District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Enterprise Field Services, LLC	OGRID: 151618
Contact Name: Thomas Long	Contact Telephone: 505-599-2286
Contact email:tjlong@eprod.com	Incident # (assigned by OCD): nVF1908136109
Contact mailing address: 614 Reilly Ave, Farmington, NM 87401	

Location of Release Source

Latitude <u>36.731516</u>	Longitude <u>-107.965945</u>	(NAD 83 in decimal degrees to 5 decimal places)
Site Name Blanco Storage S Tanks	Site Type Nat	ural Gas Condensate Storage Tanks
Date Release Discovered: 3/8/2019	Serial Number	(if applicable): N/A

Unit Letter	Section	Township	Range	County
D	14	29N	11W	San Juan

Surface Owner: State Federal Tribal Private (*Name: Enterprise Field Services, LLC*

Nature and Volume of Release

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

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls): Unknown	Volume Recovered (bbls):
Natural Gas	Volume Released (Mcf): Unknown	Volume Recovered (Mcf):
Other (describe)	Volume/Weight Released (provide units):	Volume/Weight Recovered (provide units)

Cause of Release: On March 8, 2019, after removal of the existing condensate storage tanks, Enterprise encountered a historical release within the Blanco Storage S Tanks secondary containment structure. No fluids were present within the secondary containment. Remediation of the historical release has been initiated. Enterprise has determined this release is required to be remediated to the first tier NMOCD remediation standard of 10 ppm Benzene, 50 ppm BTEX, 100 ppm TPH and 600 ppm Chloride. A third party closure report (*Site Characterization and Remediation Plan,* Ensolum LLC, dated March 24, 2021) has been included with this "Final C-141."

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u><50</u> (ft bgs)
Did this release impact groundwater or surface water?	
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No ☐ Yes ⊠ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No ⊠ Yes ☐ No
Are the lateral extents of the release within 300 feet of a wetland?	
Are the lateral extents of the release overlying a subsurface mine?	Yes No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🛛 No
	□ Yes ⊠ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.

- 🛛 Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- \boxtimes Determination of water sources and significant watercourses within $\frac{1}{2}$ -mile of the lateral extents of the release
- \boxtimes Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan

Received by OCD: 8/15/2023	10:45:18 AM State of New Mexico	F		Page 3 of 3
			Incident ID	
Page 3	Oil Conservation Division		District RP	
			Facility ID	
			Application ID	
19.15.29.12 NMAC, however, I hereby certify that the informative regulations all operators are req	ines for beginning and completing the reme use of the table is modified by site- and rele tion given above is true and complete to the bes uired to report and/or file certain release notifica it. The acceptance of a C-141 report by the OCI	lease-specific parame st of my knowledge and ations and perform corr	ters. understand that pursu ective actions for rele	ant to OCD rules and ases which may endanger
failed to adequately investigate	and remediate contamination that pose a threat t C-141 report does not relieve the operator of res	to groundwater, surface	water, human health	or the environment. In
Printed Name: <u>Scott Drew</u>	ry Title: <u>Cont</u>	tractor		
Signature: Scar / Za		23		
email: <u>sdrewry@eprod.co</u>	m Telephone:	713-381-5696		
OCD Only				
Received by:		Date:		

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.

Detailed description of proposed remediation technique

Scaled sitemap with GPS coordinates showing delineation points

 \boxtimes Estimated volume of material to be remediated

Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC

Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Received by OCD: 8/1	15/2023 10:45:18 AM State of New Mexico		Page 4 of 384
-		Incident II	
Page 4	Oil Conservation Division	District RF	
		Facility ID	
		Applicatio	n ID
Deferral Requests (<u>Only</u>: Each of the following items must be confirmed a	us part of any request for de	ferral of remediation.
2 of office and a company of the com	<u></u>		
Contamination m deconstruction.	nust be in areas immediately under or around production	equipment where remediation	on could cause a major facility
Extents of contar	mination must be fully delineated.		
Contamination de	oes not cause an imminent risk to human health, the env	rironment, or groundwater.	
rules and regulations which may endanger liability should their surface water, human responsibility for con Printed Name: <u>Sco</u>	the information given above is true and complete to the b all operators are required to report and/or file certain rel public health or the environment. The acceptance of a coperations have failed to adequately investigate and rem in health or the environment. In addition, OCD acceptance inpliance with any other federal, state, or local laws and/on out Drewry Title: <u></u>	lease notifications and perfor C-141 report by the OCD do nediate contamination that po ce of a C-141 report does no or regulations.	rm corrective actions for releases es not relieve the operator of ose a threat to groundwater,
OCD Only			
Received by:	Date:		
Approved	Approved with Attached Conditions of Approva	l Denied	Deferral Approved
Signature:N	alson Velez Date:	01/30/2024	



ENTERPRISE PRODUCTS PARTNERS L.P. ENTERPRISE PRODUCTS GP, LLC (General Partner)

June 16, 2021

Submitted online via OCD E-Permitting: https://wwwapps.emnrd.state.nm.us/OCD/OCDPermitting/default.aspx

New Mexico Energy, Minerals & Natural Resources Department – Oil Conservation Division 1000 Rio Brazos Road Aztec, New Mexico 87410

Submittal:Site Characterization Report and Remediation Plan (Ensolum, March 24, 2021)RE:Enterprise Field Services, LLCBlanco Storage S Tanks Release (March 8, 2019)Off CR4900, San Juan Co., NM[S14, T29N R11W (36.731516° N, 107.965945° W)]Incident ID No. NVF1908136109

Dear Mr. Smith:

Enterprise Products Operating LLC (Enterprise), on behalf of Enterprise Field Services, LLC, is pleased to submit to the New Mexico (NM) Energy, Minerals & Natural Resources Department (EMNRD) – Oil Conservation Division (OCD) an electronic copy of the above-referenced document prepared by Ensolum, LLC (Ensolum) dated March 24, 2021. The subject document is associated with the March 8, 2019 discovery of historical soil impact at the above-referenced location (the "Site"). The attached document summarizes the remediation and delineation activities that were implemented at the Site between March 2019 and February 2020. The corrective action and delineation activities were performed to reduce constituent of concern (COC) concentrations in the on-site soils to below the applicable NM EMNRD OCD closure criteria and to delineate the extent of remaining soil impact.

Data presented in the attached document indicates that COC concentrations in excess of the applicable closure criteria remain at the Site near the tank battery, beneath the transfer pump foundations, under the loading dock, near the hairpin lines (west of the excavation), beneath the overhead piping supports, and beneath the fire hydrant. The soils in these areas were not removed due to structural and safety concerns. COCs in other areas of the excavation are now below the applicable closure criteria.

Based on the information presented in the attached report, **Enterprise requests the deferment of final reclamation**, including remediation of the upper four (4) feet of soil to comply with the requirements of Paragraph (1) of Subsection D of 19.15.29.13 New Mexico Administrative Code (NMAC), until after the facility is decommissioned (or until other changes allow) to avoid damaging existing structures and appurtenances at the facility.

Enterprise appreciates the Oil Conservation Division's (OCD's) continued assistance and guidance in bringing closure to this Site. Should you have any questions, comments, or concerns, or require additional information, please feel free to contact me any time at (713) 381-8780, or at <u>gemiller@eprod.com</u>.

Sincerely,

regon E Mill

Gregory E. Miller, F.G. Supervisor, Environmental

Rodney M. Sartor, REM Sr. Director, Environmental

ec: Ensolum, Houston, TX – Mr. Marc E. Gentry <<u>MGentry@ensolum.com</u>>

P.O. BOX 4324 HOUSTON, TEXAS 77210-4324 713.381.6500 1100 LOUISIANA STREET HOUSTON, TEXAS 77002-5227 www.epplp.com



SITE CHARACTERIZATION REPORT AND REMEDIATION PLAN

Property:

Blanco Storage S Tanks (2019) NW ¼, S14 T29N R11W San Juan County, New Mexico

Incident ID No. NVF1908136109

March 24, 2021 Ensolum Project No. 05A1226045

Prepared for:

Enterprise Field Services, LLC 614 Reilly Avenue Farmington, NM 87401 Attn: Mr. Thomas Long

Prepared by:

Chad D'Aponti Field Environmental Scientist

umm

Kyle Summers, CPG Sr. Project Manager

•

Table of Contents

1.0	INTRODUCTION 1.1 Site Description & Background 1.2 Project Objective	1
2.0	CLOSURE CRITERIA	1
3.0	SOIL REMEDIATION ACTIVITES	3
4.0	SOIL SAMPLING PROGRAM	3
5.0	SOIL LABORATORY ANALYTICAL METHODS	7
6.0	DATA EVALUATION	7
7.0	REMEDIATION	8
8.0	FINDINGS	9
9.0	RECOMMENDATION	9
10.0	STANDARDS OF CARE, LIMITATIONS, AND RELIANCE 9 10.1 Standard of Care 9 10.2 Limitations 9 10.3 Reliance 10	9 9

LIST OF APPENDICES

Appendix A:	Figures	
	Figure 1	Topographic Map
	Figure 2	
	Figure 3	
	Figure 4	Soil Deferment Area Map
Appendix B:	Siting Figu	ires and Documentation
	Figure A	0.5 Mile Radius Water Well Map
	Figure B	Cathodic Protection Well Recorded Depth to Water
	Figure C	300 Foot Radius Watercourse and Drainage Identification
	Figure D	300 Foot Radius Occupied Structure Identification
	Figure E	Water Well and Natural Spring Location
	Figure F	Wetlands
	Figure G	Mines, Mills, and Quarries
	Figure H	100-Year Flood Plain Map
Appendix C:	Executed (C-138 Solid Waste Acceptance Forms
Appendix D:	Photographic Documentation	
Appendix E:	Regulatory Correspondence	
Appendix F:	Table 1 - Soil Analytical Summary	
Appondix C:	Laborator	· Data Shoots & Chain of Custody Documentation
Appendix G:	Laboratory	/ Data Sheets & Chain of Custody Documentation



SITE CHARACTERIZATION REPORT AND REMEDIATION PLAN

Blanco Storage S Tanks (2019) NW ¼, S14 T29N R11W San Juan County, New Mexico

Ensolum Project No. 05A1226045

1.0 INTRODUCTION

1.1 Site Description & Background

Operator:	Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)	
Site Name:	Site Name: Blanco Storage S Tanks (2019) (Site)	
Incident ID	nt ID NVF1908136109	
36.731516° North, 107.965945° WestLocation:Northwest (NW) ¼ of Section 14, Township 29 North, Range 11 WestSan Juan County, New Mexico		
Property:	perty: Private Land (Enterprise)	
Regulatory:	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)	

On March 8, 2019, while reconfiguring a tank battery and constructing new secondary containment, a historical release was identified at the Blanco Storage S containment Site. On March 8, 2019, Enterprise initiated activities to remediate and evaluate the petroleum hydrocarbon impact.

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

1.2 **Project Objective**

The primary objective of the corrective action and delineation activities was to reduce constituent of concern (COC) concentrations in the on-site soils to below the applicable New Mexico EMNRD OCD closure criteria and to determine the extent of impacted soils remaining in place.

2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. To address activities related to exempt oil and gas releases, the New Mexico EMNRD OCD references New Mexico Administrative Code (NMAC) 19.15.29 *Releases*, which establishes investigation and abatement action requirements for oil and gas release sites that are subject to reporting and/or corrective action. Ensolum, LLC (Ensolum) utilized information provided by Enterprise, the general site characteristics, and information available from the New Mexico Office of the State Engineer (OSE) and the New Mexico EMNRD OCD imaging database to determine the appropriate closure criteria for the Site. Supporting figures and documentation associated with the following bullets are provided in **Appendix B**.

• The OSE tracks the usage and assignment of water rights and water well installations and records this information in the Water Rights Reporting System (WRRS) database. Water wells and other points of diversion (PODs) are each assigned POD numbers in the database (which is searchable



and includes an interactive map). Numerous PODs were identified in the OSE WRRS database within the same Public Land Survey System (PLSS) section as the Site, as well as in the adjacent PLSS sections. The exact location of many of the PODs is unknown. The average depth to water for the PODs that are located in the same PLSS section and in adjacent PLSS sections of the Site is approximately 27 feet below grade surface (bgs). A nearby monitoring well network (SJ-04127) located at the Blanco Plant South Flare Pit and D Plant includes 11 permitted and several unpermitted groundwater monitoring wells. The nearest monitoring well (unpermitted) in this network is located approximately 980 feet northeast of the Site (at a slightly higher elevation) with a depth to water of approximately 16 feet bgs (based on published data). Small seeps were observed in some areas of the sandstone during excavation activities at the Site, but no recharge was observed (**Figure A**, **Appendix B**).

- No cathodic protection wells were identified within a one (1) mile radius of the Site (**Figure B**, **Appendix B**).
- The Site is not located within 300 feet of a New Mexico EMNRD OCD-defined continuously flowing watercourse or significant watercourse. An irrigation canal is located approximately 830 feet southwest of the Site (**Figure C**, **Appendix B**).
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet from a permanent residence, school, hospital, institution, or church (**Figure D**, **Appendix B**).
- Based on information identified in the OSE WRRS database there are no springs, or private domestic fresh water wells used by less than five (5) households for domestic or stock watering purposes identified within 500 feet of the Site (**Figure E**, **Appendix B**).
- Based on information identified in the OSE WRRS database there are no fresh water wells or springs identified within 1,000 feet of the Site (Figure E, Appendix B).
- The Site is located within the City of Bloomfield.
- Based on information identified in the U.S. Fish & Wildlife Service National Wetlands Inventory Wetlands Mapper, the Site is not located within 300 feet of a wetland (**Figure F**, **Appendix B**).
- Based on information identified on the New Mexico Mining and Minerals Division's Geographic Information System (GIS) Maps and Mine Data database, the Site is not located within an area overlying a subsurface mine (**Figure G**, **Appendix B**).
- The Site is not located within an unstable area.
- Based on information identified in the Federal Emergency Management Agency (FEMA) National Flood Hazard Layer (NFHL) geospatial database, the Site is not located within a 100-year floodplain (Figure H, Appendix B).

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



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

*Constituents are measured in milligrams per kilogram (mg/kg)

¹ – Total Petroleum Hydrocarbon (TPH). Gasoline Range Organics (GRO). Diesel Range Organics (DRO). Motor Oil/Lube Oil Range Organics (MRO)

² – Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX)

3.0 SOIL REMEDIATION ACTIVITIES

On March 8, 2019, Enterprise initiated activities to facilitate the remediation of petroleum hydrocarbon impact. During the remediation and corrective action activities, Wood Group USA, Inc., (Wood Group) and West States Energy Contractors, Inc., (West States) provided heavy equipment and labor support, while Ensolum provided environmental consulting support.

The final excavation measured approximately 129 feet long and 104 feet wide at the maximum extents. The maximum depth of the excavation measured approximately 15 feet below grade surface (bgs).

The lithology encountered during the completion of remediation activities consisted primarily of unconsolidated silty sandy clay underlain by sandstone.

Approximately 9,943 cubic yards (yd³) of petroleum hydrocarbon affected soils/sandstone and 1,766 barrels (bbls) of hydro-excavation soil cuttings and water were transported to the Envirotech, Inc., (Envirotech) landfarm near Hilltop, New Mexico for disposal/remediation. The executed C-138 solid waste acceptance forms are provided in **Appendix C**. The excavation was ultimately backfilled with imported fill and then contoured to match the surrounding grade.

Figure 3 (**Appendix A**) is a map that identifies approximate soil sample locations and depicts the approximate dimensions of the excavation with respect to Site features. **Figure 4** (**Appendix A**) is a map that identifies areas of requested soil deferment. Photographic documentation of the field activities is included in **Appendix D**.

4.0 SOIL SAMPLING PROGRAM

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

Ensolum's soil/sandstone sampling program included the collection of 67 composite soil/sandstone samples (S-1 through S-67) from the excavation floor and walls. The composite samples were comprised of five (5) aliquots each, per guidelines outlined in Subsection D of 19.15.29.12 NMAC. Hand tools and an excavator, operated by Wood Group and West States, were utilized to obtain fresh aliquots from each area of the excavation. In addition, a combination of 19 composite and grab soil/sandstone samples (HB-1 @1'-H through HB-15 @11') were collected from horizontal or vertical borings utilizing a hand auger. For the purposes of this report, soil/sandstone samples and soil/sandstone borings will be referred to as soil samples and soil borings, respectively.





The New Mexico EMNRD OCD approved a 400 square foot (ft²) sample interval variance for the remediation confirmation sampling activities. Although access to some areas was somewhat limited due to ongoing construction and compaction at the Site, Enterprise attempted to maintain this sampling interval throughout the remedial activities. Regulatory correspondence is provided in **Appendix E**.

March 2019

On March 8, 2019, subsequent to the removal of storage tanks, Enterprise collected soil samples to evaluate apparent historic impact within the secondary containment. Composite soil samples S-2 (0'-5'), S-3 (0'-5'), S-4 (0'-3'), and S-5 (0'-3') were collected from the walls of the initial excavation within the tank containment area. Composite soil sample S-1 (5') was collected from the floor of the initial excavation within the tank containment area. Sampling locations were limited by ongoing construction activities related to the new tank battery. Analytical results indicated New Mexico EMNRD OCD closure criteria exceedances for composite soil samples S-2 through S-5. In response to the data exceedances, the containment area was further excavated to remove petroleum hydrocarbon impacts. Soils associated with composite soil samples S-2 through S-4 were removed by excavation and transported to the landfarm for disposal/remediation. Soils associated with composite soil sample S-5 provide structural support for overhead piping and these soils remain in place. At this time, Enterprise upgraded the Site to a "reportable" release and the New Mexico EMNRD OCD was notified.

On March 26, 2019, composite soil samples S-6 (0'-8'), S-7 (0'-8'), S-8 (0'-8'), S-9 (0'-8'), S-10 (0'-8'), and S-11 (0'-8') were collected from the walls of the excavation. Composite soil samples S-12 (8') and S-13 (8') were collected from the floor of the excavation. The New Mexico EMNRD OCD was notified of the sampling event although no representative was present during this sampling event.

Analytical results indicated New Mexico EMNRD OCD closure criteria exceedances for composite soil samples S-6 through S-9 and S-11. The excavation was extended to remove petroleum hydrocarbon impacts. Soils associated with composite soil samples S-6, S-7, and S-11 were removed by excavation and transported to the landfarm for disposal/remediation. Soils associated with composite soil samples S-8 and S-9 were not removed and remain in place adjacent to the new tank battery. Due to safety concerns related to the depth of the excavation adjacent to the new tank battery and concerns with regard to the support of the transfer pipeline and tank battery, further excavation to the north and immediately adjacent to the tank battery was suspended. The New Mexico EMNRD OCD granted Enterprise the approval to backfill a portion of the excavation for stability. Excavation was continued to the east, west, and south.

<u>April 2019</u>

On April 15, 2019, composite soil samples S-14 (0'-8'), S-15 (0'-8'), S-16 (0'-8'), S-17 (0'-8'), and S-18 (0'-8') were collected from the east wall of the excavation. Composite soil sample S-19 (8') was collected from the floor of the excavation. The New Mexico EMNRD OCD was notified of the sampling event although no representative was present during this sampling event. Analytical results indicated New Mexico EMNRD OCD closure criteria exceedances for composite soil samples S-14, S-17, and S-18. In response to the data exceedances, Enterprise extended the excavation. Soils associated with composite soil samples S-14, S-17, and S-18 were removed by excavation and transported to the landfarm for disposal/remediation.

On April 23, 2019, composite soil samples S-20 (0'-8'), S-21 (0'-8'), and S-22 (0'-8'), were collected from the walls of the excavation. A New Mexico EMNRD OCD representative was present during this sampling event.

On April 25, 2019, composite soil sample S-23 (0'-8') was collected from the wall of the excavation. The New Mexico EMNRD OCD was notified of the sampling event although no representative was present during this sampling event. Analytical results indicated New Mexico EMNRD OCD closure criteria exceedances for S-23. The excavation was extended, and soil associated with composite soil sample S-23 was removed by excavation and transported to the landfarm for disposal/remediation.



Page 12 of 384

<u>May 2019</u>

On May 3, 2019, composite soil samples S-24 (0'-8'), S-25 (0'-8'), S-26 (0'-8'), S-27 (0'-8'), and S-28 (0'-8') were collected from the south walls of the excavation. Composite soil samples S-29 (8'), S-30 (8'), and S-31 (8') were collected from the floor of the excavation. The New Mexico EMNRD OCD was notified of the sampling event although no representative was present during this sampling event. Analytical results indicated New Mexico EMNRD OCD closure criteria exceedances for composite soil samples S-24 and S-25. Soils associated with the composite soil samples were not removed from the Site due to concerns regarding the structural support of the concrete loading dock, underground utilities/piping, and the nearby drip tank.

On May 7, 2019, two (2) composite soil samples (S-32 and S-33) were collected beneath the concrete loading dock and near the drip tank line to horizontally delineate residual impact. Due to structural stability concerns, the five (5) aliquots for each of these samples were collected from one (1) to two (2) feet horizontally (into the wall), across the eight (8) foot vertical face of the wall, utilizing a hand auger.

June 2019

On June 11, 2019, composite soil samples S-34 (0'-12'), S-35 (0'-12'), S-38 (0'-12'), S-39 (0'-6'), S-44 (0'-12'), and S-45 (0'-10') were collected from the walls of the excavation. Composite soil samples S-36 (12'), S-37 (12'), S-40 (12'), S-41 (8'), S-42 (10'), and S-43 (12') were collected from the floor of the excavation. A New Mexico EMNRD OCD representative was present during this sampling event. Analytical results indicated New Mexico EMNRD OCD closure criteria exceedances for composite soil sample S-38. Soil associated with composite soil sample S-38 was not removed and remains in place. Due to safety concerns related to the depth of the excavation and support of the transfer pipeline, further excavation to the north and immediately adjacent to the transfer pipeline was suspended.

A non-reportable release of condensate from a temporary transfer hose occurred at the Site shortly after the June 11, 2019 sampling event. The release flowed into the excavation in the vicinity of previous sample locations S-37 and S-40 through S-43, which had already been partially backfilled and compacted. Enterprise provided a courtesy notification of the release to the New Mexico EMNRD OCD and the affected backfill soils were removed, and the area was reassessed to evaluate potential petroleum hydrocarbon impact. On June 24, 2019, composite soil samples S-46 (12'), S-48 (12'), S-49 (8'), S-50 (12'), and S-51 (10') were collected from the floor of the excavation to replace composite soil samples S-37 and S-40 through S-43 that were potentially affected by the secondary release. Additionally, composite soil sample S-47 (10'-12') was collected from a short internal wall within the excavation. The New Mexico EMNRD OCD was notified of the sampling event, but a representative was not present during the sampling event. Analytical results indicated New Mexico EMNRD OCD closure criteria exceedances for soil sample S-49. In response to the exceedance, Enterprise deepened the excavation in the vicinity of samples S-41 and S-49. Soil associated with composite soil sample S-49 was removed by excavation and transported to the landfarm for disposal/remediation.

On June 27, 2019, composite soil sample S-52 (9') was collected from the floor of the deepened excavation to replace composite soil sample S-49. The New Mexico EMNRD OCD was notified of the sampling event although no representative was present during the sampling event.

