compliance with the standards and requirements set forth in 19.15.30.9 NMAC within one (1) year after notice is required to be given pursuant to 19.15.29.9 NMAC provided that the division does not object to the abatement action."

OCD approved the abatement action via excavation of the impacted vadose zone soils at the source of the release. Enterprise had provided an initial Form C-141 within the allowable time frame (15 days) from the date of discovery. All previous laboratory results from the five (5) test wells had either no analytical detection or were substantially below the New Mexico Water Quality Control Commission's allowable concentrations for the constituent of concern, namely benzene.

Due to the existing conditions stated above, the variance request for an alternative lesser number of samples to the eight (8) consecutive sampling requirements within Subsection D of 19.15.30.9 NMAC to meet the applicable abatement standards in Subsections A, B and C of 19.15.30.9 NMAC is approved.

If you have any questions, please contact Mike Buchanan of the Environmental Incident Group at (505) 490-0798 or by email at *michael.buchanan*@emnrd.nm.gov.

Respectfully,

Rosa Romero

Environmental Bureau Chief

RosaM Romero

RR/mb

1220 South St. Francis Drive, 3rd Floor • Santa Fe, New Mexico 87505 Phone (505) 476-3441 • <u>www.emnrd.state.nm.us/ocd</u>

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

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

Action 208952

CONDITIONS

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	208952
	Action Type:
	[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By		Condition Date
michael.buchanan	Abatement completion under part 30 is approved with letter of approval attached to document. This incident is closed.	8/16/2024