July 2019

On July 18, 2019, four (4) soil borings (HB-1 through HB-4) were advanced horizontally into the sidewall of the excavation, adjacent to the tank battery and associated transfer line to delineate petroleum hydrocarbon impact. The soil borings were advanced into the sandstone up to four (4) feet horizontally utilizing a hand auger, below the depth of the buried transfer line, at a vertical depth of approximately 6.5 to 8.0 feet bgs. Grab samples HB-1 (1'), HB-2 (4'), HB-3 (4') and HB-4 (4') were collected from the soil borings once a horizontal distance was reached that no longer indicated hydrocarbon impact based on field screenings. The New Mexico EMNRD OCD was notified of the sampling event, but a representative was not present during the sampling event.



Page 13 of 384

On July 23, 2019, five (5) soil borings (HB-5 through HB-9) were advanced horizontally into the wall of the excavation in the vicinity of composite soil sample S-38 and adjacent to the tank battery and associated transfer line, to horizontally delineate petroleum hydrocarbon impact. The New Mexico EMNRD OCD was verbally notified of the sampling event, but a representative was not present during the sampling event. The samples were collected at a horizontal distance of one (1) foot into the wall, at which point a grab sample was collected. As noted in **Table 1** (Appendix F), the laboratory did not complete the analytical suite on these samples until after the hold time had expired. Enterprise was not able to duplicate these samples because that portion of the excavation had been backfilled and compacted during construction activities.

September 2019

On September 6, 2019, two (2) additional soil borings (HB-10 and HB-11) were advanced from the ground surface vertically, north of HB-5 through HB-9, to further delineate the hydrocarbon impact adjacent to the tank battery utilizing a hand auger. Soil boring samples HB-10 (1'-5') and HB -11 (1'-5') were collected from the soil borings. The New Mexico EMNRD OCD was notified of the sampling event, but a representative was not present during the sampling event.

January 2020

On January 17, 2020, composite soil sample S-54 (0'-15') was collected from the sloped wall adjacent to the transfer pumps and their concrete foundation. Composite soil sample S-53 (15') was collected from the floor of the excavation. The New Mexico EMNRD OCD was verbally notified of the sampling event, but a representative was not present during the sampling event. Analytical results indicated New Mexico EMNRD OCD closure criteria exceedances for soil sample S-54. These soils remain in place due to concerns related to the structural integrity of the transfer pumps. The area south of S-54 had been partially backfilled and compacted (as part of the construction activities) and could not be sampled. This area is assumed to be impacted as it relates to the deferment discussion in **Section 7.0**.

On January 21, 2020, composite soil sample S-56 (0'-15') was collected from the north wall of the excavation. Composite soil sample S-57 (0'-15') was collected from the sloped wall adjacent to the transfer pumps and their concrete foundation. Composite soil sample S-55 (15') was collected from the floor of the excavation. The New Mexico EMNRD OCD was notified of the sampling event, but a representative was not present during the sampling event. Analytical results indicated New Mexico EMNRD OCD closure criteria exceedances for composite soil sample S-57. These soils remain in place due to concerns related to the structural integrity of the transfer pumps.

On January 22, 2020, composite soil sample S-58 (0'-15') was collected from the wall of the excavation. The New Mexico EMNRD OCD was notified of the sampling event, but a representative was not present during the sampling event.

On January 28, 2020, composite soil sample S-60 (0'-12') was collected from the wall of the excavation. Composite soil sample S-59 (12') was collected from the floor of the excavation. A New Mexico EMNRD OCD representative was present during the sampling event.

On January 29, 2020, composite soil sample S-61 (0'-12') was collected from the wall of the excavation. The New Mexico EMNRD OCD was verbally notified of the sampling event, but a representative was not present during the sampling event. Analytical results indicated exceedances of the applicable New Mexico EMNRD OCD closure criteria for composite soil sample S-61. These soils were left in place due to concerns about the structural support of the adjacent pipelines.

February 2020

On February 4, 2020, composite soil samples S-62 (0'-8') and S-63 (0'-9') were collected from the wall of the excavation. Composite soil samples S-64 (9') and S-65 (9') were collected from the floor of the excavation. The New Mexico EMNRD OCD was notified of the sampling event, but a representative was not present during sampling. Analytical results indicated New Mexico EMNRD OCD closure criteria



exceedances for composite soil sample S-65. The excavation was deepened, and soil associated with composite soil sample S-65 was removed and transported to the landfarm.

On February 6, 2020, composite soil sample S-66 (10') was collected from the floor of the excavation to replace composite soil sample S-65. The New Mexico EMNRD OCD was notified of the sampling event, but a representative was not present during the sampling event. Analytical results indicated New Mexico EMNRD OCD closure criteria exceedances for composite soil sample S-66. The excavation was deepened, and soil associated with composite soil sample S-66 was removed and transported to the landfarm.

On February 10, 2020, composite soil sample S-67 (10.5') was collected from the floor of the excavation to replace composite soil samples S-65 and S-66. A New Mexico EMNRD OCD representative was present during the planning meeting and sampling event.

On February 12, 2020, four (4) soil borings (HB-12 through HB-15) were advanced west of soil sample S-61 and near the pipelines to delineate the extent of petroleum hydrocarbon impact. The New Mexico EMNRD OCD provided verbal approval to proceed with the advancement of the soil borings although no representative was present during the sampling event. The soil borings were advanced up to 14 feet bgs utilizing a hydro-excavator. Soil boring samples HB-12 (composite, 0'-11'), HB-12 (grab, 14'), HB-13 (composite, 0'-11'), HB-13 (grab, 11'), HB-14 (composite, 0'-9'), HB-14 (grab, 9'), HB-15 (composite, 0'-11'), and HB -15 (grab, 11') were then collected from the sides and bottom of the soil borings utilizing a hand auger. Analytical results indicated New Mexico EMNRD OCD closure criteria exceedances for soil samples HB-15 (0'-11') and HB-15 (11'). Soils associated with the HB-15 samples remain in place and are laterally delineated by the HB-12, HB-13, and HB-14 soil boring locations.

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

5.0 SOIL LABORATORY ANALYTICAL METHODS

The soil samples were analyzed for BTEX using United States (US) Environmental Protection Agency (EPA) SW-846 Method #8021/8260; TPH GRO/DRO/MRO using US EPA SW-846 Method #8015; and, chlorides using US EPA Method #300.0.

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

6.0 DATA EVALUATION

Ensolum compared the BTEX, TPH, and chloride laboratory analytical results associated with the composite soil samples (S-1, S-5, S-8 through S-10, S-12, S-13, S-15, S-16, S-19, S-20, S-21, S-24 through S-40, S-42 through S-48, S-50 through S-64, S-67, and HB-1 through HB-15) to the applicable New Mexico EMNRD OCD closure criteria. In the event that the laboratory did not quantify a result for BTEX or chloride, Ensolum compared the laboratory supplied practical quantitation limits (PQLs) / reporting limits (RLs) to the New Mexico EMNRD OCD closure criteria. Conversely, due to the high PQLs/RLs associated with the TPH MRO range when using EPA SW-846 Method #8015, Ensolum only compared the quantified TPH results to the New Mexico EMNRD OCD closure criteria.

Soils associated with composite soil samples S-2 through S-4, S-6, S-7, S-11, S-14, S-17, S-18, S-22, S-23, S-41, S-49, S-65, and S-66 were transported to the Envirotech landfarm for disposal/remediation and are not included in the following discussion.



- The laboratory analytical result for composite soil sample S-57 indicates a benzene concentration of 15 mg/kg, which exceeds the applicable New Mexico EMNRD OCD closure criteria of 10 mg/kg. The laboratory analytical results for composite soil samples S-1, S-5, S-19, S-54, S-61, and HB-15 (11') indicate benzene concentrations ranging from 0.028 mg/kg (S-19) to 2.3 mg/kg (S-5), which do not exceed the applicable New Mexico EMNRD OCD closure criteria of 10 mg/kg. The laboratory analytical results for the remaining composite soil samples collected from soils remaining at the Site indicate benzene is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the applicable New Mexico EMNRD OCD closure criteria of 10 mg/kg.
- The laboratory analytical results for composite soil samples S-5, S-54, and S-57 indicate total BTEX concentrations of 150 mg/kg, 140 mg/kg, and 390 mg/kg, respectively, which exceed the applicable New Mexico EMNRD OCD closure criteria of 50 mg/kg. The laboratory analytical results for composite soil samples S-1, S-8, S-9, S-10, S-19, S-24, S-25, S-32, S-45, S-61, HB-15 (0'-11'), and HB-15 (11') indicate total BTEX concentrations ranging from 0.095 mg/kg (S-32) to 46 mg/kg (S-61), which do not exceed the applicable New Mexico EMNRD OCD closure criteria of 50 mg/kg. The laboratory analytical results for the remaining composite soil samples collected from soils remaining at the Site indicate total BTEX is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the applicable New Mexico EMNRD OCD closure criteria of 50 mg/kg.
- The laboratory analytical results for composite soil samples S-5, S-8, S-9, S-24, S-25, S-38, S-54, S-57, S-61, HB-15 (0'-11'), and HB-15 (11') indicate combined TPH GRO/DRO/MRO concentrations ranging from 100 mg/kg (S-25) to 8,200 mg/kg (S-57), which exceed the applicable New Mexico EMNRD OCD closure criteria of 100 mg/kg. The laboratory analytical results for composite soil samples S-1, S-10, S-28, S-32, S-39, S-42, S-45, S-50, S-51, S-59, S-63, and S-64 indicate combined TPH GRO/DRO/MRO concentrations ranging from 8.0 mg/kg (S-1) to 64 mg/kg (S-50), which do not exceed the applicable New Mexico EMNRD OCD closure criteria of 100 mg/kg. The laboratory analytical results for the remaining composite soil samples collected from soils remaining at the Site indicate combined TPH GRO/DRO/MRO are less than the applicable New Mexico EMNRD OCD closure criteria of 000 mg/kg.
- The laboratory analytical results for composite soil samples S-67 and HB-12@0'-11' indicate chloride concentrations of 69 mg/kg and 75 mg/kg, respectively, which do not exceed the applicable New Mexico EMNRD OCD closure criteria of 600 mg/kg for chlorides. The laboratory analytical results for the remaining composite soil samples collected from soils remaining at the Site indicate chloride is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the applicable New Mexico EMNRD OCD closure criteria of 600 mg/kg for chlorides.

The laboratory analytical results are summarized in Table 1 (Appendix F).

7.0 REMEDIATION

The excavation was backfilled with imported fill, compacted, and then contoured as necessary to facilitate traffic, etc. Throughout the course of the remediation activities, Enterprise coordinated with the New Mexico EMNRD OCD with regard to potential deferment options in areas of high risk due to structural and safety concerns.

Based on the information provided herein, Enterprise requests deferment of final remediation and reclamation for the areas identified on **Figure 4** (**Appendix A**) until after the facility or portions of the facility are decommissioned, to avoid damaging existing structures/appurtenances at the facility. At that time, Enterprise will perform final remediation and reclamation of the Site. Enterprise estimates approximately 653 yd³ of identified petroleum hydrocarbon affected soils from the historic release remain in place near the



tank battery, beneath the transfer pump foundations, under the loading dock, near the hairpin lines (west of the excavation), beneath the overhead piping supports, and beneath the fire hydrant. The actual volume may be less, as Enterprise assumed all the soil beneath the transfer pump foundations (to a depth of 15 feet bgs) and any other significant areas that could not be sampled were affected by the release.

8.0 FINDINGS

- Sixty-seven (67) composite soil samples were collected from the excavation for laboratory analysis. In addition, 19 composite or grab soil samples were collected from soil borings advanced in the vicinity of the excavation or horizontally into the excavation walls.
- Based on laboratory analytical results, soil remaining in place near the tank battery, beneath the transfer pump foundations, under the loading dock, near the hairpin lines (west of the excavation), beneath the overhead piping supports, and beneath the fire hydrant exhibit COC concentrations above the applicable New Mexico EMNRD OCD closure criteria. The soils in the other areas of the excavation exhibit COC concentrations below the New Mexico EMNRD OCD closure criteria.
- Approximately 9,943 yd³ of petroleum hydrocarbon affected soils and 1,766 bbls of hydroexcavation soil cuttings and water were transported to the Envirotech landfarm near Hilltop, New Mexico for disposal/remediation. The excavation was backfilled with imported fill and was then contoured to surrounding grade.

9.0 **RECOMMENDATION**

Enterprise requests the deferment of final reclamation, including remediation of the upper four (4) feet of soil to comply with the requirements of Paragraph (1) of Subsection D of 19.15.29.13 NMAC, until after the facility is decommissioned or until other changes allow, to avoid damaging existing structures/appurtenances at the facility.

10.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

10.1 Standard of Care

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

10.2 Limitations

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



Page 17 of 384

10.3 Reliance

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

Received by OCD: 8/15/2023 10:45:18 AM



Received by OCD: 8/15/2023 10:45:18 AM



Received by OCD: 8/15/2023 10:45:18 AM





10

Received by OCD: 8/15/2023 10:45:18 AM





10



APPENDIX B

Siting Figures and Documentation



Received by OCD: 8/15/2023 10:45:18 AM



Received by OCD: 8/15/2023 10:45:18 AM





Received by OCD: 8/15/2023 10:45:18 AM





Received by OCD: 8/15/2023 10:45:18 AM



Received by OCD: 8/15/2023 10:45:18 AM



PROJECT NUMBER: 05A1226045

New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced	(R=POD has been replaced O=orphaned,		rtor			1_NI	A/ 2_N	15 2-514	(4-SE)				
& no longer serves a water right file.)	C=the file is closed)							IE 3=SW largest)	-	UTM in meters)		(In feet	t)
POD Number	POD Sub- Code basin (County		Q 16			: Tws	Rng	x	Y			Water Column
SJ 00007	SJM2	SJ					29N		236085	4069024* 🌍	752		
SJ 00151	SJM2	SJ	4	3	1	22	29N	11W	233396	4067109* 🌍	45	18	27
<u>SJ 00320</u>	SJM2	SJ	1	3	1	22	29N	11W	233196	4067309* 🌍	38	10	28
SJ 00484	SJM2	SJ	1	3	1	22	29N	11W	233196	4067309* 🌍	37	10	27
SJ 00696	SJM2	SJ		3	4	22	29N	11W	234085	4066368* 🌍	34	12	22
<u>SJ 00704</u>	SJM2	SJ		2	1	22	29N	11W	233714	4067596* 🌍	55	20	35
<u>SJ 00796</u>	SJM2	SJ		2	1	22	29N	11W	233714	4067596* 🌍	50	8	42
SJ 00812	SJM2	SJ		4	1	23	29N	11W	235313	4067146* 🌍	44		
SJ 00987	SJM2	SJ			4	13	29N	11W	237549	4068086* 🌍	415	300	115
SJ 01214	SJM2	SJ		3	1	22	29N	11W	233297	4067210* 🌍	49	12	37
SJ 01426	SJM2	SJ		4	1	14	29N	11W	235366	4068747* 🌍	155	10	145
SJ 01557	SJM2	SJ		2	1	22	29N	11W	233714	4067596* 🌍	70	11	59
SJ 01573	SJM2	SJ		3	2	23	29N	11W	235717	4067135* 🌍	41	21	20
SJ 01610	SJM2	SJ		2	2	23	29N	11W	236133	4067524* 🌍	52	25	27
SJ 01703	SJM2	SJ		2	1	22	29N	11W	233714	4067596* 🌍	68	3	65
SJ 01774	SJM2	SJ	2	4	3	14	29N	11W	235440	4068045* 🌍	82	6	76
SJ 01851	SJM2	SJ		4	4	10	29N	11W	234586	4069572* 😜	125	48	77
SJ 01870	SJM2	SJ			2	23	29N	11W	235918	4067336* 🌍	58	30	28
SJ 01962	SJM2	SJ	2	2	1	24	29N	11W	237033	4067599* 🌍	45	12	33
SJ 01974	SJM2	SJ	3	3	4	22	29N	11W	233984	4066267* 🌍	47	11	36
SJ 02020	SJM2	SJ		3	3	22	29N	11W	233273	4066412* 🌍	27	6	21
SJ 02138	SJM2	SJ		2	4	22	29N	11W	234497	4066770* 🌍	40	7	33
SJ 02200	SJM2	SJ				22	29N	11W	233876	4067015* 🌍	60	22	38
SJ 02378	SJM2	SJ	2	3	4	15	29N	11W	234229	4068080* 🌍	75	12	63
SJ 02466	SJM2	SJ	3	3	4	11	29N	11W	235669	4069518 🌍	66		
SJ 02466 S	SJM2	SJ	3	3	4	11	29N	11W	235693	4069503 🌍	65		
I location was derived from F	PLSS - see Help												

```
6/5/20 1:47 PM
```

Page 32 of 384

Received by OCD: 8/15/2023 10:45:18 AM

(A CLW##### in the
POD suffix indicates the
POD has been replaced
& no longer serves a

(R=POD has been replaced, O=orphaned, (quarters are 1=NW 2=NE 3=SW 4=SE) C=the file is

Page 33 of 384

& no longer serves a water right file.)	closed)	•••						largest)	,	UTM in meters)		(In feet	t)
POD Number	POD Sub- Code basin (Countv		Q 16		Sec	Tws	Rng	х	Y			Water Column
SJ 02529	SJM2	SJ					29N		234396	4066669* 🌍	30	9	21
SJ 02578	SJM2	SJ	3	3	2	22	29N	11W	234007	4067082* 🌍	58	24	34
SJ 02721	SJM2	SJ		4	1	22	29N	11W	233702	4067197* 🌍		59	
SJ 02799	SJM2	SJ	1	1	4	23	29N	11W	235602	4066839* 🌍	56	15	41
SJ 02813	SJM2	SJ	3	2	1	22	29N	11W	233613	4067495* 🌍	59	16	43
SJ 02991	SJM2	SJ	2	4	3	13	29N	11W	237048	4067998* 🌍	60		
SJ 03049	SJM2	SJ	4	2	4	22	29N	11W	234596	4066669* 🌍	33	10	23
SJ 03073	SJM2	SJ	1	3	2	23	29N	11W	235616	4067234* 🌍	30		
SJ 03093	SJM2	SJ	4	3	2	22	29N	11W	234207	4067082* 🌍	42	22	20
SJ 03130	SJM2	SJ	3	1	2	23	29N	11W	235631	4067434* 🌍	50	30	20
SJ 03136	SJM2	SJ	4	4	3	13	29N	11W	237048	4067798* 🌍	20		
SJ 03164	SJM2	SJ	1	2	4	14	29N	11W	236060	4068423* 🌍	75	56	19
SJ 03175	SJM2	SJ	1	2	4	14	29N	11W	236060	4068423* 🌍	60	24	36
SJ 03188	SJM2	SJ	2	2	3	22	29N	11W	233790	4066892* 🌍	45	11	34
SJ 03189	SJM2	SJ	1	2	3	22	29N	11W	233590	4066892* 🌍	45	20	25
SJ 03201	SJM2	SJ	3	1	2	23	29N	11W	235631	4067434* 🌍	60	30	30
SJ 03286	SJM2	SJ	1	3	3	23	29N	11W	234784	4066470* 🌍	38	28	10
SJ 03343	SJM2	SJ	1	4	1	24	29N	11W	236818	4067200* 🌍	35	18	17
SJ 03353	SJM2	SJ	3	1	2	23	29N	11W	235631	4067434* 🌍	45	25	20
SJ 03360	SJM2	SJ	2	4	3	14	29N	11W	235440	4068045* 🌍	40		
SJ 03479	SJM2	SJ	3	2	4	22	29N	11W	234396	4066669* 🌍	43	4	39
SJ 03503	SJM2	SJ	3	3	2	22	29N	11W	234007	4067082* 🌍	72	18	54
SJ 03532	SJM2	SJ	3	3	1	22	29N	11W	233196	4067109* 🌍	49	14	35
SJ 03546	SJM2	SJ	2	4	1	23	29N	11W	235412	4067245* 🌍	50	15	35
SJ 03548	SJM2	SJ	1	1	4	23	29N	11W	235602	4066839* 🌍	50	15	35
SJ 03550	SJM2	SJ	1	2	3	14	29N	11W	235252	4068445* 🌍	10		
SJ 03557	SJM2	SJ	1	3	1	23	29N	11W	234808	4067256* 🌍	50	15	35
SJ 03558	SJM2	SJ	1	3	1	23	29N	11W	234808	4067256* 🌍	50	15	35
SJ 03559	SJM2	SJ	4	3	1	23	29N	11W	235008	4067056* 🌍	45	15	30

*UTM location was derived from PLSS - see Help

Received by OCD: 8/15/2023 10:45:18 AM

(A CLW##### in the
POD suffix indicates the
POD has been replaced
& no longer serves a

water right file.)

(R=POD has been replaced, O=orphaned, (quarters are 1=NW 2=NE 3=SW 4=SE) C=the file is closed)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

water fight me.)	ciosed)	\ 9 44				2		largoo	-, (-,
	POD Sub-	0			Q		-	De	Y	v	-	-	Water
POD Number SJ 03567	Code basin SJM2	County SJ					29N	-	X 235226	Y 4067445* 😜	50	Water 22	Column 28
<u>SJ 03579</u>	SJM2	SJ	1	4	4	15	29N	11W	234431	4068068* 🌍	83	30	53
SJ 03591	SJM2	SJ	4	4	1	23	29N	11W	235412	4067045* 🌍	55	20	35
SJ 03733 POD1	SJM2	SJ	1	2	4	15	29N	11W	234444	4068469* 🌍	64	20	44
SJ 03747 POD1	SJM2	SJ	3	2	1	22	29N	11W	233613	4067495* 🌍	47	27	20
SJ 03847 POD1	SJM2	SJ	3	3	3	14	29N	11W	234873	4067937 🌍	74	27	47
SJ 03934 POD1	SJM2	SJ	4	2	4	22	29N	11W	234658	4066717 🌍	30	8	22
SJ 03935 POD1	SJM2	SJ	4	2	4	22	29N	11W	234693	4066639 🌍	30	10	20
SJ 03980 POD1	SJM2	SJ	4	4	3	14	29N	11W	236351	4067548 🌍	70	60	10
SJ 03982 POD1	SJM2	SJ	3	1	1	22	29N	11W	233220	4067494 🌍	54	9	45
SJ 04015 POD1	SJM2	SJ	1	4	4	22	29N	11W	234392	4066411 🌍	50	14	36
SJ 04016 POD1	SJM2	SJ	2	4	4	22	29N	11W	234636	4066431 🌍	50	10	40
SJ 04137 POD1	SJM2	SJ	4	3	2	23	29N	11W	235865	4067052 🌍	44	36	8
SJ 04234 POD1	SJ	SJ				23	29N	11W	236117	4066717 🌍	11	6	5
SJ 04234 POD2	SJ	SJ				23	29N	11W	235948	4066623 🌍	10		
SJ 04254 POD1	SJ	SJ		3	4	11	29N	11W	235793	4069359 🌍	100	63	37
SJ 04254 POD2	SJ	SJ		3	4	11	29N	11W	235791	4069416 🌍	102	60	42
SJ 04254 POD3	SJ	SJ		3	4	11	29N	11W	235688	4069482 🌍	85	46	39
SJ 04254 POD4	SJ	SJ		3	4	11	29N	11W	235754	4069504 🌍	100	41	59
SJ 04254 POD5	SJ	SJ		3	4	11	29N	11W	235721	4069524 🌍	100	63	37
SJ 04254 POD6	SJ	SJ		3	4	11	29N	11W	235774	4069567 🌍	100	64	36
SJ 04254 POD7	SJ	SJ		3	4	11	29N	11W	235615	4069664 🌍	85	35	50
SJ 04254 POD8	SJ	SJ		3	4	11	29N	11W	235667	4069675 🌍	88	39	49
SJ 04254 POD9	SJ	SJ		3	4	11	29N	11W	235645	4069741 🌍	79	23	56
SJ 04273 POD1	SJM2	SJ	1	1	3	14	29N	11W	234900	4068537 🌍	50		
SJ 04291 POD1	SJM2	SJ	1	4	3	14	29N	11W	235314	4067967 🌍	55		
SJ 04349 POD1	SJM2	SJ	3	3	1	22	29N	11W	233159	4067219 🌍	56	56	0

*UTM location was derived from PLSS - see Help

Released to Imaging: 1/30/2024 3:00:11 PM

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

ceived by OCD: 8/15/2023 10:45:18 AM		Page 35	of 38
	Average Depth to Water:	27 feet	
	Minimum Depth:	3 feet	
	Maximum Depth:	300 feet	
Record Count: 82	·		

Section(s): 14, 10, 11, 12, Township: 29N Range: 11W 13, 15, 22, 23, 24



APPENDIX C

Executed C-138 Solid Waste Acceptance Forms
Reelesspedgto demostinstiel(30/2024) 3rielff; 108BM

District I 1625 NFrench Dr., Hobe M 8620 V District II 1301 W. Grand Avenue, Artesia, NM 88210	Derry Uners and Netural Resources	97057-0992 Form C-138 Revised 08/01/11
District III 1000 Rto Brazos Road, Aztec, NM 87410	Oil Conservation Division 1220 South St. Francis Dr.	*Surface Waste Management Facility Operator and Generator shall maintain and make this
District W 1220 S. St. Francis Dr., Santa Fe, NM 87505	Santa Fe, NM 87505	documentation available for Division inspection.
	OR APPROVAL TO ACCEPT	SOLID WASTE
1. Generator Name and Address: Enterprise Field Services, LLC, 614 Reilly A		
2. Originating Site: Blanco Storage S Tanks		
3. Location of Material (Street Address, Ci Section 14 T 29 N R 11W, San Juan Cou		March 2019
	ensate Tank Bottoms, Hydrocarbon impac	
Source: Tank Cleaning Activities. Description: Hydrocarbon/Produced impacted Estimated Volume _500_yd ³ (bbls) Known V	soil/sludge associated tank cleaning activities Volume (to be entered by the operator at the e	s. end of the haul) 1946/400 yd3/bbls
5. GENERATOR	CERTIFICATION STATEMENT OF WA	ASTE STATUS
I, Thomas Long <i>Jhrm Long</i> , representative or au Generator Signature certify that according to the Resource Conserva		
regulatory determination, the above described v	waste is: (Check the appropriate classification)
	rated from oil and gas exploration and produc aste Acceptance Frequency [] Monthly	
characteristics established in RCRA regula	tions, 40 CFR 261.21-261.24, or listed hazard	he minimum standards for waste hazardous by dous waste as defined in 40 CFR, part 261, ove-described waste is non-hazardous. (Check
□ MSDS Information □ RCRA Hazardous	s Waste Analysis	□ Other (Provide description in Box 4)
GENERATOR 19.15.36.15 WAS	TE TESTING CERTIFICATION STATE	MENT FOR LANDFARMS
Man 1		20
I, Thomas Long 2-20-19, representation Generator Signature the required testing/sign the Generator Waste T	ive for Enterprise Products Operating authoriz	ze to complete
I. Goza Coultrer representative		
I, <u>Grag Cracture</u> , representative frepresentative samples of the oil field waste have been found to conform to the specific required of the representative samples are attached to de 19.15.36 NMAC.	ve been subjected to the paint filter test and te uirements applicable to landfarms pursuant to	sted for chloride content and that the samples Section 15 of 19.15.36 NMAC. The results
5. Transporter: OFT		
OCD Permitted Surface Waste Managemen	nt Facility	
Name and Facility Permit #: Envirotech Address of Facility: Hilltop, NM Method of Treatment and/or Disposal:	n Treating Plant Landfarm	NM 01-0011
Waste Acceptance Status:		
PRINT NAME: Grag Crabbree SIGNATURE: Surface Waste Management Facility	TITLE: ENDERO MAN TELEPHONE NO.:	D (Must Be Maintained As Permanent Record) $\frac{445222}{-632-0615}$ DATE: $3/5/19$
5796 US Highway 64, Farmington, NM 87401	Ph (505) 632-0615 Fx (505) 632-186	55 envirotech-in

Ph (970) 259-0615 Fr (800) 362-1879

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

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

97057-0992 Form C-138 Revised 08/01/11

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

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	
1. Generator Name and Address: Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401	AFE: N41242 PayKey: RB21200 PM: Chad Timmerman
2. Originating Site: Blanco Storage S Tanks	
3. Location of Material (Street Address, City, State or ULSTR): NW ¼ NW ¼ Section 14 T 29 N R 11W, San Juan County, NM; 36.731516, -107.9659	45 Apr. 1/May 2019
4. Source and Description of Waste:	
Source: Overtopping of a storage tank. Description: Hydrocarbon/Condensate impacted soil associated truck over flow. Estimated Volume _50 yd ³ bbls Known Volume (to be entered by the operator at the end of	of the haul) <u>1994</u> Sa ³ bbls
5. GENERATOR CERTIFICATION STATEMENT OF WAS	TE STATUS
I, Thomas Long Jham Long, representative or authorized agent for Enterprise Products Operating Generator Signature certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Env regulatory determination, the above described waste is: (Check the appropriate classification)	
RCRA Exempt: Oil field wastes generated from oil and gas exploration and production exempt waste. Operator Use Only: Waste Acceptance Frequency [] Monthly [] W	
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardou subpart D, as amended. The following documentation is attached to demonstrate the above the appropriate items)	is waste as defined in 40 CFR, part 261,
□ MSDS Information □ RCRA Hazardous Waste Analysis ⊠ Process Knowledge □	Other (Provide description in Box 4)
GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEME	INT FOR LANDFARMS
I, Thomas Long 4-15-19, representative for Enterprise Products Operating authorizes Generator Signature the required testing/sign the Generator Waste Testing Certification.	Envirotech <u>, Inc.</u> to complete
I, <u>Grey Crabba</u> , representative for <u>Envirotech, Inc.</u> representative samples of the oil field waste have been subjected to the paint filter test and teste have been found to conform to the specific requirements applicable to landfarms pursuant to Se of the representative samples are attached to demonstrate the above-described waste conform to 19.15.36 NMAC.	ection 15 of 19.15.36 NMAC. The results of the requirements of Section 15 of
5. Transporter: Wood Group or subcontractors OFT, Sweazen, Stan Hor	n, Bailey's Yucca, La Plata
OCD Permitted Surface Waste Management Facility	
Name and Facility Permit #: Envirotech Inc. Soil Remediation Facility * Permit #: NM Address of Facility: Hilltop, NM Method of Treatment and/or Disposal: Evaporation Injection Treating Plant Z Landfarm La	
Waste Acceptance Status:	Must Be Maintained As Permanent Record)
PRINT NAME: Grey Cabbree SIGNATURE: Sufface Waste Management Facility Authorized Agent 505-632-061	5 DATE: 4/8/19

.

District 1 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

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

97057-0992 Form C-138 Revised 08/01/11

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

REQUEST FOR APPROVAL TO ACCEPT SOL	ID WASTE
	AFE: N41242
1. Generator Name and Address: Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401	PayKey: RB21200 PM: Chad Timmerman
2. Originating Site: Blanco Storage S Tanks	
3. Location of Material (Street Address, City, State or ULSTR): NW ¼ NW ¼ Section 14 T 29 N R 11W, San Juan County, NM; 36.731516, -107.965945	May/June 2019
4. Source and Description of Waste: Source: Hydrocarbon impacted soil associated with remediation activities from overflowing of Description: Hydrocarbon/Condensate impacted soil associated with remediation activities. Estimated Volume _100 yd / bbls Known Volume (to be entered by the operator at the end of the second seco	
5. GENERATOR CERTIFICATION STATEMENT OF WASTE	STATUS
I, Thomas Long ^{there} , representative or authorized agent for Enterprise Products Operating do Generator Signature certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environ regulatory determination, the above described waste is: (Check the appropriate classification)	
RCRA Exempt: Oil field wastes generated from oil and gas exploration and production op exempt waste. <i>Operator Use Only: Waste Acceptance Frequency</i> Monthly Week	erations and are not mixed with non-
RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the mini- characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous was subpart D, as amended. The following documentation is attached to demonstrate the above-dee the appropriate items)	aste as defined in 40 CFR, part 261,
□ MSDS Information □ RCRA Hazardous Waste Analysis □ Process Knowledge □ Oth	er (Provide description in Box 4)
GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT	FOR LANDFARMS
I, Thomas Long Generator Signature the required testing/sign the Generator Waste Testing Certification.	virotech <u>, Inc.</u> to complete
1, <u>Grea</u> <u>Crailbred</u> , representative for <u>Envirotech</u> . Inc. representative samples of the oil field waste have been subjected to the paint filter test and tested for have been found to conform to the specific requirements applicable to landfarms pursuant to Section of the representative samples are attached to demonstrate the above-described waste conform to the 19.15.36 NMAC.	n 15 of 19.15.36 NMAC. The results requirements of Section 15 of
5. Transporter: Wood Group or subcontractors La Plata, Bailey's, Riley's,	JTAN MOIN, JURGZEG
OCD Permitted Surface Waste Management Facility	
Name and Facility Permit #: Envirotech Inc. Soil Remediation Facility * Permit #: NM 01-6 Address of Facility: Hilltop, NM Method of Treatment and/or Disposal: Evaporation Injection Treating Plant X Landfarm Landfi	_
Waste Acceptance Status:	t Be Maintained As Permanent Record)
PRINT NAME: Greg Crubbree TITLE: Enviro Manager SIGNATURE: The The Telephone NO.:	2 DATE: <u>5/22/19</u>
SIGNATURE: TELEPHONE NO.: 505-632-06	<u>15</u>

.

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Page 40 of 384

.

Form C-138 Revised 08/01/11

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

97257-0992

1220 S. St. Francis Dr., Santa Fe, NM 87505	ID WACTE
REQUEST FOR APPROVAL TO ACCEPT SOL	
1. Generator Name and Address: Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401	AFE: N41242 PayKey: RB21200 PM: Chad Timmerman
2. Originating Site: Blanco Storage S Tanks	
3. Location of Material (Street Address, City, State or ULSTR): NW ¼ NW ¼ Section 14 T 29 N R 11W, San Juan County, NM; 36.731516, -107.965945	June 2019
4. Source and Description of Waste: Source: Hydrocarbon impacted soil associated with remediation activities from overflowing or Description: Hydrocarbon/Condensate impacted soil associated with remediation activities. Estimated Volume _100 yd/ bbls Known Volume (to be entered by the operator at the end of the	he haul) <u>30</u> (yd) / bbls
5. GENERATOR CERTIFICATION STATEMENT OF WASTES	STATUS
I, Thomas Long <i>Jhrm Lorg</i> , representative or authorized agent for Enterprise Products Operating do Generator Signature certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environ regulatory determination, the above described waste is: (Check the appropriate classification)	
	erations and are not mixed with non- ly Per Load
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the mini characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous was subpart D, as amended. The following documentation is attached to demonstrate the above-dest the appropriate items)	aste as defined in 40 CFR, part 261,
□ MSDS Information □ RCRA Hazardous Waste Analysis □ Process Knowledge □ Oth	er (Provide description in Box 4)
GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT	
I, Thomas Long 6-20-19, representative for Enterprise Products Operating authorizes Env Generator Signature the required testing/sign the Generator Waste Testing Certification.	rirotech <u>, Inc.</u> to complete
I, <u>Crag</u> <u>Crabbras</u> , representative for <u>Envirotech, Inc.</u> representative samples of the oil field waste have been subjected to the paint filter test and tested fo have been found to conform to the specific requirements applicable to landfarms pursuant to Section of the representative samples are attached to demonstrate the above-described waste conform to the 19.15.36 NMAC.	n 15 of 19.15.36 NMAC. The results
5. Transporter: Wood Group or subcontractors 5 Weazen	
OCD Permitted Surface Waste Management Facility Name and Facility Permit #: Envirotech Inc. Soil Remediation Facility * Permit #: NM 01-0 Address of Facility: Hilltop, NM Method of Treatment and/or Disposal: Evaporation Injection Treating Plant Landfarm Landfi	_
	t Be Maintained As Permanent Record) ngun DATE: <u>6/25/19</u> 15

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

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

97057-0992 Form C-138 Revised 08/01/11

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

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	
1. Generator Name and Address: Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401	AFE: N41242 PayKey: RB21200 PM: Chad Timmerman
2. Originating Site: Blanco Storage S Tanks	
3. Location of Material (Street Address, City, State or ULSTR): NW ¼ NW ¼ Section 14 T 29 N R 11W, San Juan County, NM; 36.731516, -107.965945	Jan/Feh. 2020
 Source and Description of Waste: Source: Hydrocarbon impacted soil/sludge associated with remediation activities from overflo Description: Hydrocarbon/Gondensate impacted soil associated with remediation activities. Estimated Volume 300 (yd³ / bbls) Known Volume (to be entered by the operator at the end of the source of the	
5. GENERATOR CERTIFICATION STATEMENT OF WASTE S	TATUS
I, Thomas Long ⁽⁾ , representative or authorized agent for Enterprise Products Operating do h Generator Signature certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environm regulatory determination, the above described waste is: (Check the appropriate classification)	
RCRA Exempt: Oil field wastes generated from oil and gas exploration and production ope exempt waste. <u>Operator Use Only: Waste Acceptance Frequency Monthly</u> Weekl	
RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minir characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous was subpart D, as amended. The following documentation is attached to demonstrate the above-desc the appropriate items)	ste as defined in 40 CFR, part 261,
□ MSDS Information □ RCRA Hazardous Waste Analysis □ Process Knowledge □ Othe	r (Provide description in Box 4)
GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT I	FOR LANDFARMS
I, Thomas Long I-6-20, representative for Enterprise Products Operating authorizes Enviro Generator Signature the required testing/sign the Generator Waste Testing Certification.	otech <u>, Inc.</u> to complete
I, <u>Greg</u> <u>Crabbus</u> , representative for <u>Envirotech</u> , Inc. representative samples of the oil field waste have been subjected to the paint filter test and tested for have been found to conform to the specific requirements applicable to landfarms pursuant to Section of the representative samples are attached to demonstrate the above-described waste conform to the r 19.15.36 NMAC.	15 of 19.15.36 NMAC. The results requirements of Section 15 of
5. Transporter: Riley Industrial or West States Energy Contractors or subcontractors.	Nerrera, Prado, Yucca
OCD Permitted Surface Waste Management Facility	, -
Name and Facility Permit #: Envirotech Inc. Soil Remediation Facility * Permit #: NM 01-00 Address of Facility: Hilltop, NM Method of Treatment and/or Disposal: Evaporation Injection Treating Plant Z Landfarm Landfill	
Waste Acceptance Status: APPROVED DENIED (Must I PRINT NAME: GW2 g Cvu bhun TITLE: Enviro Management Facility Authorized Agent Signature: Syntace Waste Management Facility Authorized Agent TITLE: Enviro Management Facility Authorized Agent	

•

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources 97057-0992 Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Page 42 of 384

Form C-138 Revised 08/01/11

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

REQUEST FOR APPROVAL TO ACCEPT SOLI	D WASTE
1. Generator Name and Address: Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401	AFE: N41242 PayKey: RB21200 PM: Chad Timmerman
2. Originating Site: Blanco Storage S Tanks	
 Location of Material (Street Address, City, State or ULSTR): NW ¼ NW ¼ Section 14 T 29 N R 11W, San Juan County, NM; 36.731516, -107.965945 	Feb. 2020
4. Source and Description of Waste: Source: Hydrocarbon impacted soil/sludge associated with remediation activities from overflo Description: Hydrocarbon/Condensate impacted soil associated with remediation activities. Estimated Volume <u>300</u> (yd ³ / bbls) Known Volume (to be entered by the operator at the end of the set of t	- ,-
5. GENERATOR CERTIFICATION STATEMENT OF WASTE S	TATUS
I, Thomas Long , representative or authorized agent for Enterprise Products Operating do h Generator Signature certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environm	
regulatory determination, the above described waste is: (Check the appropriate classification)	
RCRA Exempt: Oil field wastes generated from oil and gas exploration and production ope exempt waste. <u>Operator Use Only: Waste Acceptance Frequency</u> Monthly Weekl	rations and are not mixed with non- <u>Per Load</u>
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minir characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous was subpart D, as amended. The following documentation is attached to demonstrate the above-desc the appropriate items)	ste as defined in 40 CFR, part 261,
🗆 MSDS Information 🔲 RCRA Hazardous Waste Analysis 🗇 Process Knowledge 🗇 Othe	r (Provide description in Box 4)
GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT I	FOR LANDFARMS
I, Thomas Long 2-10-2020, representative for Enterprise Products Operating authorizes En Generator Signature the required testing/sign the Generator Waste Testing Certification.	virotech <u>, Inc.</u> to complete
I, <u>Gwg Crabbulc</u> , representative for <u>Envirotech. Inc.</u> representative samples of the oil field waste have been subjected to the paint filter test and tested for have been found to conform to the specific requirements applicable to landfarms pursuant to Section of the representative samples are attached to demonstrate the above-described waste conform to the r 19.15.36 NMAC.	chloride content and that the samples 15 of 19.15.36 NMAC. The results requirements of Section 15 of
5. Transporter: Riley Industrial or West States Energy Contractors or subcontractors.	D. De Herrera, ACE, Yacca
OCD Permitted Surface Waste Management Facility	
Name and Facility Permit #: Envirotech Inc. Soil Remediation Facility * Permit #: NM 01-00 Address of Facility: Hilltop, NM Method of Treatment and/or Disposal: Evaporation Injection Treating Plant Z Landfarm Landfill	
Waste Acceptance Status:	
PRINT NAME: Treg Outbree TITLE: Fullos Manage SIGNATURE: Surface Waste Management Facility Authorized Agent TITLE: Fullos Manage Surface Waste Management Facility Authorized Agent Surface Waste Management Facility Authorized Agent TITLE: 505-632-0615	



APPENDIX D

Photographic Documentation

Enterprise Field Services, LLC Site Characterization Report and Remediation Plan Blanco Storage S Tanks (2019) Ensolum Project No. 05A1226045



Photograph 1

Photograph Description: View of the former storage area.



Photograph 2

Photograph Description: View of the in-process excavation activities.



Photograph 3

Photograph Description: View of the in-process excavation activities.



Enterprise Field Services, LLC Site Characterization Report and Remediation Plan Blanco Storage S Tanks (2019)



Page 45 of 384

Photograph 4

Photograph Description: View of the in-process excavation activities.

Ensolum Project No. 05A1226045



Photograph 5

Photograph Description: View of deferment area represented by samples S-24, S-25, S-32, and S-33.



Photograph 6

Photograph Description: View of the in-process excavation activities and S-38 sample location (deferment area).



Enterprise Field Services, LLC Site Characterization Report and Remediation Plan Blanco Storage S Tanks (2019) Ensolum Project No. 05A1226045



Photograph 7 Photograph Description: View of the in-process excavation activities.	
Photograph 8 Photograph Description: View of the in-process excavation activities.	<image/>
Photograph 9 Photograph Description: View of the in-process excavation activities.	

Photograph 10

SITE PHOTOGRAPHS

Page 47 of 384

Enterprise Field Services, LLC Site Characterization Report and Remediation Plan Blanco Storage S Tanks (2019) Ensolum Project No. 05A1226045



Photograph Description: View of the in-process excavation activities.

Photograph 11

Photograph Description:

Photo on right: View of deferment area represented by samples HB-10@1'-5' and HB-11@1'-5' (from the south after part of the excavation had been backfilled during construction).

Photo on left: The area represents the samples that exceeded the holding time and were replaced by HB-10 & HB-11.

Photograph 12

Photograph Description: View of the in-process excavation activities.

Enterprise Field Services, LLC Site Characterization Report and Remediation Plan Blanco Storage S Tanks (2019) Ensolum Project No. 05A1226045



Photograph 13 Photograph Description: View of the in-process excavation activities. Photograph 14 Photograph Description: View of the in-process excavation activities.



APPENDIX E

Regulatory Correspondence

From:	Long, Thomas
То:	"Smith, Cory, EMNRD (Cory.Smith@state.nm.us)"
Cc:	Stone, Brian
Subject:	FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945
Date:	Thursday, September 5, 2019 7:45:00 AM

Cory,

This email is a notification that Enterprise will be installing soil boring and collecting soil samples for laboratory analysis in the west berm at the Blanco Storage facility tomorrow, September 6, 2019 at 9:00 a.m. This will be the replacement sampling for the samples that the laboratory allowed to expire. If you have any questions, please call or email.

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) <u>tjlong@eprod.com</u>

From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Sent: Friday, July 19, 2019 2:37 PM
To: Stone, Brian <bmstone@eprod.com>; Long, Thomas <tjlong@eprod.com>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Brian,

OCD approves the alternative sampling time please include this approval in your final report.

Thanks,

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Stone, Brian <<u>bmstone@eprod.com</u>>
Sent: Friday, July 19, 2019 9:45 AM
To: Long, Thomas <<u>tjlong@eprod.com</u>>; Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory, We plan to sample the northwest berm again at 8am on Monday July 22. From: Stone, Brian
Sent: Thursday, July 18, 2019 3:53 PM
To: Long, Thomas <tjlong@eprod.com>; 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)'
<Cory.Smith@state.nm.us>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory,

My apologies for not providing timely notification on sampling. Per our discussion, we sampled at 4 locations on the northwest berm today. We will continue to backfill and then take more samples higher up.

Brian Stone 970-210-2170

From: Long, Thomas <tjlong@eprod.com>
Sent: Monday, July 1, 2019 7:59 AM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>
Cc: Stone, Brian
bmstone@eprod.com>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory,

Please find the attached site sketch and lab report for the Blanco Storage excavation. All sample results are now below the Tier I standers for this area. Enterprise will backfill the excavation with clean imported fill material which includes the reconstruction of the western berm. Enterprise will also install soil borings in the northwest berm, once backfill levels have been obtained to allow access. Enterprise will continue remediation activities to the west after the reconstruction of the western berm is completed. If you have any questions, please all or email.

Sincerely,

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



From: Long, Thomas
Sent: Wednesday, June 26, 2019 2:02 PM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory,

This is a follow up to our phone conversation. We will be sampling tomorrow at 10:00 am. If you have any questions, please call or email.

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) <u>tjlong@eprod.com</u>

From: Long, Thomas
Sent: Tuesday, June 25, 2019 4:52 PM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>
Cc: Stone, Brian
bmstone@eprod.com>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory,

Please find the attached site sketch and lab report for Blanco Storage. All samples results are below the Tier I standard except for S-49 with 165 ppm TPH. We will be excavating more in this area tomorrow and will be re-sampling at 2:00 p.m. If you have any questions, please call or email.

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com

From: Long, Thomas
Sent: Friday, June 21, 2019 3:47 PM
To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory/Whitney,

This email is to notify you that Enterprise will be collecting soil samples for laboratory analysis Monday, June 24, 2019 at 12:30 a.m. at Blanco Storage. If you have any questions, please call or email.

Sincerely,

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) <u>tjlong@eprod.com</u>

From: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Sent: Tuesday, June 18, 2019 3:48 PM
To: Long, Thomas <<u>tilong@eprod.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Tom,

Thank you for the update, as mentioned on the phone a separate C-141 is not needed for the incident. Please just make note of the incident on the current spill remediation and why additional samples were taken.

Thanks,

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Long, Thomas <tilong@eprod.com>
Sent: Tuesday, June 18, 2019 2:45 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Stone, Brian
bmstone@eprod.com>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory,

This is a follow up to our phone conversation earlier today. One of the temporary hoses for loading condensate came unclamped and released approximately 20 barrels of condensate into the western

excavation that we just remediated. We recovered a lot of the released fluids and stopped the release quickly. There was approximately three feet of backfill material that had been compacted in the bottom of the excavation as well. I will keep you informed as to when we have the impacted material excavated and we are ready to collect soil samples for laboratory analysis. 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 <<u>Cory.Smith@state.nm.us</u>>
Sent: Monday, June 17, 2019 7:28 AM
To: Long, Thomas <<u>tilong@eprod.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Tom,

The OCD will approve the Deferment request for the contaminates underneath the equipment. Please keep in mind that to approve the deferment the contaminates must be fully delineated.

Thanks,

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Long, Thomas <tjlong@eprod.com>
Sent: Wednesday, June 12, 2019 4:08 PM

To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory,

Please find the attached site sketch and lab report for the Blanco Storage excavation. All samples results are below the Tier I remediation standard except for S-38 with a result of 191 ppm TPH. I have also attached photos of this side wall to demonstrate the location and potential safety hazards. Enterprise requests a deferment of remediation activities in this direction until facility closure, as that additional excavating will jeopardize the structural integrity of the condensate tanks and their concrete foundations. Upon approval of the deferment request, Enterprise will backfill the main excavation with clean import fill material. We still have additional remediation on the west side of the excavation (West of S-41 and north of S-45). Enterprise will coordinate with you when remediation is completed in this area and when final closure samples will be collected for laboratory analysis. If you have any questions, please call or email.

Sincerely,

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



From: Long, Thomas
Sent: Monday, June 10, 2019 7:37 AM
To: 'Smith, Cory, EMNRD' <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Powell, Brandon, EMNRD <<u>Brandon.Powell@state.nm.us</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory,

This email is a follow up to our phone conversation and to notify you Enterprise will collecting soil samples for laboratory analysis tomorrow, June 11, 2019 at 8:30 a.m. If you have any questions, please all or email.

Sincerely,

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: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Sent: Friday, May 10, 2019 7:43 AM
To: Long, Thomas <<u>tilong@eprod.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Powell, Brandon, EMNRD <<u>Brandon.Powell@state.nm.us</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Tom,

OCD approves Enterprises Deferment request for Samples S-24/25. Please Include Enterprises determination and OCD approval in your final C-141.

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Long, Thomas <tilong@eprod.com>
Sent: Thursday, May 9, 2019 3:15 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Stone, Brian
bmstone@eprod.com>; Powell, Brandon, EMNRD <Brandon.Powell@state.nm.us>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory,

Please find the attached site sketch, lab report, pictures and summary table for the Blanco Storage S

Tanks excavation. We have completed the delineation of the impacted soil underneath and towards the loading dock and drip tank (SE corner of the containment) by installing soil borings horizontally utilizing a hand auger. Aliquots were collected from the soil borings to create composite soil samples S-32 and S-33 at 2-3 foot depths into the side wall. I have calculated approximately 18 cubic yards of impacted soil in place. I used a 20 feet (side wall length) X 8 feet (side wall height) X 3 feet (section thickness). So, 20x8x3/27 = ~18 cubic yards. Any further excavating in this area will jeopardize the existing structures (loading dock and drip tank). Enterprise requests a deferment for the remediation activities until facility closure for the impacted soil in the areas associated with soil composite samples S-24 and S-25. Please acknowledge agreement to this deferment request. If you have any questions, please call or email.

Sincerely,

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: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Sent: Monday, May 6, 2019 3:52 PM
To: Long, Thomas <<u>tilong@eprod.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Powell, Brandon, EMNRD <<u>Brandon.Powell@state.nm.us</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Tom,

Has there been any delineation on the other side of the concrete loading dock that Characterizes the size of the remaining impacts?

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us From: Long, Thomas <tilong@eprod.com>
Sent: Monday, May 6, 2019 3:41 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Stone, Brian
bmstone@eprod.com>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory,

Please find the attached site sketch and lab report for the Blanco Storage S Tanks excavation. All samples results are below the site specific remediation standard except for S-24 (312 ppm TPH) and S-25 (102 PPM TPH). Enterprise requests a variance for these two sample locations, as that additional remediation by excavating is not practicable, as that it is under mining the concrete loading dock area causing structural instability. The areas where soils samples S-27 through S-31 were collected will be backfilled with clean imported fill material. Please acknowledge if you accept this variance request. If you have any questions, please call or email.

Sincerely,

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



From: Long, Thomas
Sent: Thursday, May 2, 2019 9:03 AM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>
Cc: Stone, Brian
bmstone@eprod.com>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory,

This email is to notify you that Enterprise will collect soil samples for laboratory analysis, tomorrow May 3, 2019 at 10:00 a.m. at the Blanco Storage S Tanks excavation. If you have any questions, please call or email.

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) <u>tjlong@eprod.com</u>

From: Long, Thomas
Sent: Monday, April 29, 2019 7:53 AM
To: 'Smith, Cory, EMNRD (<u>Cory.Smith@state.nm.us</u>)' <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory,

We will not be ready to sample this morning. I will keep you informed as to the when we will be ready to sample again. If you have any questions, please all or email.

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) <u>tjlong@eprod.com</u>

From: Long, Thomas
Sent: Friday, April 26, 2019 10:59 AM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>
Cc: Stone, Brian
bmstone@eprod.com>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory,

This email is to notify that Enterprise anticipates collecting soil samples for laboratory analysis at for Blanco Storage S Tanks excavation on Monday, April 29, 2019 at 11:00 a.m. If you have any questions, please call or email.

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com

From: Long, Thomas
Sent: Thursday, April 25, 2019 7:15 AM
To: 'Smith, Cory, EMNRD' <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Powell, Brandon, EMNRD <<u>Brandon.Powell@state.nm.us</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory,

Please find the attached site sketch and lab report for Blanco Storage S Tanks excavation. We have completed remediation on the east wall and southeast corner of the containment. We will continue remediation on the south and west walls. I will keep you informed as to when we will collect soil samples for laboratory analysis. 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: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Sent: Tuesday, April 23, 2019 7:45 AM
To: Long, Thomas <<u>tilong@eprod.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Powell, Brandon, EMNRD <<u>Brandon.Powell@state.nm.us</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Tom,

Got it, hopefully I can get an inspector to it today.

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Long, Thomas <<u>tilong@eprod.com</u>>
Sent: Tuesday, April 23, 2019 7:44 AM
To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Powell, Brandon, EMNRD <<u>Brandon.Powell@state.nm.us</u>>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,

-107.965945

Cory,

Did you get this notification that I sent yesterday as well?

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) <u>tjlong@eprod.com</u>

From: Long, Thomas
Sent: Monday, April 22, 2019 1:18 PM
To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Brandon Powell (<u>brandon.powell@state.nm.us</u>)
<<u>brandon.powell@state.nm.us</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory,

This email is to notify you that Enterprise will be collecting soil samples for laboratory analysis from the east wall and southeast wall at the Blanco Storage S Tanks excavation tomorrow, April 23, 2019 at 12:00 p.m. If you have any questions, please call or email.

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com

From: Powell, Brandon, EMNRD <<u>Brandon.Powell@state.nm.us</u>>
Sent: Wednesday, April 17, 2019 2:18 PM
To: Long, Thomas <<u>tilong@eprod.com</u>>; Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Tom,

What would be your proposed timeline be for the additional delineation? Also would there be any constraints to performing in situ remediation? Finally what is the site ranking and why?

Thank You

Brandon Powell

Office: (505) 334-6178 ext. 116

"He who wishes to gain knowledge is wiser than he who thinks he has knowledge (unknown)"

From: Long, Thomas <tjlong@eprod.com>
Sent: Wednesday, April 17, 2019 1:10 PM
To: Powell, Brandon, EMNRD <<u>Brandon.Powell@state.nm.us</u>>; Smith, Cory, EMNRD
<<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Brandon,

Not completely. Vertical delineation is complete. It terminates at the sandstone approximately eight feet below the base of the secondary containment floor. Lateral delineation to the east is almost complete. Lateral delineation to the west stops at the western berm, as that additional delineation to the west does not exist because of the vertical drop. Northern delineation is not practicable utilizing a track hoe because of the existing concrete foundation and tank farm. Southern delineation is almost complete, but is also not practicable utilizing at track hoe because of the existing utilities and structures. Continuing delineation during remediation has become hazardous and very difficult. Enterprise requests to backfill the current excavation and continue delineation activities by installing soil borings utilizing a hand auger or drilling rig if necessary. Upon completion of delineation activities, development of at remediation plan and subsequent abatement plan. Please acknowledge if you are in agreement. If an onsite meeting is necessary to understand the hazards and difficulties of the project, I am available tomorrow anytime.

Sincerely,

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: Powell, Brandon, EMNRD <<u>Brandon.Powell@state.nm.us</u>>
Sent: Wednesday, April 17, 2019 11:56 AM
To: Long, Thomas <<u>tjlong@eprod.com</u>>; Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,

-107.965945

Good morning Tom,

Has the contamination under the lines and under the tanks been fully delineated?

Thank You

Brandon Powell Office: (505) 334-6178 ext. 116 "He who wishes to gain knowledge is wiser than he who thinks he has knowledge (unknown)"

From: Long, Thomas <tilong@eprod.com>
Sent: Wednesday, April 17, 2019 7:34 AM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Powell, Brandon, EMNRD
<Brandon.Powell@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945
Importance: High

Cory/Brandon,

Please find the attached updated site map, analytical summary, lab reports and photos for the Blanco Storage S Tank excavation. I will have to send another email as that all the attachments will not transmit to NMOCD. We have managed to remediate most of the impacted soil. The entire base at sandstone has been remediated. A majority of the east and southeast wall where accessible have been remediated. We cannot continue north as that we will jeopardize the structural stability of the tanks to the north. We cannot move much farther south because of the underground utilities and the existing tank. Excavating the west berm poses a safety risk as that there is a 12-15 foot drop on the west side of the berm. We are in a bind with safety concerns and operational problems mounting with condensate backing up throughout the basin. We need to complete the construction of the new tank farm at this Blanco Storage facility in order to bring condensate in from the field tanks and compressor stations. If this tank farm is not completed and back in service in the near future, we risk losing storage volume in the field and at the compressor stations, which in turn will affect gas gathering operations, as that we cannot pig our pipelines to remove the fluids. Please see the attached pictures and map for details of the underground structures, utilities, safety hazards including height of the western berm and locations where there is a possibility of jeopardizing the structural integrity of the existing equipment. Enterprise requests deferment of further remediation until closure of the facility. Please acknowledge if you agree to this request. Please give me a call to discuss further in detail. I will send a second email with additional photographs.

Sincerely,

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



From: Long, Thomas
Sent: Friday, April 12, 2019 8:17 AM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>; Brandon Powell (brandon.powell@state.nm.us) <brandon.powell@state.nm.us>
Cc: Stone, Brian
bmstone@eprod.com>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory/Brandon,

This email is to notify you that Enterprise will be collecting soil samples for laboratory analysis at the Blanco Storage S Tanks excavation on Monday, April 15, 2019 at 11:00 a.m. If you have any questions, please call or email.

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) <u>tjlong@eprod.com</u>

From: Fields, Vanessa, EMNRD <<u>Vanessa.Fields@state.nm.us</u>>
Sent: Thursday, March 28, 2019 7:56 AM
To: Long, Thomas <<u>tilong@eprod.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Good morning Tom,

Per our phone conversation the OCD grants approval for Enterprise to backfill the base of the excavation and continue remediation to the east, west and south.

Thank you,

Vanessa Fields Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 119 Cell: (505) 419-0463 vanessa.fields@state.nm.us

From: Long, Thomas <tjlong@eprod.com>
Sent: Wednesday, March 27, 2019 4:44 PM
To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>; Fields, Vanessa, EMNRD
<<u>Vanessa.Fields@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory/Vanessa,

Please find the attached site sketch, summary table and lab report for the Blanco Storage S Tanks excavation. I would like to meet one of you onsite tomorrow to discuss the results and the path forward if it is possible. We have good floor samples as that we ripped through about two feet of sandstone. We are getting close on a couple of wall samples, but you guys have to some see what we are up against. I have attached some pictures. We would like to backfill the base and then continue east, west and south. Please acknowledge receipt of this email and a possibility of meeting in the morning. Maybe at 10:00 a.m.? If you have any questions, please call or email.

Sincerely,

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



From: Long, Thomas Sent: Monday, March 25, 2019 4:53 PM To: 'Smith, Cory, EMNRD (<u>Cory.Smith@state.nm.us</u>)' <<u>Cory.Smith@state.nm.us</u>>; Fields, Vanessa, EMNRD (<u>Vanessa.Fields@state.nm.us</u>) <<u>Vanessa.Fields@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory/Vanessa,

I know this is kind of short notice, but we would like to collect soil samples for laboratory analysis at the Blanco Storage S Tanks excavation tomorrow, Tuesday, March 26, 2019 at 12:00 p.m. Can one of you be available to witness sampling? Please let me know if you can or if we have to reschedule.

Thank you,

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) <u>tjlong@eprod.com</u>

From: Long, Thomas
Sent: Monday, March 25, 2019 9:45 AM
To: 'Smith, Cory, EMNRD (<u>Cory.Smith@state.nm.us</u>)' <<u>Cory.Smith@state.nm.us</u>>; Fields, Vanessa, EMNRD (<u>Vanessa.Fields@state.nm.us</u>) <<u>Vanessa.Fields@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory/Vanessa,

This email is to notify you that sampling activities at the Blanco Storage S Tanks excavation will be postponed due to additional excavating is required. I will keep you informed as to when we will ready to collect soil sample for laboratory analysis. If you have any questions, please call or email.

Sincerely,

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com

From: Long, Thomas
Sent: Friday, March 22, 2019 8:52 AM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>; Fields, Vanessa, EMNRD (Vanessa.Fields@state.nm.us) <Vanessa.Fields@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory/Vanessa,

This email is to notify your that Enterprise will be collecting soil samples for laboratory analysis at the Blanco Storage S Tanks excavation on Monday, March 25, 2019 at 12:00 p.m. This will be a partial sampling as that will have to remediate this release in sections due to equipment and structural stability hazards. Please let me know if you will be onsite to witness sampling. 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: Long, Thomas
Sent: Friday, March 8, 2019 9:44 AM
To: 'Smith, Cory, EMNRD (<u>Cory.Smith@state.nm.us</u>)' <<u>Cory.Smith@state.nm.us</u>>; Fields, Vanessa, EMNRD (<u>Vanessa.Fields@state.nm.us</u>) <<u>Vanessa.Fields@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Vanessa/Cory,

This email is to notify you that Enterprise has encountered a historical release while removing tank old condensate tanks from the Blanco Storage S containment. The tanks were removed yesterday and we began earth work today and discovered the impacted soil. The release site is located UL D Section 14 T 29 N R 11W, 36.731516, -107.965945. I will keep you informed as the when we will be ready to collect final closure samples. If you have any questions, please call or email.

Sincerely,

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:	Smith, Cory, EMNRD
То:	Long, Thomas
Cc:	Stone, Brian
Subject:	RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945
Date:	Tuesday, January 28, 2020 10:24:59 AM

Tom,

Enterprise may proceeded with sampling at 2PM. I will try to get an inspector to swing by.

Thanks

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Long, Thomas <tjlong@eprod.com>
Sent: Tuesday, January 28, 2020 10:00 AM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory,

This email is a follow up to our phone conversation earlier. I have attached a site sketch from where we will be collecting the soil sample (S-59) today. As mentioned earlier, it looks like it will be around 2:00 p.m. today. Enterprise requests permission to proceed. 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: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Sent: Thursday, January 23, 2020 7:39 AM
To: Long, Thomas <<u>tilong@eprod.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Tom,

So long as the contamination is fully delineated vertically and horizontally Enterprise may backfill and request deferment due to the permanent foundation equipment. If the deferment request meets the requirements in <u>19.15.29.12</u> NMAC it will be granted.

Please keep in mind that with a deferral the site status will remain open until remediation is completed.

My recommendation if possible would be to continue remediation to reduce future environmental risk.

Thanks,

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Long, Thomas <<u>tilong@eprod.com</u>>
Sent: Wednesday, January 22, 2020 3:28 PM
To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory,

Please find the attached site sketch, lab reports and photos for the Blanco Storage excavation. Soil samples results for S-54 (2,010 PPM TPH and 142.1 PPM BTEX) and S-57 (8,180 PPM TPH and 386 PPM BTEX) exceed NMOCD Tier I remediation standards. These soils samples were collected from the east side wall of the excavation where the transfer pumps and their concrete foundations exist and we cannot continue excavating in that direction without jeopardizing the structural integrity of the pumps and their foundations. I have attached pictures from where the soil samples were collected. Enterprise requests a deferment of remediation activities until facility closure in these

areas under the transfer pumps and their concrete foundations associated with soils samples S-54 and S-57. In addition, Enterprise requests to backfill the areas from which soils samples S-53, S-55, S-56, and S-58 were collected, as that sample results are compliant with NMOCD Tier I soil remediation standards. Backfilling these areas would allow us to safely continue remediation to the west and south. Please acknowledge acceptance of this deferment and backfilling request. If you have any questions, please call or email.

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



From: Long, Thomas
Sent: Tuesday, January 21, 2020 4:00 PM
To: 'Smith, Cory, EMNRD' <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory,

This email is a notification that Enterprise will be collecting soil samples for laboratory analysis tomorrow, January 22, 2020 at 1:00 p.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) tjlong@eprod.com



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

Sent: Tuesday, January 21, 2020 7:26 AM
To: Long, Thomas <tjlong@eprod.com>
Cc: Stone, Brian
bmstone@eprod.com>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Tom,

OCD approves the 400 sqft Sampling event, please include this approval for your final report.

As for the sampling time, as mentioned on the phone I probably cannot make a 12pm sampling event, and have a tentative meeting at 2PM. Please let me know the sampling time asap due to weather etc.

Thanks,

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Long, Thomas <tjlong@eprod.com>
Sent: Tuesday, January 21, 2020 7:18 AM
To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory,

Please the attached site sketch and lab report from the Blanco Storage excavation. S-54 (slope) is a side wall where there is a concrete foundation and pumps. We are continuing in the area of S-53 and to the west and south. We still maybe sampling at noon today. I will keep you informed.

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: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Sent: Tuesday, January 21, 2020 7:11 AM
To: Long, Thomas <<u>tjlong@eprod.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Tom,

What areas are being sampled from the previous sampling event?

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Long, Thomas <tilong@eprod.com>
Sent: Monday, January 20, 2020 12:27 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Stone, Brian
bmstone@eprod.com>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory,

This email is to notify you that Enterprise will collecting soil samples for laboratory analysis tomorrow, January 21, 2020 at 12:00 p.m. Also, previously on this project you approved a sample interval variance of 400 square feet per composite sample. Enterprise requests to continue utilizing the 400 square foot sample interval for the duration of the project. Please acknowledge acceptance of this request. If you have any questions, please call or email.

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


From: Long, Thomas
Sent: Monday, January 13, 2020 2:54 PM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory,

This email is to inform you that Enterprise will be continuing the remediation efforts a Blanco Storage tomorrow. We will remediating to the south and west of S-39. I have attached the latest site sketch for reference. 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: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Sent: Friday, July 19, 2019 2:37 PM
To: Stone, Brian <<u>bmstone@eprod.com</u>>; Long, Thomas <<u>tilong@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Brian,

OCD approves the alternative sampling time please include this approval in your final report.

Thanks,

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Stone, Brian <<u>bmstone@eprod.com</u>>
Sent: Friday, July 19, 2019 9:45 AM
To: Long, Thomas <<u>tjlong@eprod.com</u>>; Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory,

We plan to sample the northwest berm again at 8am on Monday July 22.

From: Stone, Brian
Sent: Thursday, July 18, 2019 3:53 PM
To: Long, Thomas <<u>tilong@eprod.com</u>>; 'Smith, Cory, EMNRD (<u>Cory.Smith@state.nm.us</u>)'
<<u>Cory.Smith@state.nm.us</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory,

My apologies for not providing timely notification on sampling. Per our discussion, we sampled at 4 locations on the northwest berm today. We will continue to backfill and then take more samples higher up.

Brian Stone 970-210-2170

From: Long, Thomas <<u>tilong@eprod.com</u>>
Sent: Monday, July 1, 2019 7:59 AM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory,

Please find the attached site sketch and lab report for the Blanco Storage excavation. All sample results are now below the Tier I standers for this area. Enterprise will backfill the excavation with clean imported fill material which includes the reconstruction of the western berm. Enterprise will also install soil borings in the northwest berm, once backfill levels have been obtained to allow access. Enterprise will continue remediation activities to the west after the reconstruction of the

western berm is completed. If you have any questions, please all or email.

Sincerely,

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



From: Long, Thomas
Sent: Wednesday, June 26, 2019 2:02 PM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory,

This is a follow up to our phone conversation. We will be sampling tomorrow at 10:00 am. If you have any questions, please call or email.

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) <u>tjlong@eprod.com</u>

From: Long, Thomas
Sent: Tuesday, June 25, 2019 4:52 PM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>
Cc: Stone, Brian
bmstone@eprod.com>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory,

Please find the attached site sketch and lab report for Blanco Storage. All samples results are below the Tier I standard except for S-49 with 165 ppm TPH. We will be excavating more in this area tomorrow and will be re-sampling at 2:00 p.m. If you have any questions, please call or email.

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com

From: Long, Thomas
Sent: Friday, June 21, 2019 3:47 PM
To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory/Whitney,

This email is to notify you that Enterprise will be collecting soil samples for laboratory analysis Monday, June 24, 2019 at 12:30 a.m. at Blanco Storage. If you have any questions, please call or email.

Sincerely,

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) <u>tjlong@eprod.com</u>

From: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Sent: Tuesday, June 18, 2019 3:48 PM
To: Long, Thomas <<u>tilong@eprod.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Tom,

Thank you for the update, as mentioned on the phone a separate C-141 is not needed for the incident. Please just make note of the incident on the current spill remediation and why additional samples were taken.

Thanks,

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Long, Thomas <tjlong@eprod.com>
Sent: Tuesday, June 18, 2019 2:45 PM
To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory,

This is a follow up to our phone conversation earlier today. One of the temporary hoses for loading condensate came unclamped and released approximately 20 barrels of condensate into the western excavation that we just remediated. We recovered a lot of the released fluids and stopped the release quickly. There was approximately three feet of backfill material that had been compacted in the bottom of the excavation as well. I will keep you informed as to when we have the impacted material excavated and we are ready to collect soil samples for laboratory analysis. If you have any questions, please call or email.

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



From: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Sent: Monday, June 17, 2019 7:28 AM
To: Long, Thomas <<u>tilong@eprod.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Tom,

The OCD will approve the Deferment request for the contaminates underneath the equipment. Please keep in mind that to approve the deferment the contaminates must be

fully delineated.

Thanks,

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Long, Thomas <tilong@eprod.com>
Sent: Wednesday, June 12, 2019 4:08 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Stone, Brian
bmstone@eprod.com>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory,

Please find the attached site sketch and lab report for the Blanco Storage excavation. All samples results are below the Tier I remediation standard except for S-38 with a result of 191 ppm TPH. I have also attached photos of this side wall to demonstrate the location and potential safety hazards. Enterprise requests a deferment of remediation activities in this direction until facility closure, as that additional excavating will jeopardize the structural integrity of the condensate tanks and their concrete foundations. Upon approval of the deferment request, Enterprise will backfill the main excavation with clean import fill material. We still have additional remediation on the west side of the excavation (West of S-41 and north of S-45). Enterprise will coordinate with you when remediation is completed in this area and when final closure samples will be collected for laboratory analysis. If you have any questions, please call or email.

Sincerely,

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



From: Long, Thomas
Sent: Monday, June 10, 2019 7:37 AM
To: 'Smith, Cory, EMNRD' <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Powell, Brandon, EMNRD <<u>Brandon.Powell@state.nm.us</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory,

This email is a follow up to our phone conversation and to notify you Enterprise will collecting soil samples for laboratory analysis tomorrow, June 11, 2019 at 8:30 a.m. If you have any questions, please all or email.

Sincerely,

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: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Sent: Friday, May 10, 2019 7:43 AM
To: Long, Thomas <<u>tilong@eprod.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Powell, Brandon, EMNRD <<u>Brandon.Powell@state.nm.us</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Tom,

OCD approves Enterprises Deferment request for Samples S-24/25. Please Include Enterprises determination and OCD approval in your final C-141.

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 <u>cory.smith@state.nm.us</u>

From: Long, Thomas <<u>tilong@eprod.com</u>>
Sent: Thursday, May 9, 2019 3:15 PM
To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Powell, Brandon, EMNRD <<u>Brandon.Powell@state.nm.us</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory,

Please find the attached site sketch, lab report, pictures and summary table for the Blanco Storage S Tanks excavation. We have completed the delineation of the impacted soil underneath and towards the loading dock and drip tank (SE corner of the containment) by installing soil borings horizontally utilizing a hand auger. Aliquots were collected from the soil borings to create composite soil samples S-32 and S-33 at 2-3 foot depths into the side wall. I have calculated approximately 18 cubic yards of impacted soil in place. I used a 20 feet (side wall length) X 8 feet (side wall height) X 3 feet (section thickness). So, 20x8x3/27 = ~18 cubic yards. Any further excavating in this area will jeopardize the existing structures (loading dock and drip tank). Enterprise requests a deferment for the remediation activities until facility closure for the impacted soil in the areas associated with soil composite samples S-24 and S-25. Please acknowledge agreement to this deferment request. If you have any questions, please call or email.

Sincerely,

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: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Sent: Monday, May 6, 2019 3:52 PM
To: Long, Thomas <<u>tjlong@eprod.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Powell, Brandon, EMNRD <<u>Brandon.Powell@state.nm.us</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Tom,

Has there been any delineation on the other side of the concrete loading dock that Characterizes the size of the remaining impacts?

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Long, Thomas <tjlong@eprod.com>
Sent: Monday, May 6, 2019 3:41 PM
To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory,

Please find the attached site sketch and lab report for the Blanco Storage S Tanks excavation. All samples results are below the site specific remediation standard except for S-24 (312 ppm TPH) and S-25 (102 PPM TPH). Enterprise requests a variance for these two sample locations, as that additional remediation by excavating is not practicable, as that it is under mining the concrete loading dock area causing structural instability. The areas where soils samples S-27 through S-31 were collected will be backfilled with clean imported fill material. Please acknowledge if you accept this variance request. If you have any questions, please call or email.

Sincerely,

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



From: Long, Thomas
Sent: Thursday, May 2, 2019 9:03 AM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory,

This email is to notify you that Enterprise will collect soil samples for laboratory analysis, tomorrow May 3, 2019 at 10:00 a.m. at the Blanco Storage S Tanks excavation. If you have any questions, please call or email.

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) <u>tjlong@eprod.com</u>

From: Long, Thomas
Sent: Monday, April 29, 2019 7:53 AM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory,

We will not be ready to sample this morning. I will keep you informed as to the when we will be ready to sample again. If you have any questions, please all or email.

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) <u>tjlong@eprod.com</u>

From: Long, Thomas
Sent: Friday, April 26, 2019 10:59 AM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory,

This email is to notify that Enterprise anticipates collecting soil samples for laboratory analysis at for

Blanco Storage S Tanks excavation on Monday, April 29, 2019 at 11:00 a.m. If you have any questions, please call or email.

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com

From: Long, Thomas
Sent: Thursday, April 25, 2019 7:15 AM
To: 'Smith, Cory, EMNRD' <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Powell, Brandon, EMNRD <<u>Brandon.Powell@state.nm.us</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory,

Please find the attached site sketch and lab report for Blanco Storage S Tanks excavation. We have completed remediation on the east wall and southeast corner of the containment. We will continue remediation on the south and west walls. I will keep you informed as to when we will collect soil samples for laboratory analysis. 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 <<u>Cory.Smith@state.nm.us</u>>
Sent: Tuesday, April 23, 2019 7:45 AM

To: Long, Thomas <<u>tilong@eprod.com</u>>

Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Powell, Brandon, EMNRD <<u>Brandon.Powell@state.nm.us</u>> **Subject:** RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Tom,

Got it, hopefully I can get an inspector to it today.

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Long, Thomas <<u>tilong@eprod.com</u>>
Sent: Tuesday, April 23, 2019 7:44 AM
To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Powell, Brandon, EMNRD <<u>Brandon.Powell@state.nm.us</u>>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory,

Did you get this notification that I sent yesterday as well?

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com

From: Long, Thomas
Sent: Monday, April 22, 2019 1:18 PM
To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Brandon Powell (<u>brandon.powell@state.nm.us</u>)
<<u>brandon.powell@state.nm.us</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory,

This email is to notify you that Enterprise will be collecting soil samples for laboratory analysis from the east wall and southeast wall at the Blanco Storage S Tanks excavation tomorrow, April 23, 2019 at 12:00 p.m. If you have any questions, please call or email.

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com

From: Powell, Brandon, EMNRD < Brandon.Powell@state.nm.us>

Sent: Wednesday, April 17, 2019 2:18 PM
To: Long, Thomas <<u>tilong@eprod.com</u>>; Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Tom,

What would be your proposed timeline be for the additional delineation? Also would there be any constraints to performing in situ remediation? Finally what is the site ranking and why?

Thank You

Brandon Powell Office: (505) 334-6178 ext. 116 "He who wishes to gain knowledge is wiser than he who thinks he has knowledge (unknown)"

From: Long, Thomas <tilong@eprod.com>
Sent: Wednesday, April 17, 2019 1:10 PM
To: Powell, Brandon, EMNRD <<u>Brandon.Powell@state.nm.us</u>>; Smith, Cory, EMNRD
<<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Brandon,

Not completely. Vertical delineation is complete. It terminates at the sandstone approximately eight feet below the base of the secondary containment floor. Lateral delineation to the east is almost complete. Lateral delineation to the west stops at the western berm, as that additional delineation to the west does not exist because of the vertical drop. Northern delineation is not practicable utilizing a track hoe because of the existing concrete foundation and tank farm. Southern delineation is almost complete, but is also not practicable utilizing at track hoe because of the existing utilities and structures. Continuing delineation during remediation has become hazardous and very difficult. Enterprise requests to backfill the current excavation and continue delineation activities by installing soil borings utilizing a hand auger or drilling rig if necessary. Upon completion of delineation activities, development of at remediation plan and subsequent abatement plan. Please acknowledge if you are in agreement. If an onsite meeting is necessary to understand the hazards and difficulties of the project, I am available tomorrow anytime.

Sincerely,

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: Powell, Brandon, EMNRD <<u>Brandon.Powell@state.nm.us</u>>
Sent: Wednesday, April 17, 2019 11:56 AM
To: Long, Thomas <<u>tjlong@eprod.com</u>>; Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Good morning Tom,

Has the contamination under the lines and under the tanks been fully delineated?

Thank You

Brandon Powell Office: (505) 334-6178 ext. 116 *"He who wishes to gain knowledge is wiser than he who thinks he has knowledge (unknown)"*

From: Long, Thomas <tilong@eprod.com>
Sent: Wednesday, April 17, 2019 7:34 AM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Powell, Brandon, EMNRD
<Brandon.Powell@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945
Importance: High

Cory/Brandon,

Please find the attached updated site map, analytical summary, lab reports and photos for the Blanco Storage S Tank excavation. I will have to send another email as that all the attachments will not transmit to NMOCD. We have managed to remediate most of the impacted soil. The entire base at sandstone has been remediated. A majority of the east and southeast wall where accessible have been remediated. We cannot continue north as that we will jeopardize the structural stability of the tanks to the north. We cannot move much farther south because of the underground utilities and the existing tank. Excavating the west berm poses a safety risk as that there is a 12-15 foot drop on the west side of the berm. We are in a bind with safety concerns and operational problems

mounting with condensate backing up throughout the basin. We need to complete the construction of the new tank farm at this Blanco Storage facility in order to bring condensate in from the field tanks and compressor stations. If this tank farm is not completed and back in service in the near future, we risk losing storage volume in the field and at the compressor stations, which in turn will affect gas gathering operations, as that we cannot pig our pipelines to remove the fluids. Please see the attached pictures and map for details of the underground structures, utilities, safety hazards including height of the western berm and locations where there is a possibility of jeopardizing the structural integrity of the existing equipment. Enterprise requests deferment of further remediation until closure of the facility. Please acknowledge if you agree to this request. Please give me a call to discuss further in detail. I will send a second email with additional photographs.

Sincerely,

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



From: Long, Thomas
Sent: Friday, April 12, 2019 8:17 AM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>; Brandon Powell (brandon.powell@state.nm.us) <brandon.powell@state.nm.us>
Cc: Stone, Brian
bmstone@eprod.com>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory/Brandon,

This email is to notify you that Enterprise will be collecting soil samples for laboratory analysis at the Blanco Storage S Tanks excavation on Monday, April 15, 2019 at 11:00 a.m. If you have any questions, please call or email.

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com From: Fields, Vanessa, EMNRD <<u>Vanessa.Fields@state.nm.us</u>>
Sent: Thursday, March 28, 2019 7:56 AM
To: Long, Thomas <<u>tilong@eprod.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Good morning Tom,

Per our phone conversation the OCD grants approval for Enterprise to backfill the base of the excavation and continue remediation to the east, west and south.

Thank you,

Vanessa Fields Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 119 Cell: (505) 419-0463 vanessa.fields@state.nm.us

From: Long, Thomas <tjlong@eprod.com>
Sent: Wednesday, March 27, 2019 4:44 PM
To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>; Fields, Vanessa, EMNRD
<<u>Vanessa.Fields@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory/Vanessa,

Please find the attached site sketch, summary table and lab report for the Blanco Storage S Tanks excavation. I would like to meet one of you onsite tomorrow to discuss the results and the path forward if it is possible. We have good floor samples as that we ripped through about two feet of sandstone. We are getting close on a couple of wall samples, but you guys have to some see what we are up against. I have attached some pictures. We would like to backfill the base and then continue east, west and south. Please acknowledge receipt of this email and a possibility of meeting in the morning. Maybe at 10:00 a.m.? If you have any questions, please call or email.

Sincerely,

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



From: Long, Thomas
Sent: Monday, March 25, 2019 4:53 PM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>; Fields, Vanessa, EMNRD (Vanessa.Fields@state.nm.us) <Vanessa.Fields@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory/Vanessa,

I know this is kind of short notice, but we would like to collect soil samples for laboratory analysis at the Blanco Storage S Tanks excavation tomorrow, Tuesday, March 26, 2019 at 12:00 p.m. Can one of you be available to witness sampling? Please let me know if you can or if we have to reschedule.

Thank you,

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) <u>tjlong@eprod.com</u>

From: Long, Thomas
Sent: Monday, March 25, 2019 9:45 AM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>; Fields, Vanessa, EMNRD (Vanessa.Fields@state.nm.us) <Vanessa.Fields@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory/Vanessa,

This email is to notify you that sampling activities at the Blanco Storage S Tanks excavation will be postponed due to additional excavating is required. I will keep you informed as to when we will ready to collect soil sample for laboratory analysis. If you have any questions, please call or email.

Sincerely,

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com

From: Long, Thomas
Sent: Friday, March 22, 2019 8:52 AM
To: 'Smith, Cory, EMNRD (<u>Cory.Smith@state.nm.us</u>)' <<u>Cory.Smith@state.nm.us</u>>; Fields, Vanessa, EMNRD (<u>Vanessa.Fields@state.nm.us</u>) <<u>Vanessa.Fields@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory/Vanessa,

This email is to notify your that Enterprise will be collecting soil samples for laboratory analysis at the Blanco Storage S Tanks excavation on Monday, March 25, 2019 at 12:00 p.m. This will be a partial sampling as that will have to remediate this release in sections due to equipment and structural stability hazards. Please let me know if you will be onsite to witness sampling. If you have any questions, please call or email.

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



From: Long, Thomas
Sent: Friday, March 8, 2019 9:44 AM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>; Fields, Vanessa, EMNRD (Vanessa.Fields@state.nm.us) <Vanessa.Fields@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Vanessa/Cory,

This email is to notify you that Enterprise has encountered a historical release while removing tank old condensate tanks from the Blanco Storage S containment. The tanks were removed yesterday and we began earth work today and discovered the impacted soil. The release site is located UL D

Section 14 T 29 N R 11W, 36.731516, -107.965945. I will keep you informed as the when we will be ready to collect final closure samples. If you have any questions, please call or email.

Sincerely,

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



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

From:	Smith, Cory, EMNRD
То:	Long, Thomas
Cc:	Stone, Brian; Miller, Greg
Subject:	RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945
Date:	Wednesday, February 26, 2020 7:36:59 AM

Tom,

Deferment request are made by submitting a full site characterization/ remediation plan and requesting a Deferment.

As previously mentioned I don't see any issues with granting the deferment so long as the impacts are fully characterized and Enterprise provide a time table for the proposed remediation.

In this case your essentially submitting your full closure report, but calling it a site characterization report/remediation plan.

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Long, Thomas <tjlong@eprod.com>
Sent: Tuesday, February 25, 2020 12:54 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>; Miller, Greg <GEMiller@eprod.com>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory,

Please find the attached site sketch and laboratory analytical summary table for the Blanco Storage excavation. I can send the laboratory reports if required. As pervious discussed during the onsite meeting with you, Enterprise expressed concerns about continuing the excavation activities around the in service existing pipelines in the area of Soil Sample S-61 and to the west due to safety hazards. As discussed and agreed upon, Enterprise installed hydro-excavated soil borings (HB-12 through HB-15) to the west and south of Soil Sample S-61. All sample results were below NMOCD Tier I soil remediation standards except HB-15. The estimated area of impacted soil above NMOCD Tier I soil remediation standards is outlined in green on the attached site sketch. This area has an estimated volume of 250 cubic yards with TPH concentrations ranging from 350 ppm to 940 ppm and no BTEX concentrations exceeding NMOCD remediation standards. Enterprise requests

deferment of remediation activities in this area (outlined in green) until facility decommissioning or until pipeline maintenance activities are scheduled, at which time remediation activities can safely be executed. Please acknowledge agreement of this deferment request. If you have any questions, please call or email.

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



From: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Sent: Thursday, February 6, 2020 9:44 AM
To: Long, Thomas <<u>tjlong@eprod.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Tom,

Sounds good ill put it on the calendar.

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Long, Thomas <tjlong@eprod.com>
Sent: Thursday, February 6, 2020 9:33 AM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Stone, Brian
bmstone@eprod.com>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory,

Thanks for the sample variance approval. As previously discussed, I would like to schedule an onsite meeting with you at the Blanco Storage excavation for Monday, February 10, 2020 at 10:00 a.m. to discuss the path forward on this site. Please let me know this still a convenient time. 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: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Sent: Thursday, February 6, 2020 9:05 AM
To: Long, Thomas <<u>tjlong@eprod.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Tom,

I am ok with sampling today.

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Long, Thomas <tilong@eprod.com>
Sent: Thursday, February 6, 2020 7:15 AM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Stone, Brian
bmstone@eprod.com>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory,

Please find the attached site sketch and lab report for the Blanco Storage excavation. Soil Sample S-65 (base) exceeded the NMOCD Tier I remediation standards. The other two soil samples are below the Tier I standards. Enterprise will excavate more in the area of S-65 and resample late this morning or early this afternoon. Enterprise requests a variance for the required 48 hour sample notification. In addition, will be collecting soil samples from two hydro-excavated soil borings west of Soil Sample S-61 to determine delineation to the west. Please acknowledge acceptance of the variance request. If you have any questions, please call or email.

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



From: Long, Thomas <tilong@eprod.com>
Sent: Monday, February 3, 2020 1:26 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Stone, Brian
bmstone@eprod.com>
Subject: Re: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory,

I sent this email earlier. This is notification that Enterprise will collect soil samples for laboratory analysis at Blanco Storage tomorrow, February 4, 2020 at 1:00 p.m. If you have any questions, please call or email.

Tom Long

On Jan 28, 2020, at 10:24 AM, Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>> wrote:

Tom,

Enterprise may proceeded with sampling at 2PM. I will try to get an inspector to swing by.

Thanks

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Long, Thomas <tjlong@eprod.com>
Sent: Tuesday, January 28, 2020 10:00 AM
To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945

Cory,

This email is a follow up to our phone conversation earlier. I have attached a site sketch from where we will be collecting the soil sample (S-59) today. As mentioned earlier, it looks like it will be around 2:00 p.m. today. Enterprise requests permission to proceed. 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

<image001.jpg>

From: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Sent: Thursday, January 23, 2020 7:39 AM
To: Long, Thomas <<u>tilong@eprod.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945

Tom,

So long as the contamination is fully delineated vertically and horizontally Enterprise

may backfill and request deferment due to the permanent foundation equipment. If the deferment request meets the requirements in <u>19.15.29.12</u> NMAC it will be granted.

Please keep in mind that with a deferral the site status will remain open until remediation is completed.

My recommendation if possible would be to continue remediation to reduce future environmental risk.

Thanks,

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Long, Thomas <tilong@eprod.com>
Sent: Wednesday, January 22, 2020 3:28 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Stone, Brian
bmstone@eprod.com>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945

Cory,

Please find the attached site sketch, lab reports and photos for the Blanco Storage excavation. Soil samples results for S-54 (2,010 PPM TPH and 142.1 PPM BTEX) and S-57 (8,180 PPM TPH and 386 PPM BTEX) exceed NMOCD Tier I remediation standards. These soils samples were collected from the east side wall of the excavation where the transfer pumps and their concrete foundations exist and we cannot continue excavating in that direction without jeopardizing the structural integrity of the pumps and their foundations. I have attached pictures from where the soil samples were collected. Enterprise requests a deferment of remediation activities until facility closure in these areas under the transfer pumps and their concrete foundations associated with soils samples S-54 and S-57. In addition, Enterprise requests to backfill the areas from which soils samples S-53, S-55, S-56, and S-58 were collected, as that sample results are compliant with NMOCD Tier I soil remediation standards. Backfilling these areas would allow us to safely continue remediation to the west and south. Please acknowledge acceptance of this deferment and backfilling request. If you have any questions, please call or email. Thomas J. Long Senior Environmental Scientist Enterprise Products Company 614 Reilly Ave. Farmington, New Mexico 87401 505-599-2286 (office) 505-215-4727 (Cell) <u>tjlong@eprod.com</u>

<image001.jpg>

From: Long, Thomas
Sent: Tuesday, January 21, 2020 4:00 PM
To: 'Smith, Cory, EMNRD' <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945

Cory,

This email is a notification that Enterprise will be collecting soil samples for laboratory analysis tomorrow, January 22, 2020 at 1:00 p.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) tjlong@eprod.com

<image001.jpg>

From: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Sent: Tuesday, January 21, 2020 7:26 AM
To: Long, Thomas <<u>tilong@eprod.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945

Tom,

OCD approves the 400 sqft Sampling event, please include this approval for your final report.

As for the sampling time, as mentioned on the phone I probably cannot make a 12pm sampling event, and have a tentative meeting at 2PM. Please let me know the sampling time asap due to weather etc.

Thanks,

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Long, Thomas <tjlong@eprod.com>
Sent: Tuesday, January 21, 2020 7:18 AM
To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945

Cory,

Please the attached site sketch and lab report from the Blanco Storage excavation. S-54 (slope) is a side wall where there is a concrete foundation and pumps. We are continuing in the area of S-53 and to the west and south. We still maybe sampling at noon today. I will keep you informed.

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

<image001.jpg>

From: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Sent: Tuesday, January 21, 2020 7:11 AM
To: Long, Thomas <<u>tilong@eprod.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945

Tom,

What areas are being sampled from the previous sampling event?

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Long, Thomas <tjlong@eprod.com>
Sent: Monday, January 20, 2020 12:27 PM
To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945

Cory,

This email is to notify you that Enterprise will collecting soil samples for laboratory analysis tomorrow, January 21, 2020 at 12:00 p.m. Also, previously on this project you approved a sample interval variance of 400 square feet per composite sample. Enterprise requests to continue utilizing the 400 square foot sample interval for the duration of the project. Please acknowledge acceptance of this request. If you have any questions, please call or email.

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

<image001.jpg>

From: Long, Thomas
Sent: Monday, January 13, 2020 2:54 PM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

•

Cory,

This email is to inform you that Enterprise will be continuing the remediation efforts a Blanco Storage tomorrow. We will remediating to the south and west of S-39. I have attached the latest site sketch for reference. 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

<image001.jpg>

From: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Sent: Friday, July 19, 2019 2:37 PM
To: Stone, Brian <<u>bmstone@eprod.com</u>>; Long, Thomas <<u>tjlong@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945

Brian,

OCD approves the alternative sampling time please include this approval in your final report.

Thanks,

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Stone, Brian <<u>bmstone@eprod.com</u>>
Sent: Friday, July 19, 2019 9:45 AM
To: Long, Thomas <<u>tjlong@eprod.com</u>>; Smith, Cory, EMNRD
<<u>Cory.Smith@state.nm.us</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945

Cory,

We plan to sample the northwest berm again at 8am on Monday July 22.

From: Stone, Brian

Sent: Thursday, July 18, 2019 3:53 PM
To: Long, Thomas <<u>tjlong@eprod.com</u>>; 'Smith, Cory, EMNRD
(Cory.Smith@state.nm.us)' <<u>Cory.Smith@state.nm.us</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945

Cory,

My apologies for not providing timely notification on sampling. Per our discussion, we sampled at 4 locations on the northwest berm today. We will continue to backfill and then take more samples higher up.

Brian Stone 970-210-2170

From: Long, Thomas <tjlong@eprod.com>
Sent: Monday, July 1, 2019 7:59 AM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>
Cc: Stone, Brian
bmstone@eprod.com>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945

Cory,

Please find the attached site sketch and lab report for the Blanco Storage excavation. All sample results are now below the Tier I standers for this area. Enterprise will backfill the excavation with clean imported fill material which includes the reconstruction of the western berm. Enterprise will also install soil borings in the northwest berm, once backfill levels have been obtained to allow access. Enterprise will continue remediation activities to the west after the reconstruction of the western berm is completed. If you have any questions, please all or email.

Sincerely,

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

<image001.jpg>

From: Long, Thomas
Sent: Wednesday, June 26, 2019 2:02 PM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945

Cory,

This is a follow up to our phone conversation. We will be sampling tomorrow at 10:00 am. If you have any questions, please call or email.

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com

From: Long, Thomas
Sent: Tuesday, June 25, 2019 4:52 PM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945

Cory,

Please find the attached site sketch and lab report for Blanco Storage. All samples results are below the Tier I standard except for S-49 with 165 ppm TPH. We will be excavating more in this area tomorrow and will be re-sampling at 2:00 p.m. If you have any questions, please call or email.

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) <u>tjlong@eprod.com</u>

From: Long, Thomas
Sent: Friday, June 21, 2019 3:47 PM
To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945

Cory/Whitney,

This email is to notify you that Enterprise will be collecting soil samples for laboratory analysis Monday, June 24, 2019 at 12:30 a.m. at Blanco Storage. If you have any questions, please call or email.

Sincerely,

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) <u>tjlong@eprod.com</u>

From: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Sent: Tuesday, June 18, 2019 3:48 PM
To: Long, Thomas <<u>tjlong@eprod.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945

Tom,

Thank you for the update, as mentioned on the phone a separate C-141 is not needed for the incident. Please just make note of the incident on the current spill remediation and why additional samples were taken.

Thanks,

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Long, Thomas <tilong@eprod.com>
Sent: Tuesday, June 18, 2019 2:45 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Stone, Brian
bmstone@eprod.com>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945

Cory,

This is a follow up to our phone conversation earlier today. One of the temporary hoses for loading condensate came unclamped and released approximately 20 barrels of condensate into the western excavation that we just remediated. We recovered a lot of the released fluids and stopped the release quickly. There was approximately three feet of backfill material that had been compacted in the bottom of the excavation as well. I will keep you informed as to when we have the impacted material excavated and we are ready to collect soil samples for laboratory analysis. If you have any questions, please call or email.

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

<image001.jpg>

From: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Sent: Monday, June 17, 2019 7:28 AM
To: Long, Thomas <<u>tilong@eprod.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945

Tom,

The OCD will approve the Deferment request for the contaminates underneath the equipment. Please keep in mind that to approve the deferment the contaminates must be fully delineated.

Thanks,

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us From: Long, Thomas <tilong@eprod.com>
Sent: Wednesday, June 12, 2019 4:08 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Stone, Brian
bmstone@eprod.com>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945

Cory,

Please find the attached site sketch and lab report for the Blanco Storage excavation. All samples results are below the Tier I remediation standard except for S-38 with a result of 191 ppm TPH. I have also attached photos of this side wall to demonstrate the location and potential safety hazards. Enterprise requests a deferment of remediation activities in this direction until facility closure, as that additional excavating will jeopardize the structural integrity of the condensate tanks and their concrete foundations. Upon approval of the deferment request, Enterprise will backfill the main excavation with clean import fill material. We still have additional remediation on the west side of the excavation (West of S-41 and north of S-45). Enterprise will coordinate with you when remediation is completed in this area and when final closure samples will be collected for laboratory analysis. If you have any questions, please call or email.

Sincerely,

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

<image001.jpg>

From: Long, Thomas
Sent: Monday, June 10, 2019 7:37 AM
To: 'Smith, Cory, EMNRD' <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Powell, Brandon, EMNRD
<<u>Brandon.Powell@state.nm.us</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945

Cory,

This email is a follow up to our phone conversation and to notify you Enterprise will collecting soil samples for laboratory analysis tomorrow, June 11, 2019 at 8:30 a.m. If

you have any questions, please all or email.

Sincerely,

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

<image001.jpg>

From: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Sent: Friday, May 10, 2019 7:43 AM
To: Long, Thomas <<u>tjlong@eprod.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Powell, Brandon, EMNRD
<<u>Brandon.Powell@state.nm.us</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945

Tom,

OCD approves Enterprises Deferment request for Samples S-24/25. Please Include Enterprises determination and OCD approval in your final C-141.

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Long, Thomas <tjlong@eprod.com>
Sent: Thursday, May 9, 2019 3:15 PM
To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Powell, Brandon, EMNRD
<<u>Brandon.Powell@state.nm.us</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945

Cory,

Please find the attached site sketch, lab report, pictures and summary table for the Blanco Storage S Tanks excavation. We have completed the delineation of the impacted soil underneath and towards the loading dock and drip tank (SE corner of the containment) by installing soil borings horizontally utilizing a hand auger. Aliquots were collected from the soil borings to create composite soil samples S-32 and S-33 at 2-3 foot depths into the side wall. I have calculated approximately 18 cubic yards of impacted soil in place. I used a 20 feet (side wall length) X 8 feet (side wall height) X 3 feet (section thickness). So, 20x8x3/27 = ~18 cubic yards. Any further excavating in this area will jeopardize the existing structures (loading dock and drip tank). Enterprise requests a deferment for the remediation activities until facility closure for the impacted soil in the areas associated with soil composite samples S-24 and S-25. Please acknowledge agreement to this deferment request. If you have any questions, please call or email.

Sincerely,

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

<image001.jpg>

From: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Sent: Monday, May 6, 2019 3:52 PM
To: Long, Thomas <<u>tilong@eprod.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Powell, Brandon, EMNRD
<<u>Brandon.Powell@state.nm.us</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945

Tom,

Has there been any delineation on the other side of the concrete loading dock that Characterizes the size of the remaining impacts?

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 <u>cory.smith@state.nm.us</u>

From: Long, Thomas <<u>tilong@eprod.com</u>>
Sent: Monday, May 6, 2019 3:41 PM
To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945

Cory,

Please find the attached site sketch and lab report for the Blanco Storage S Tanks excavation. All samples results are below the site specific remediation standard except for S-24 (312 ppm TPH) and S-25 (102 PPM TPH). Enterprise requests a variance for these two sample locations, as that additional remediation by excavating is not practicable, as that it is under mining the concrete loading dock area causing structural instability. The areas where soils samples S-27 through S-31 were collected will be backfilled with clean imported fill material. Please acknowledge if you accept this variance request. If you have any questions, please call or email.

Sincerely,

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

<image001.jpg>

From: Long, Thomas
Sent: Thursday, May 2, 2019 9:03 AM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>
Cc: Stone, Brian
bmstone@eprod.com>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory,

This email is to notify you that Enterprise will collect soil samples for laboratory analysis, tomorrow May 3, 2019 at 10:00 a.m. at the Blanco Storage S Tanks

excavation. If you have any questions, please call or email.

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com

From: Long, Thomas
Sent: Monday, April 29, 2019 7:53 AM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>
Cc: Stone, Brian
bmstone@eprod.com>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory,

We will not be ready to sample this morning. I will keep you informed as to the when we will be ready to sample again. If you have any questions, please all or email.

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com

From: Long, Thomas
Sent: Friday, April 26, 2019 10:59 AM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>
Cc: Stone, Brian
bmstone@eprod.com>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory,

This email is to notify that Enterprise anticipates collecting soil samples for laboratory analysis at for Blanco Storage S Tanks excavation on Monday, April 29, 2019 at 11:00 a.m. If you have any questions, please call or email.

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) <u>tjlong@eprod.com</u>

From: Long, Thomas
Sent: Thursday, April 25, 2019 7:15 AM
To: 'Smith, Cory, EMNRD' <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Powell, Brandon, EMNRD
<<u>Brandon.Powell@state.nm.us</u>>

Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory,

Please find the attached site sketch and lab report for Blanco Storage S Tanks excavation. We have completed remediation on the east wall and southeast corner of the containment. We will continue remediation on the south and west walls. I will keep you informed as to when we will collect soil samples for laboratory analysis. 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

<image001.jpg>

From: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Sent: Tuesday, April 23, 2019 7:45 AM
To: Long, Thomas <<u>tilong@eprod.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Powell, Brandon, EMNRD
<<u>Brandon.Powell@state.nm.us</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945

Tom,

Got it, hopefully I can get an inspector to it today.

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Long, Thomas <<u>tjlong@eprod.com</u>> Sent: Tuesday, April 23, 2019 7:44 AM To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Powell, Brandon, EMNRD<<<u>Brandon.Powell@state.nm.us</u>>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory,

Did you get this notification that I sent yesterday as well?

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) <u>tjlong@eprod.com</u>

From: Long, Thomas
Sent: Monday, April 22, 2019 1:18 PM
To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Brandon Powell
(brandon.powell@state.nm.us) <<u>brandon.powell@state.nm.us</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory,

This email is to notify you that Enterprise will be collecting soil samples for laboratory analysis from the east wall and southeast wall at the Blanco Storage S Tanks excavation tomorrow, April 23, 2019 at 12:00 p.m. If you have any questions, please call or email.

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com

From: Powell, Brandon, EMNRD <<u>Brandon.Powell@state.nm.us</u>>
Sent: Wednesday, April 17, 2019 2:18 PM
To: Long, Thomas <<u>tilong@eprod.com</u>>; Smith, Cory, EMNRD
<<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945

Tom,

What would be your proposed timeline be for the additional delineation? Also would

there be any constraints to performing in situ remediation? Finally what is the site ranking and why?

Thank You

Brandon Powell Office: (505) 334-6178 ext. 116 "He who wishes to gain knowledge is wiser than he who thinks he has knowledge (unknown)"

From: Long, Thomas <tjlong@eprod.com>
Sent: Wednesday, April 17, 2019 1:10 PM
To: Powell, Brandon, EMNRD <<u>Brandon.Powell@state.nm.us</u>>; Smith, Cory, EMNRD
<<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945

Brandon,

Not completely. Vertical delineation is complete. It terminates at the sandstone approximately eight feet below the base of the secondary containment floor. Lateral delineation to the east is almost complete. Lateral delineation to the west stops at the western berm, as that additional delineation to the west does not exist because of the vertical drop. Northern delineation is not practicable utilizing a track hoe because of the existing concrete foundation and tank farm. Southern delineation is almost complete, but is also not practicable utilizing at track hoe because of the existing utilities and structures. Continuing delineation during remediation has become hazardous and very difficult. Enterprise requests to backfill the current excavation and continue delineation activities by installing soil borings utilizing a hand auger or drilling rig if necessary. Upon completion of delineation activities, development of at remediation plan and subsequent abatement plan. Please acknowledge if you are in agreement. If an onsite meeting is necessary to understand the hazards and difficulties of the project, I am available tomorrow anytime.

Sincerely,

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

<image001.jpg>

From: Powell, Brandon, EMNRD <<u>Brandon.Powell@state.nm.us</u>>
Sent: Wednesday, April 17, 2019 11:56 AM
To: Long, Thomas <<u>tilong@eprod.com</u>>; Smith, Cory, EMNRD
<<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945

Good morning Tom,

Has the contamination under the lines and under the tanks been fully delineated?

Thank You

Brandon Powell Office: (505) 334-6178 ext. 116 "He who wishes to gain knowledge is wiser than he who thinks he has knowledge (unknown)"

From: Long, Thomas <tilong@eprod.com>
Sent: Wednesday, April 17, 2019 7:34 AM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Powell, Brandon, EMNRD
<Brandon.Powell@state.nm.us>
Cc: Stone, Brian
bmstone@eprod.com>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945
Importance: High

Cory/Brandon,

Please find the attached updated site map, analytical summary, lab reports and photos for the Blanco Storage S Tank excavation. I will have to send another email as that all the attachments will not transmit to NMOCD. We have managed to remediate most of the impacted soil. The entire base at sandstone has been remediated. A majority of the east and southeast wall where accessible have been remediated. We cannot continue north as that we will jeopardize the structural stability of the tanks to the north. We cannot move much farther south because of the underground utilities and the existing tank. Excavating the west berm poses a safety risk as that there is a 12-15 foot drop on the west side of the berm. We are in a bind with safety concerns and operational problems mounting with condensate backing up throughout the basin. We need to complete the construction of the new tank farm at this Blanco Storage facility in order to bring condensate in from the field tanks and compressor stations. If this tank farm is not completed and back in service in the near future, we risk losing storage

volume in the field and at the compressor stations, which in turn will affect gas gathering operations, as that we cannot pig our pipelines to remove the fluids. Please see the attached pictures and map for details of the underground structures, utilities, safety hazards including height of the western berm and locations where there is a possibility of jeopardizing the structural integrity of the existing equipment. Enterprise requests deferment of further remediation until closure of the facility. Please acknowledge if you agree to this request. Please give me a call to discuss further in detail. I will send a second email with additional photographs.

Sincerely,

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

<image001.jpg>

From: Long, Thomas
Sent: Friday, April 12, 2019 8:17 AM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>;
Brandon Powell (brandon.powell@state.nm.us) <brandon.powell@state.nm.us>
Cc: Stone, Brian
bmstone@eprod.com>
Subject: FW: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W,
36.731516, -107.965945

Cory/Brandon,

This email is to notify you that Enterprise will be collecting soil samples for laboratory analysis at the Blanco Storage S Tanks excavation on Monday, April 15, 2019 at 11:00 a.m. If you have any questions, please call or email.

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) <u>tjlong@eprod.com</u>

From: Fields, Vanessa, EMNRD <<u>Vanessa.Fields@state.nm.us</u>>
Sent: Thursday, March 28, 2019 7:56 AM

To: Long, Thomas <tjlong@eprod.com>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Smith, Cory, EMNRD<<<<u>Cory.Smith@state.nm.us</u>>
Subject: RE: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Good morning Tom,

Per our phone conversation the OCD grants approval for Enterprise to backfill the base of the excavation and continue remediation to the east, west and south.

Thank you,

Vanessa Fields Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 119 Cell: (505) 419-0463 vanessa.fields@state.nm.us

From: Long, Thomas <tjlong@eprod.com>
Sent: Wednesday, March 27, 2019 4:44 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Fields, Vanessa, EMNRD
<\Vanessa.Fields@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: [EXT] FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory/Vanessa,

Please find the attached site sketch, summary table and lab report for the Blanco Storage S Tanks excavation. I would like to meet one of you onsite tomorrow to discuss the results and the path forward if it is possible. We have good floor samples as that we ripped through about two feet of sandstone. We are getting close on a couple of wall samples, but you guys have to some see what we are up against. I have attached some pictures. We would like to backfill the base and then continue east, west and south. Please acknowledge receipt of this email and a possibility of meeting in the morning. Maybe at 10:00 a.m.? If you have any questions, please call or email.

Sincerely,

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

<image001.jpg>

From: Long, Thomas
Sent: Monday, March 25, 2019 4:53 PM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>;
Fields, Vanessa, EMNRD (Vanessa.Fields@state.nm.us) <Vanessa.Fields@state.nm.us>
Cc: Stone, Brian
bmstone@eprod.com>
Subject: FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory/Vanessa,

I know this is kind of short notice, but we would like to collect soil samples for laboratory analysis at the Blanco Storage S Tanks excavation tomorrow, Tuesday, March 26, 2019 at 12:00 p.m. Can one of you be available to witness sampling? Please let me know if you can or if we have to reschedule.

Thank you,

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com

From: Long, Thomas

Sent: Monday, March 25, 2019 9:45 AM
To: 'Smith, Cory, EMNRD (<u>Cory.Smith@state.nm.us</u>)' <<u>Cory.Smith@state.nm.us</u>>;
Fields, Vanessa, EMNRD (<u>Vanessa.Fields@state.nm.us</u>) <<u>Vanessa.Fields@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516, -107.965945

Cory/Vanessa,

This email is to notify you that sampling activities at the Blanco Storage S Tanks excavation will be postponed due to additional excavating is required. I will keep you informed as to when we will ready to collect soil sample for laboratory analysis. If you have any questions, please call or email.

Sincerely,

Tom Long 505-599-2286 (office) 505-215-4727 (Cell) <u>tjlong@eprod.com</u>

From: Long, Thomas
Sent: Friday, March 22, 2019 8:52 AM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>;
Fields, Vanessa, EMNRD (Vanessa.Fields@state.nm.us) <Vanessa.Fields@state.nm.us>
Cc: Stone, Brian
bmstone@eprod.com>
Subject: FW: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Cory/Vanessa,

This email is to notify your that Enterprise will be collecting soil samples for laboratory analysis at the Blanco Storage S Tanks excavation on Monday, March 25, 2019 at 12:00 p.m. This will be a partial sampling as that will have to remediate this release in sections due to equipment and structural stability hazards. Please let me know if you will be onsite to witness sampling. 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

<image001.jpg>

From: Long, Thomas
Sent: Friday, March 8, 2019 9:44 AM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>;
Fields, Vanessa, EMNRD (Vanessa.Fields@state.nm.us) <Vanessa.Fields@state.nm.us>
Cc: Stone, Brian
bmstone@eprod.com>
Subject: Blanco Storage S Tanks - UL D Section 14 T 29 N R 11W, 36.731516,
-107.965945

Vanessa/Cory,

This email is to notify you that Enterprise has encountered a historical release while removing tank old condensate tanks from the Blanco Storage S containment. The tanks were removed yesterday and we began earth work today and discovered the impacted soil. The release site is located UL D Section 14 T 29 N R 11W, 36.731516, -107.965945. I will keep you informed as the when we will be ready to collect final closure samples. If you have any questions, please call or email.

Sincerely,

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

<image001.jpg>

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.



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.



APPENDIX F

Table 1 – Soil Analytical Summary

Released to Imaging: 1/30/2024 3:00:11 PM

	TABLE 1												
					В	lanco Storage		19)					
						•							
Sample I.D.	Date	Sample Type C- Composite G - Grab	Sample Depth (feet)	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX ¹	TPH GRO	TPH DRO	TPH MRO	Total Combined TPH (GRO/DRO/MRO) ¹	Chloride
		0 - Grab		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
		Natural Resources I vision Closure Criteri		10	NE	NE	NE	50				100	600
Excavation Composite Soil Samples Removed by Excavation and Transported to the Landfarm for Disposal/Remediation													
S-2	3.08.19	С	0 to 5	2.4	12	6.5	58	79	810	100	<50	910	<60
<u>S-3</u>	3.08.19	С	0 to 5	1.9	1.7	3.9	28	36	640	49	<47	690	<60
S-4	3.08.19	С	0 to 3	<0.44	< 0.88	2.6	32	35	1,000	110	54	1,200	<60
S-6 S-7	3.26.19 3.26.19	C C	0 to 8 0 to 8	<0.020	0.63	1.3 0.85	9.5 6.3	11 7.2	220 160	92 160	75 120	390 440	<60
		-									-		<60
S-11 S-14	3.26.19 4.15.19	C C	0 to 8 0 to 8	0.36	3.6 <0.20	2.3 <0.20	28 <0.40	34 ND	440 <20	100 440	85 250	630 690	<60
										-			<60
S-17	4.15.19	С	0 to 8	<0.024	<0.048	0.18	1.0	1.2	32	56	73	<u>160</u>	<60
S-18	4.15.19	С	0 to 8	<0.020	<0.041	0.061	0.47	0.53	24	13	<49	37	<60
S-22	4.23.19	С	0 to 8	<0.022	<0.044	<0.044	<0.088	ND	8.2	<9.3	<47	8.2	<60
S-23	4.25.19	С	0 to 8	0.58	3.4	8.3	70	82	1,300	520	210	2,000	<61
S-41	6.11.19	С	8	<0.020	<0.041	<0.041	0.14	0.14	<4.1	14	<48	14	<60
S-49	6.24.19	С	8	<0.019	<0.038	<0.038	<0.076	ND	<3.8	95	70	170	<60
S-65	2.4.20	С	9	<0.021	<0.042	0.055	0.12	0.18	8.7	140	150	300	<60
S-66	2.6.20	С	10	<0.019	<0.037	<0.037	<0.075	ND	<3.7	69	96	170	<60
S-1	3.08.19	С	5	0.035	0.064	Excavation Comp 0.051	osite Soil Samples 0.17	0.32	8.0	<9.8	<49	8.0	<60
S-1 S-5	3.08.19	C C	0 to 3	2.3	32	9.1	110	0.32 150	1,900	<9.8 64	<49	2.000	<60
S-8	3.26.19	C	0 to 8	<0.099	<0.20	<0.20	1.4	1.4	390	990	570	2,000	<60
S-9	3.26.19	C	0 to 8	<0.000	<0.22	0.65	2.2	2.9	130	24	<50	150	<60
S-10	3.26.19	C	0 to 8	<0.023	0.18	0.03	2.6	2.9	46	<10	<50	46	<60
S-10	3.26.19	C	8	<0.020	<0.041	< 0.041	<0.081	ND	<4.1	<9.4	<47	ND	<60
S-12 S-13	3.26.19	C	8	<0.020	<0.041	<0.041	< 0.081	ND	<4.1	<9.4	<50	ND	<60
S-15	4.15.19	C	0 to 8	<0.021	<0.041	<0.041	<0.083	ND	<4.1	<9.0	<50 <45	ND	<60
S-15	4.15.19	C	0 to 8	<0.021	<0.041	<0.041	<0.083	ND	<4.1	<9.0	<43	ND	<60
S-10	4.15.19	C	8	0.020	0.078	<0.049	<0.097	0.11	<4.9	<9.3	<46	ND	<60
S-20	4.13.19	C	0 to 8	<0.028	<0.048	<0.049	< 0.097	ND	<4.9	<9.5	<40	ND	<60
S-20	4.23.19	C	0 to 8	<0.024	<0.040	<0.038	<0.097	ND	<3.8	<9.7	<48	ND	<60
S-21	5.03.19	C	0 to 8	<0.019	<0.038	<0.038	1.6	1.6	22	150	140	310	<60
S-24 S-25	5.03.19	C C	0 to 8	<0.11	<0.21	0.25	0.61	0.86	<24	48	55	100	<60
S-25	5.03.19	C	0 to 8	<0.12	<0.24	<0.23	<0.44	0.80 ND	<24	40 <9.8	<49	ND	<60
S-20	5.03.19	C	0 to 8	<0.020	<0.22	<0.041	<0.44	ND	<4.1	<9.0 <9.5	<49 <47	ND	<59
S-27 S-28	5.03.19	C	0 to 8	<0.020	<0.041	<0.041	<0.082	ND	4.1	<9.5 10	<47 <48	15	<59
S-28 S-29	5.03.19	C C	8	<0.022	<0.044	<0.044	< 0.088	ND	4.8	<9.7	<48 <49	15 ND	<60
S-29 S-30	5.03.19	C	Ĵ	<0.023	<0.047	<0.047		ND ND		<9.7 <9.8	<49 <49	ND	
S-30 S-31	5.03.19	C C	8	<0.026	<0.051	<0.051	<0.10 <0.072	ND ND	<5.1 <3.6	<9.8 <9.6	<49 <48	ND	<60
5-31	5.03.19	U U	õ	SU.U10	SO.030	SU.U30	SU.U72	UND	<٥.0	~ 9.0	<u>\$40</u>	UN	<60

	TABLE 1 Blanco Storage S Tanks (2019) SOIL ANALYTICAL SUMMARY												
Sample I.D.	Date	Sample Type	Sample Depth	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX ¹	TPH	TPH	TPH	Total Combined	Chloride
		C- Composite G - Grab	(feet)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	TPH (GRO/DRO/MRO) ¹ (mg/kg)	(mg/kg)
		Natural Resources I vision Closure Criteri		10	NE	NE	NE	50				100	600
***S-32	5.07.19	С	0 to 8	<0.024	<0.047	0.095	<0.095	0.095	9.0	15	<47	24	<60
***S-33	5.07.19	С	0 to 8	<0.022	<0.043	<0.043	<0.087	ND	<4.3	<9.9	<49	ND	<61
S-34	6.11.19	С	0 to 12	<0.018	<0.036	<0.036	<0.073	ND	<3.6	<9.7	<48	ND	<60
S-35	6.11.19	С	0 to 12	<0.023	<0.046	<0.046	<0.092	ND	<4.6	<9.5	<47	ND	<60
S-36	6.11.19	С	10	<0.021	<0.043	<0.043	<0.086	ND	<4.3	<9.7	<48	ND	<60
S-37	6.11.19	С	12	<0.022	<0.045	<0.045	<0.090	ND	<4.5	<9.2	<46	ND	<60
S-38	6.11.19	С	0 to 12	<0.10	<0.21	<0.21	<0.41	ND	21	96	74	190	<60
S-39	6.11.19	С	0 to 6	<0.12	<0.23	<0.23	<0.46	ND	<23	42	<49	42	<60
S-40	6.11.19	С	12	<0.020	<0.040	<0.040	<0.080	ND	<4.0	<9.9	<50	ND	<59
S-42	6.11.19	С	10	<0.022	<0.045	<0.045	<0.089	ND	<4.5	10	<47	10	<60
S-43	6.11.19	С	12	<0.025	<0.050	<0.050	<0.10	ND	<4.7	<9.8	<49	ND	<60
S-44	6.11.19	С	0 to 12	<0.021	<0.042	<0.042	<0.083	ND	<4.2	<9.8	<49	ND	<60
S-45	6.11.19	С	0 to 10	<0.10	<0.21	<0.21	0.57	0.57	22	19	<49	41	<60
S-46	6.24.19	С	12	<0.019	<0.038	<0.038	<0.077	ND	<3.8	<10	<50	ND	<60
S-47	6.24.19	С	10 to 12	<0.020	<0.039	<0.039	<0.079	ND	<3.9	<9.8	<49	ND	<61
S-48	6.24.19	С	12	<0.020	<0.039	< 0.039	<0.079	ND	<3.9	<9.7	<48	ND	<60
S-50	6.24.19	С	12	<0.022	<0.044	<0.044	<0.089	ND	<4.4	64	<49	64	<60
S-51	6.24.19	С	10	<0.022	<0.044	<0.044	<0.087	ND	<4.4	11	<49	11	<60
S-52	6.27.19	С	9	<0.019	<0.039	<0.039	<0.078	ND	<3.9	<9.7	<49	ND	<60
S-53	1.17.20	С	15	<0.11	<0.22	<0.22	<0.45	ND	<22	<9.8	<49	ND	<60
S-54	1.17.20	С	0 to 15	1.1	20	11	110	140	1,500	360	150	2,000	<60
S-55	1.21.20	С	15	<0.089	<0.18	<0.18	<0.36	ND	<18	<9.3	<46	ND	<60
S-56	1.21.20	С	0 to 15	<0.095	<0.19	<0.19	<0.38	ND	<19	<9.5	<47	ND	<60
S-57	1.21.20	С	0 to 15	15	75	26	270	390	5,900	1,400	880	8,200	<60
S-58	1.22.20	С	0 to 15	<0.022	<0.044	<0.044	<0.088	ND	<4.4	<9.3	<47	ND	<60
S-59	1.28.20	С	12	<0.11	<0.22	<0.22	<0.43	ND	<22	16	<45	16	<60
S-60	1.28.20	С	0 to 12	<0.11	<0.22	<0.22	<0.44	ND	<22	<8.8	<44	ND	<60
S-61	1.29.20	С	0 to 12	0.25	6.2	3.7	36	46	550	240	150	940	<60
S-62	2.04.20	С	0 to 8	<0.024	<0.047	<0.047	<0.094	ND	<4.7	<9.4	<47	ND	<60
S-63	2.04.20	С	0 to 9	<0.021	<0.041	<0.041	<0.082	ND	<4.1	21	<45	21	<60
S-64	2.04.20	С	9	<0.079	<0.16	<0.16	<0.31	ND	<16	36	<48	36	<60
S-67	2.10.20	С	10.5	<0.022	<0.044	<0.044	<0.088	ND	<4.4	<9.6	<48	ND	69

	TABLE 1 Blanco Storage S Tanks (2019) SOIL ANALYTICAL SUMMARY												
Sample I.D.	Date	Sample Type C- Composite G - Grab	Sample Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX ¹ (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total Combined TPH (GRO/DRO/MRO) ¹ (mg/kg)	Chloride (mg/kg)
		Natural Resources I vision Closure Criteri		10	NE	NE	NE	50			•	100	600
Delineation Soil Samples													
HB-1 @1'-H	7.18.19	G	6.5	<0.021	<0.041	<0.041	<0.082	ND	<4.1	<9.4	<47	ND	<60
HB-2 @4'-H	7.18.19	G	6.5	<0.024	<0.048	<0.048	<0.097	ND	<4.8	<9.9	<50	ND	<60
HB-3 @4'-H	7.18.19	G	6.5	<0.024	<0.049	<0.049	<0.098	ND	<4.9	<9.1	<46	ND	<60
HB-4 @4'-H	7.18.19	G	6.5	<0.023	<0.047	<0.047	<0.093	ND	<4.7	<9.2	<46	ND	<60
**HB-5	7.23.19	G	1 H	<0.025	<0.050	<0.050	<0.10	ND	<5.0	<8.9	<45	ND	<60
**HB-6	7.23.19	G	1 H	<0.025	<0.050	<0.050	<0.10	ND	<5.0	<8.6	<43	ND	<60
**HB-7	7.23.19	G	1 H	<0.025	<0.050	<0.050	<0.099	ND	<5.0	<9.7	<48	ND	<60
**HB-8	7.23.19	G	1 H	<0.025	<0.049	<0.049	<0.098	ND	<4.9	<9.5	<47	ND	<60
**HB-9	7.23.19	G	1 H	<0.024	<0.049	<0.049	<0.098	ND	<4.9	<9.8	<49	ND	<60
HB-10 @1'-5'	9.06.19	С	1 to 5	<0.025	<0.049	<0.049	<0.099	ND	<4.9	<11	<53	ND	<60
HB-11 @1'-5'	9.06.19	С	1 to 5	<0.024	<0.049	<0.049	<0.098	ND	<4.9	<9.7	<49	ND	<60
HB-12 @0-11'	2.12.20	С	0 to 11	<0.025	<0.050	<0.050	<0.099	ND	<5.0	<9.7	<49	ND	75
HB-12 @14'	2.12.20	G	14	<0.024	<0.048	<0.048	<0.097	ND	<4.8	<8.8	<44	ND	<60
HB-13 @0-11'	2.12.20	С	0 to 11	<0.025	<0.050	<0.050	<0.099	ND	<5.0	<9.8	<49	ND	<60
HB-13 @11'	2.12.20	G	11	<0.025	<0.050	<0.050	<0.099	ND	<5.0	<9.6	<48	ND	<60
HB-14 @0-9'	2.12.20	С	0 to 9	<0.025	<0.050	<0.050	<0.099	ND	<5.0	<9.6	<48	ND	<60
HB-14 @9'	2.12.20	G	9	<0.025	<0.050	<0.050	<0.10	ND	<5.0	<9.8	<49	ND	<60
HB-15 @0-11'	2.12.20	С	0 to 11	<0.12	<0.25	1.1	7.8	8.9	320	130	60	510	<60
HB-15 @11'	2.12.20	G		0.26	0.60	0.54	4.1	5.5	110	230	100	440	<60

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

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

ND = Not Detected above the Practical Quantitation Limits or Reporting Limits

NA = Not Analyzed

NE = Not Established

mg/kg = milligram per kilogram

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes

TPH = Total Petroleum Hydrocarbon

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

MRO = Motor Oil/Lube Oil Range Organics

**=Laboratory exceeded holding time. The area was resampled by soil borings HB-10@1'-5" & HB-11@1'-5'

***= Sample consisted of aliquots that were collected at horizontal depths of one (1) to two (2) feet into a eight (8) foot vertical wall utilizing a hand auger.

H = Horizontal Grab Samples



APPENDIX G

Laboratory Data Sheets & Chain of Custody Documentation



March 12, 2019

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: <u>www.hallenvironmental.com</u>

RE: Blanco Storage

OrderNo.: 1903457

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 5 sample(s) on 3/9/2019 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 <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1903457

Date Reported: 3/12/2019

CLIENT: ENSOLUM		Cl	ient Sa	ample II	D: S-	1 5'		
Project: Blanco Storage		(Collect	tion Dat	e: 3/8	3/2019 2:00:00 PM		
Lab ID: 1903457-001	Matrix: SOIL		Received Date: 3/9/2019 10:50:00 AM					
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS						Analyst:	smb	
Chloride	ND	60		mg/Kg	20	3/11/2019 12:58:26 PM	43603	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst:	Irm	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	3/11/2019 11:10:40 AM	43602	
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/11/2019 11:10:40 AM	43602	
Surr: DNOP	96.8	70-130		%Rec	1	3/11/2019 11:10:40 AM	43602	
EPA METHOD 8015D: GASOLINE RANGE	E					Analyst:	RAA	
Gasoline Range Organics (GRO)	8.0	4.7		mg/Kg	1	3/11/2019 12:52:03 PM	43599	
Surr: BFB	131	73.8-119	S	%Rec	1	3/11/2019 12:52:03 PM	43599	
EPA METHOD 8021B: VOLATILES						Analyst:	RAA	
Benzene	0.035	0.024		mg/Kg	1	3/11/2019 12:52:03 PM	B58248	
Toluene	0.064	0.047		mg/Kg	1	3/11/2019 12:52:03 PM	B58248	
Ethylbenzene	0.051	0.047		mg/Kg	1	3/11/2019 12:52:03 PM	B58248	
Xylenes, Total	0.17	0.095		mg/Kg	1	3/11/2019 12:52:03 PM	B58248	
Surr: 4-Bromofluorobenzene	99.3	80-120		%Rec	1	3/11/2019 12:52:03 PM	B58248	

Qualifiers:	
-------------	--

- * Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 1 of 9 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1903457

Date Reported: 3/12/2019

CLIENT: ENSOLUM	Client Sample ID: S-2 0-5'								
Project: Blanco Storage	Collection Date: 3/8/2019 2:05:00 PM Matrix: SOIL Received Date: 3/9/2019 10:50:00 AM								
Lab ID: 1903457-002	Matrix: SOIL		Recei	ved Dat	e: 3/9	0/2019 10:50:00 AM			
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS						Analyst	: smb		
Chloride	ND	60		mg/Kg	20	3/11/2019 1:10:51 PM	43603		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	: Irm		
Diesel Range Organics (DRO)	100	10		mg/Kg	1	3/11/2019 11:59:12 AM	43602		
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/11/2019 11:59:12 AM	43602		
Surr: DNOP	98.3	70-130		%Rec	1	3/11/2019 11:59:12 AM	43602		
EPA METHOD 8015D: GASOLINE RANGE	E					Analyst	RAA		
Gasoline Range Organics (GRO)	810	230		mg/Kg	50	3/11/2019 1:15:30 PM	43599		
Surr: BFB	132	73.8-119	S	%Rec	50	3/11/2019 1:15:30 PM	43599		
EPA METHOD 8021B: VOLATILES						Analyst	RAA		
Benzene	2.4	1.1		mg/Kg	50	3/11/2019 1:15:30 PM	B58248		
Toluene	12	2.3		mg/Kg	50	3/11/2019 1:15:30 PM	B58248		
Ethylbenzene	6.5	2.3		mg/Kg	50	3/11/2019 1:15:30 PM	B58248		
Xylenes, Total	58	4.6		mg/Kg	50	3/11/2019 1:15:30 PM	B58248		
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	50	3/11/2019 1:15:30 PM	B58248		

- * Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 2 of 9 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1903457 Date Reported: 3/12/2019

CLIENT: ENSOLUM		Client Sample ID: S-3 0-5'								
Project: Blanco Storage		Col	lection Dat	e: 3/8	/2019 2:10:00 PM					
Lab ID: 1903457-003	Matrix: SOIL	Matrix: SOIL Received Date: 3/9/2019 10:50:00 AM								
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analyst	: smb				
Chloride	ND	60	mg/Kg	20	3/11/2019 1:23:16 PM	43603				
Onionae										
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	: Irm				
	NGE ORGANICS 49	9.4	mg/Kg	1	Analyst 3/11/2019 12:47:26 PM					
EPA METHOD 8015M/D: DIESEL RA		9.4 47	mg/Kg mg/Kg	1 1	,	4360				

Surr: DNOP	99.7	70-130		%Rec	1	3/11/2019 12:47:26 PM	43602
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	RAA
Gasoline Range Organics (GRO)	640	87		mg/Kg	20	3/11/2019 1:38:50 PM	43599
Surr: BFB	176	73.8-119	S	%Rec	20	3/11/2019 1:38:50 PM	43599
EPA METHOD 8021B: VOLATILES						Analyst:	RAA
Benzene	1.9	0.43		mg/Kg	20	3/11/2019 1:38:50 PM	B58248
Toluene	1.7	0.87		mg/Kg	20	3/11/2019 1:38:50 PM	B58248
Ethylbenzene	3.9	0.87		mg/Kg	20	3/11/2019 1:38:50 PM	B58248
Xylenes, Total	28	1.7		mg/Kg	20	3/11/2019 1:38:50 PM	B58248
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	20	3/11/2019 1:38:50 PM	B58248

- * Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 3 of 9 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Surr: 4-Bromofluorobenzene

Analytical Report

20 3/11/2019 2:02:05 PM B58248

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1903457 Data Da 1 1 2/12/201

Date Reported:	3/12/2019

CLIENT: ENSOLUM		Cl	ient Sa	ample II	D: S-4	4 0-3'	
Project: Blanco Storage		(Collect	ion Dat	e: 3/8	3/2019 1:30:00 PM	
Lab ID: 1903457-004	Matrix: SOIL		Recei	ved Dat	e: 3/9	9/2019 10:50:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: smb
Chloride	ND	60		mg/Kg	20	3/11/2019 1:35:41 PM	43603
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	: Irm
Diesel Range Organics (DRO)	110	9.7		mg/Kg	1	3/11/2019 1:11:54 PM	43602
Motor Oil Range Organics (MRO)	54	49		mg/Kg	1	3/11/2019 1:11:54 PM	43602
Surr: DNOP	99.4	70-130		%Rec	1	3/11/2019 1:11:54 PM	43602
EPA METHOD 8015D: GASOLINE RANGE	E					Analyst	RAA
Gasoline Range Organics (GRO)	1000	88		mg/Kg	20	3/11/2019 2:02:05 PM	43599
Surr: BFB	281	73.8-119	S	%Rec	20	3/11/2019 2:02:05 PM	43599
EPA METHOD 8021B: VOLATILES						Analyst	RAA
Benzene	ND	0.44		mg/Kg	20	3/11/2019 2:02:05 PM	B58248
Toluene	ND	0.88		mg/Kg	20	3/11/2019 2:02:05 PM	B58248
Ethylbenzene	2.6	0.88		mg/Kg	20	3/11/2019 2:02:05 PM	B58248
Xylenes, Total	32	1.8		mg/Kg	20	3/11/2019 2:02:05 PM	B58248

106

80-120

%Rec

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 4 of 9 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

B58248

B58248

B58248

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1903457 Date Reported: 3/12/2019

CLIENT: ENSOLUM		Client Sample ID: S-5 0-3'										
Project: Blanco Storage	Collection Date: 3/8/2019 11:30:00 AM											
Lab ID: 1903457-005	Matrix: SOIL Received Date: 3/9/2019 10:50:00 AM											
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch					
EPA METHOD 300.0: ANIONS						Analyst	: smb					
Chloride	ND	60		mg/Kg	20	3/11/2019 1:48:05 PM	43603					
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS					Analyst	: Irm					
Diesel Range Organics (DRO)	64	9.7		mg/Kg	1	3/11/2019 2:00:24 PM	43602					
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/11/2019 2:00:24 PM	43602					
Surr: DNOP	99.6	70-130		%Rec	1	3/11/2019 2:00:24 PM	43602					
EPA METHOD 8015D: GASOLINE RAN	IGE					Analyst	: RAA					
Gasoline Range Organics (GRO)	1900	170		mg/Kg	50	3/11/2019 2:25:28 PM	43599					
Surr: BFB	170	73.8-119	S	%Rec	50	3/11/2019 2:25:28 PM	43599					
EPA METHOD 8021B: VOLATILES						Analyst	: RAA					
Benzene	2.3	0.86		mg/Kg	50	3/11/2019 2:25:28 PM	B58248					

2.3 0.863/11/2019 2:25:28 PM mg/rg Toluene 32 1.7 mg/Kg 50 3/11/2019 2:25:28 PM Ethylbenzene 9.1 1.7 mg/Kg 50 3/11/2019 2:25:28 PM Xylenes, Total 110 3/11/2019 2:25:28 PM 3.4 mg/Kg 50 Surr: 4-Bromofluorobenzene 104 80-120 %Rec 50 3/11/2019 2:25:28 PM B58248

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 5 of 9 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Client:		DLUM									
Project:	Blanc	co Storage									
Sample ID: N	Sample ID: MB-43603 SampType: MBLK TestCode: EPA Method 300.0: Anions										
Client ID: P	PBS	Batch	ID: 43	603	F	RunNo: 58	3259				
Prep Date:	3/11/2019	Analysis D	ate: 3/	11/2019	S	SeqNo: 19	54599	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID: L	.CS-43603	SampT	ype: LC	s	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID: L	CSS	Batch	ID: 43	603	F	RunNo: 58	3259				
Prep Date:	3/11/2019	Analysis D	ate: 3/	11/2019	8	SeqNo: 19	54600	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	95.3	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
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

1903457

12-Mar-19

WO#:

Page 6 of 9

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Page	<i>133</i>	of 384
------	------------	--------

WO#:	1903457
	12-Mar-19

Client: EN	ISOLUM									
Project: Bla	anco Storage									
Sample ID: MB-43602	SampTy	/pe: ME	BLK	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch	ID: 43	602	F	RunNo: 5	8252				
Prep Date: 3/11/2019	Analysis Da	ate: 3/	11/2019	S	SeqNo: 1	953823	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO) ND	10								
Motor Oil Range Organics (M	RO) ND	50								
Surr: DNOP	9.6		10.00		95.7	70	130			
Sample ID: LCS-43602 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics										
Client ID: LCSS	Batch	ID: 43	602	F	RunNo: 5	8252				
Prep Date: 3/11/2019	Analysis Da	ate: 3/	11/2019	5	SeqNo: 1	953824	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO) 45	10	50.00	0	89.8	63.9	124			
Surr: DNOP	4.2		5.000		84.8	70	130			
Sample ID: 1903457-00	5AMS SampTy	/pe: MS	;	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: S-5 0-3'	Batch	ID: 43	602	F	RunNo: 5	8252				
Prep Date: 3/11/2019	Analysis Da	ate: 3/	11/2019	5	SeqNo: 1	954241	Units: mg/#	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO) 150	9.9	49.31	63.91	179	53.5	126			S
Surr: DNOP	5.1		4.931		104	70	130			
Sample ID: 1903457-00	5AMSD SampTy	/pe: MS	SD	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: S-5 0-3'	Batch	ID: 43	602	F	RunNo: 5	8252				
Prep Date: 3/11/2019	Analysis Da	ate: 3/	11/2019	S	SeqNo: 1	954242	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO) 94	9.7	48.50	63.91	61.3	53.5	126	47.6	21.7	R
Surr: DNOP	4.9		4.850		101	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
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Page 7 of 9

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	1903	3457
	10.14	10

Page 8 of 9

	ISOLUM								
	anco Storage								
Sample ID: LCS-43599	SampType: LCS		Test	Code: EP	A Method	8015D: Gasol	line Rang	e	
Client ID: LCSS	Batch ID: 43599)	R	unNo: 58	248				
Prep Date: 3/9/2019	Analysis Date: 3/11/	2019	SeqNo: 1953564			Units: mg/K	g		
Analyte	Result PQL S	PK value SI	PK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (G	RO) 25 5.0	25.00	0	102	80.1	123			
Surr: BFB	1000	1000		105	73.8	119			
Sample ID: MB-43599 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range									
Client ID: PBS	Batch ID: 43599)	R	unNo: 58	247				
Prep Date: 3/9/2019	Analysis Date: 3/11/	2019	S	eqNo: 19	53809	Units: mg/K	g		
Analyte	Result PQL S	PK value SI	PK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (G	RO) ND 5.0								
Surr: BFB	830	1000		83.5	73.8	119			
Sample ID: MB-43599	SampType: MBL	ĸ	Test	Code: EP	A Method	8015D: Gasol	line Rang	9	
Client ID: PBS	Batch ID: 43599)	R	unNo: 58	248				
Prep Date: 3/9/2019	Analysis Date: 3/11/	2019	S	eqNo: 19	53812	Units: mg/Kg			
Analyte	Result PQL S	PK value SI	PK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (G	RO) ND 5.0								
Surr: BFB	940	1000		93.9	73.8	119			
Sample ID: LCS-43599	SampType: LCS		Test	Code: EP	A Method	8015D: Gasol	line Rang	9	
Client ID: LCSS	Batch ID: 43599)	R	unNo: 58	247				
Prep Date: 3/9/2019	Analysis Date: 3/11/	2019	S	eqNo: 19	53994	Units: mg/K	g		
Analyte	Result PQL S	PK value SI	PK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (G		25.00	0	86.0	80.1	123			
Surr: BFB	1000	1000		104	73.8	119			

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
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Blanco Storage

Client:

Project:

Sample ID: 100NG BTEX LCS

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

SampType: LCS

Released to Imaging: 1/30/2024 3:00:11 PM

	•									
Client ID: LCSS	Batc	h ID: B5	8248	F	RunNo: 5	8248				
Prep Date:	Analysis [Date: 3/	11/2019	S	SeqNo: 1	953805	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	94.8	80	120			
Toluene	0.99	0.050	1.000	0	98.7	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.2	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			
Sample ID: 1903457-001A I	MS Samp	Гуре: М	6	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: S-1 5'	Batc	h ID: B5	8248	F	RunNo: 5	8248				
Prep Date:	Analysis [Date: 3/	11/2019	S	SeqNo: 1	954298	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.024	0.9470	0.03466	92.0	63.9	127			
Toluene	0.97	0.047	0.9470	0.06449	96.0	69.9	131			
Ethylbenzene	0.98	0.047	0.9470	0.05114	97.6	71	132			
Kylenes, Total	3.0	0.095	2.841	0.1740	99.1	71.8	131			
Surr: 4-Bromofluorobenzene	0.96		0.9470		101	80	120			
Sample ID: 1903457-001A	MSD Samp	Гуре: М	SD	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: S-1 5'	Batc	h ID: B5	8248	F	RunNo: 58248					
Prep Date:	Analysis [Date: 3/	11/2019	5	SeqNo: 1	954299	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.024	0.9470	0.03466	88.4	63.9	127	3.79	20	
oluene	0.95	0.047	0.9470	0.06449	93.5	69.9	131	2.50	20	
thylbenzene	0.94	0.047	0.9470	0.05114	94.1	71	132	3.47	20	
(ylenes, Total	2.9	0.095	2.841	0.1740	96.3	71.8	131	2.69	20	
Surr: 4-Bromofluorobenzene	0.92		0.9470		97.7	80	120	0	0	
Sample ID: RB	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batc	h ID: B5	8248	F	RunNo: 5					
Prep Date:	Analysis [Date: 3/	11/2019	5	SeqNo: 1	954756	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
oluene	ND	0.050								
Ethylbenzene	ND	0.050								
(ylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.99		1.000		98.6	80	120			
Qualifiers:										

TestCode: EPA Method 8021B: Volatiles

- WO#: 1903457

12-Mar-19

Page 9 of 9

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

Value above quantitation range

RL

В

Е

- Reporting Detection Limit W
 - Sample container temperature is out of limit as specified

Analyte detected in the associated Method Blank

- **Qualifiers:**
 - * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

.

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Albu TEL: 505-345-3975 Website: www.ha	4901 Hawkins i iquerque, NM 871 FAX: 505-345-41	NE 09 San 07	Sample Log-In Check List				
Client Name: ENSOLUM AZTEC	Work Order Number:	1903457		RcptNo: 1				
Received By: Anne Thorne	3/9/2019 10:50:00 AM		Anne An Anne An	~				
• •	8/11/2019 7:49:56 AM ડુ ((() ાલ્		Anne Hu	~				
Chain of Custody								
1. Is Chain of Custody complete?		Yes 🗹	No 🗌	Not Present				
2. How was the sample delivered?		<u>Courier</u>						
Log In 3. Was an attempt made to cool the samples?		Yes 🗹	No 🗌					
4. Were all samples received at a temperature of	>0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗌				
5. Sample(s) in proper container(s)?		Yes 🗹	No 🗔					
6. Sufficient sample volume for indicated test(s)?		Yes 🗹	No 🗌					
7. Are samples (except VOA and ONG) properly p	reserved?	Yes 🗹	No 🗌					
8. Was preservative added to bottles?		Yes 🗌	No 🗹	NA 🗌				
9. VOA vials have zero headspace?		Yes 🗌	No 🗌	No VOA Vials 🔽				
10. Were any sample containers received broken?		Yes	No · 🗹 🛛	# of preserved				
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🗌		12 unless noted)			
12. Are matrices correctly identified on Chain of Cu	•	Yes 🗹	No 🗌	Adjusted?				
13. Is it clear what analyses were requested?		Yes 🗹	No 🗌					
 Were all holding times able to be met? (If no, notify customer for authorization.) 		Yes 🗹	No	Checked by:				
Special Handling (if applicable)								
15, Was client notified of all discrepancies with this	order?	Yes	No 🗌	NA 🔽				
Person Notified: By Whom: Regarding: Client Instructions:	Date Via:] eMail 📋 Pho	one 🗌 Fax	In Person				
16. Additional remarks:								
17. <u>Cooler Information</u> Cooler No Temp °C Condition Seal 1 1.0 Good Yes	Intact Seal No S	eal Date	igned By					

Page 1 of 1

Reco				8/15	5/20.	23 1	0:45	5:18 AN	M												Chelhi	Pag
		ANALYSIS LABORATORY	www.hallenvironmental.com	E - Albuquerque, NM 87109	10	Anal		•+	Preser P A) AO2,	·00 103'	RA 8 Me F, Br, <i>N</i> 0 (VOA) 81 Colifor 81 Colifor	852 856 Cl'	X								reas AFE#N41243	• • •
				4901 Hawkins NE	Tel. 505-345-3975		(0)	PCB's O / MR	04.1) \$\8082 0 \ DK	ମ୍ଚ ସ Sebi	HT Pestic H Pestic Hetto Hetto Hetto Hetto	191 808 EDI	XX	X K	κ γ	XXX	0 X				Remarks: Pm Tom Ang Key To	
		3-11-19		29C		ピン		2	, . No.		et HFAI No	19034	102	702	-203	hoe-	102				$\frac{\text{Date Time}}{3/8/15}$ 1539	Date Tires
	Turn-Around Time:	□ Standard X Rush	Project Name:	Blanco Storage		chogeel 4-so	oject Manager:	K. Sumal	Sampler: / DAport On Ice X7 Yes	lers:	Cooler Tempronang cri; // KWARCF Container Preservative	Type and # Type	402 Jar								Received by: Via:	Received by: Via:
	of-Custody Record		Pr	S Rio Grande	He washing Pr		1213 & enserven com Project Manager	Level 4 (Full Validation)		#	S Fre	Sample Name	S-1 5' 1	S-2 O-S	5-3 0-51	5-4 0-3'	2-5 ٥-3'				the	
	of-Cus	colon		1206	A2.		K Summers		□ Az Compliance			Matrix S	λ	_							Relinquished by:	Relinquished by:

3-8-19 1400

Time

Date

> 1330 1130

01 41

Sohr

J

50:4 Phone #:

Mailing Address:

Chain-of-Custody Record

Ensolum

Client:

QA/QC Package:

Standard

email or Fax#:

Accreditation:

□ EDD (Type)

3-11-19

Same Day

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.

1250

allutu NOUF

رک ا

يې

līme:

Date: 700

1529

18/19

Time:

Date:



March 28, 2019

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

RE: Blanco Storage

OrderNo.: 1903C51

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 8 sample(s) on 3/27/2019 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1903C51

Date Reported: 3/28/2019

CLIENT	ENSOLUM	Client Sample ID: S-6 0-8'
Project:	Blanco Storage	Collection Date: 3/26/2019 11:00:00 AM
Lab ID:	1903C51-001	Matrix: MEOH (SOIL) Received Date: 3/27/2019 8:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	ND	60		mg/Kg	20	3/27/2019 11:38:09 AM	43904
EPA METHOD 8015M/D: DIESEL RANGE C	ORGANICS					Analyst	: Irm
Diesel Range Organics (DRO)	92	10		mg/Kg	1	3/27/2019 10:01:13 AM	43900
Motor Oil Range Organics (MRO)	75	51		mg/Kg	1	3/27/2019 10:01:13 AM	43900
Surr: DNOP	93.9	70-130		%Rec	1	3/27/2019 10:01:13 AM	43900
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: NSB
Gasoline Range Organics (GRO)	220	4.1		mg/Kg	1	3/27/2019 8:33:54 AM	43875
Surr: BFB	1140	73.8-119	S	%Rec	1	3/27/2019 8:33:54 AM	43875
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.020		mg/Kg	1	3/27/2019 8:33:54 AM	43875
Toluene	0.63	0.041		mg/Kg	1	3/27/2019 8:33:54 AM	43875
Ethylbenzene	1.3	0.041		mg/Kg	1	3/27/2019 8:33:54 AM	43875
Xylenes, Total	9.5	0.082		mg/Kg	1	3/27/2019 8:33:54 AM	43875
Surr: 4-Bromofluorobenzene	152	80-120	S	%Rec	1	3/27/2019 8:33:54 AM	43875

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

Н Holding times for preparation or analysis exceeded **Qualifiers:**

- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified at testcode

Page 1 of 13

Hall Environmental Analysis Laboratory, Inc.

Lab Order **1903C51** Date Reported: **3/28/2019**

CLIENT: ENSOLUM	Client Sample ID: S-7 0-8'
Project: Blanco Storage	Collection Date: 3/26/2019 11:05:00 AM
Lab ID: 1903C51-002	Matrix: MEOH (SOIL) Received Date: 3/27/2019 8:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	ND	60		mg/Kg	20	3/27/2019 11:50:33 AM	43904
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst	: Irm
Diesel Range Organics (DRO)	160	10		mg/Kg	1	3/27/2019 10:25:36 AM	43900
Motor Oil Range Organics (MRO)	120	51		mg/Kg	1	3/27/2019 10:25:36 AM	43900
Surr: DNOP	96.4	70-130		%Rec	1	3/27/2019 10:25:36 AM	43900
EPA METHOD 8015D: GASOLINE RANGE						Analyst	NSB
Gasoline Range Organics (GRO)	160	4.2		mg/Kg	1	3/27/2019 8:57:27 AM	43875
Surr: BFB	1250	73.8-119	S	%Rec	1	3/27/2019 8:57:27 AM	43875
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.021		mg/Kg	1	3/27/2019 8:57:27 AM	43875
Toluene	ND	0.042		mg/Kg	1	3/27/2019 8:57:27 AM	43875
Ethylbenzene	0.85	0.042		mg/Kg	1	3/27/2019 8:57:27 AM	43875
Xylenes, Total	6.3	0.084		mg/Kg	1	3/27/2019 8:57:27 AM	43875
Surr: 4-Bromofluorobenzene	150	80-120	S	%Rec	1	3/27/2019 8:57:27 AM	43875

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

Qualifiers:

- H
 Holding times for preparation or analysis exceeded

 PQL
 Practical Quanitative Limit
 - Practical Quanitative Limit % Recovery outside of range due to dilution or matrix

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified at testcode

Page 2 of 13

S

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1903C51

Date Reported: 3/28/2019

CLIENT:	ENSOLUM	Client Sample ID: S-8 0-8'
Project:	Blanco Storage	Collection Date: 3/26/2019 11:10:00 AM
Lab ID:	1903C51-003	Matrix: MEOH (SOIL) Received Date: 3/27/2019 8:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	ND	60		mg/Kg	20	3/27/2019 12:02:58 PM	43904
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analyst	: Irm
Diesel Range Organics (DRO)	990	19		mg/Kg	2	3/27/2019 1:40:38 PM	43900
Motor Oil Range Organics (MRO)	570	97		mg/Kg	2	3/27/2019 1:40:38 PM	43900
Surr: DNOP	106	70-130		%Rec	2	3/27/2019 1:40:38 PM	43900
EPA METHOD 8015D: GASOLINE RANGE						Analyst	NSB
Gasoline Range Organics (GRO)	390	20		mg/Kg	5	3/27/2019 9:20:57 AM	43875
Surr: BFB	290	73.8-119	S	%Rec	5	3/27/2019 9:20:57 AM	43875
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.099		mg/Kg	5	3/27/2019 9:20:57 AM	43875
Toluene	ND	0.20		mg/Kg	5	3/27/2019 9:20:57 AM	43875
Ethylbenzene	ND	0.20		mg/Kg	5	3/27/2019 9:20:57 AM	43875
Xylenes, Total	1.4	0.40		mg/Kg	5	3/27/2019 9:20:57 AM	43875
Surr: 4-Bromofluorobenzene	117	80-120		%Rec	5	3/27/2019 9:20:57 AM	43875

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

Н Holding times for preparation or analysis exceeded **Qualifiers:**

PQL Practical Quanitative Limit

- ND Not Detected at the Reporting Limit
- % Recovery outside of range due to dilution or matrix

RL Reporting Detection Limit

Sample container temperature is out of limit as specified at testcode W

Page 3 of 13

.

S

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1903C51 Date Reported: 3/28/2019

CLIENT	ENSOLUM	Client Sample ID: S-9 0-8'
Project:	Blanco Storage	Collection Date: 3/26/2019 11:15:00 AM
Lab ID:	1903C51-004	Matrix: MEOH (SOIL) Received Date: 3/27/2019 8:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	ND	60		mg/Kg	20	3/27/2019 12:15:22 PM	43904
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analyst	: Irm
Diesel Range Organics (DRO)	24	10		mg/Kg	1	3/27/2019 11:38:42 AM	43900
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/27/2019 11:38:42 AM	43900
Surr: DNOP	97.3	70-130		%Rec	1	3/27/2019 11:38:42 AM	43900
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: NSB
Gasoline Range Organics (GRO)	130	22		mg/Kg	5	3/27/2019 9:44:23 AM	43875
Surr: BFB	186	73.8-119	S	%Rec	5	3/27/2019 9:44:23 AM	43875
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.11		mg/Kg	5	3/27/2019 9:44:23 AM	43875
Toluene	ND	0.22		mg/Kg	5	3/27/2019 9:44:23 AM	43875
Ethylbenzene	0.65	0.22		mg/Kg	5	3/27/2019 9:44:23 AM	43875
Xylenes, Total	2.2	0.43		mg/Kg	5	3/27/2019 9:44:23 AM	43875
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	5	3/27/2019 9:44:23 AM	43875

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

Н Holding times for preparation or analysis exceeded **Qualifiers:**

S

PQL Practical Quanitative Limit

ND Not Detected at the Reporting Limit

% Recovery outside of range due to dilution or matrix

RL Reporting Detection Limit

Sample container temperature is out of limit as specified at testcode W

Page 4 of 13

.

Analytical Report Lab Order 1903C51

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/28/2019 **CLIENT: ENSOLUM** Client Sample ID: S-10 0-8' Collection Date: 3/26/2019 11:20:00 AM **Project:** Blanco Storage 1903C51-005 Lab ID: Matrix: MEOH (SOIL) Received Date: 3/27/2019 8:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	ND	60		mg/Kg	20	3/27/2019 12:27:47 PM	43904
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analyst	: Irm
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/27/2019 12:03:12 PM	43900
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/27/2019 12:03:12 PM	43900
Surr: DNOP	97.5	70-130		%Rec	1	3/27/2019 12:03:12 PM	43900
EPA METHOD 8015D: GASOLINE RANGE						Analyst	NSB
Gasoline Range Organics (GRO)	46	4.6		mg/Kg	1	3/27/2019 10:07:58 AM	43875
Surr: BFB	145	73.8-119	S	%Rec	1	3/27/2019 10:07:58 AM	43875
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.023		mg/Kg	1	3/27/2019 10:07:58 AM	43875
Toluene	0.18	0.046		mg/Kg	1	3/27/2019 10:07:58 AM	43875
Ethylbenzene	0.13	0.046		mg/Kg	1	3/27/2019 10:07:58 AM	43875
Xylenes, Total	2.6	0.093		mg/Kg	1	3/27/2019 10:07:58 AM	43875
Surr: 4-Bromofluorobenzene	98.7	80-120		%Rec	1	3/27/2019 10:07:58 AM	43875

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

Qualifiers:

- Н Holding times for preparation or analysis exceeded PQL Practical Quanitative Limit
 - % Recovery outside of range due to dilution or matrix

- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified at testcode

Page 5 of 13

S

Analytical Report Lab Order 1903C51

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/28/2019

CLIENT:	ENSOLUM	Client Sample ID: S-11 0-8'
Project:	Blanco Storage	Collection Date: 3/26/2019 11:25:00 AM
Lab ID:	1903C51-006	Matrix: MEOH (SOIL) Received Date: 3/27/2019 8:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: MRA
Chloride	ND	60		mg/Kg	20	3/27/2019 12:40:11 PM	43904
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS					Analys	t: Irm
Diesel Range Organics (DRO)	100	10		mg/Kg	1	3/27/2019 12:27:30 PM	43900
Motor Oil Range Organics (MRO)	85	50		mg/Kg	1	3/27/2019 12:27:30 PM	43900
Surr: DNOP	101	70-130		%Rec	1	3/27/2019 12:27:30 PM	43900
EPA METHOD 8015D: GASOLINE RANGE						Analys	t: NSB
Gasoline Range Organics (GRO)	440	20		mg/Kg	5	3/27/2019 10:31:38 AM	43875
Surr: BFB	356	73.8-119	S	%Rec	5	3/27/2019 10:31:38 AM	43875
EPA METHOD 8021B: VOLATILES						Analys	t: NSB
Benzene	0.36	0.10		mg/Kg	5	3/27/2019 10:31:38 AM	43875
Toluene	3.6	0.20		mg/Kg	5	3/27/2019 10:31:38 AM	43875
Ethylbenzene	2.3	0.20		mg/Kg	5	3/27/2019 10:31:38 AM	43875
Xylenes, Total	28	0.41		mg/Kg	5	3/27/2019 10:31:38 AM	43875
Surr: 4-Bromofluorobenzene	112	80-120		%Rec	5	3/27/2019 10:31:38 AM	43875

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

Н Holding times for preparation or analysis exceeded **Qualifiers:**

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit S % Recovery outside of range due to dilution or matrix

RL

Reporting Detection Limit Sample container temperature is out of limit as specified at testcode W

Page 6 of 13
Hall Environmental Analysis Laboratory, Inc.

Lab Order 1903C51

Date Reported: 3/28/2019

CLIENT:	ENSOLUM	Client Sample ID: S-12 8'
Project:	Blanco Storage	Collection Date: 3/26/2019 11:30:00 AM
Lab ID:	1903C51-007	Matrix: MEOH (SOIL) Received Date: 3/27/2019 8:15:00 AM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	60	mg/Kg	20	3/27/2019 12:52:36 PM	43904
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: Irm
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	3/27/2019 12:51:54 PM	43900
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/27/2019 12:51:54 PM	43900
Surr: DNOP	92.0	70-130	%Rec	1	3/27/2019 12:51:54 PM	43900
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.1	mg/Kg	1	3/27/2019 10:55:15 AM	43875
Surr: BFB	91.0	73.8-119	%Rec	1	3/27/2019 10:55:15 AM	43875
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.020	mg/Kg	1	3/27/2019 10:55:15 AM	43875
Toluene	ND	0.041	mg/Kg	1	3/27/2019 10:55:15 AM	43875
Ethylbenzene	ND	0.041	mg/Kg	1	3/27/2019 10:55:15 AM	43875
Xylenes, Total	ND	0.081	mg/Kg	1	3/27/2019 10:55:15 AM	43875
Surr: 4-Bromofluorobenzene	91.7	80-120	%Rec	1	3/27/2019 10:55:15 AM	43875

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

Н Holding times for preparation or analysis exceeded **Qualifiers:**

- PQL Practical Quanitative Limit % Recovery outside of range due to dilution or matrix
- ND Not Detected at the Reporting Limit

W Sample container temperature is out of limit as specified at testcode

S

RL Reporting Detection Limit

Page 7 of 13

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1903C51

Date Reported: 3/28/2019

CLIENT:	ENSOLUM	Client Sample ID: S-13 8'
Project:	Blanco Storage	Collection Date: 3/26/2019 11:35:00 AM
Lab ID:	1903C51-008	Matrix: MEOH (SOIL) Received Date: 3/27/2019 8:15:00 AM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	60	mg/Kg	20	3/27/2019 1:05:01 PM	43904
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: Irm
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	3/27/2019 1:16:13 PM	43900
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	3/27/2019 1:16:13 PM	43900
Surr: DNOP	94.7	70-130	%Rec	1	3/27/2019 1:16:13 PM	43900
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.1	mg/Kg	1	3/27/2019 11:18:40 AM	43875
Surr: BFB	88.9	73.8-119	%Rec	1	3/27/2019 11:18:40 AM	43875
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.021	mg/Kg	1	3/27/2019 11:18:40 AM	43875
Toluene	ND	0.041	mg/Kg	1	3/27/2019 11:18:40 AM	43875
Ethylbenzene	ND	0.041	mg/Kg	1	3/27/2019 11:18:40 AM	43875
Xylenes, Total	ND	0.082	mg/Kg	1	3/27/2019 11:18:40 AM	43875
Surr: 4-Bromofluorobenzene	91.8	80-120	%Rec	1	3/27/2019 11:18:40 AM	43875

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

Н Holding times for preparation or analysis exceeded **Qualifiers:** S

PQL Practical Quanitative Limit

ND Not Detected at the Reporting Limit

% Recovery outside of range due to dilution or matrix

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified at testcode

Page 8 of 13

ENSOLUM

Client:

boratory, Inc. 28-Mar-

Project: Blanco	Storage			
Sample ID: MB-43904	SampType: mblk	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 43904	RunNo: 58669		
Prep Date: 3/27/2019	Analysis Date: 3/27/2019	SeqNo: 1971664	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID: LCS-43904	SampType: Ics	TestCode: EPA Method	300.0: Anions	
Client ID: LCSS	Batch ID: 43904	RunNo: 58669		
Prep Date: 3/27/2019	Analysis Date: 3/27/2019	SeqNo: 1971665	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	14 1.5 15.00	0 92.1 90	110	

Qualifiers:

- H Holding times for preparation or analysis exceeded
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified at testcode

Page 9 of 13

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

1903C51	WO#:
28-Mar-19	

Client:	ENSOLU	M									
Project:	Blanco St	torage									
Sample ID:	MB-43833	SampTy	pe: M	BLK	Tes	tCode: El	PA Method	8015M/D: Die	sel Range	e Organics	
Client ID:	PBS		ID: 43			RunNo: 5				U	
Prep Date:	3/22/2019	Analysis Da	ite: 3/	26/2019	S	SeqNo: 1	969454	Units: %Rec	:		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		5.0		10.00		50.1	70	130			S
Sample ID:	LCS-43863	SampTy	pe: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	sel Range	e Organics	
Client ID:	LCSS	Batch	ID: 43	863	F	RunNo: 5	8623				
Prep Date:	3/25/2019	Analysis Da	ite: 3/	27/2019	S	SeqNo: 1	969475	Units: %Rec	;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		3.5		5.000		69.8	70	130			S
Sample ID:	MB-43863	SampTy	pe: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	sel Range	e Organics	
Client ID:	PBS	Batch	ID: 43	863	F	RunNo: 5	8623				
Prep Date:	3/25/2019	Analysis Da	ite: 3/	27/2019	S	SeqNo: 1	969476	Units: %Rec	;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		8.0		10.00		80.4	70	130			
						00.4	10	100			
Sample ID:	MB-43900	SampTy	pe: M E		Tes		-	8015M/D: Die	sel Range	e Organics	
Sample ID: Client ID:			pe: ME ID: 43	BLK			PA Method		sel Range	• Organics	
Client ID:			ID: 43	3LK 900	F	tCode: El	PA Method 8645		C	• Organics	
Client ID: Prep Date: Analyte	PBS 3/27/2019	Batch	ID: 43	3LK 900 /27/2019	F	tCode: El RunNo: 5 SeqNo: 1	PA Method 8645	8015M/D: Die	C	e Organics	Qual
Client ID: Prep Date: Analyte Diesel Range	PBS 3/27/2019 Organics (DRO)	Batch Analysis Da Result ND	ID: 43 ite: 3/ PQL 10	3LK 900 /27/2019	F	tCode: El RunNo: 5 SeqNo: 1	PA Method 8645 969555	8015M/D: Die Units: mg/K	g	-	Qual
Client ID: Prep Date: Analyte Diesel Range	PBS 3/27/2019 Organics (DRO) ge Organics (MRO)	Batch Analysis Da Result	ID: 43 Ite: 3/ PQL	3LK 900 /27/2019	F	tCode: El RunNo: 5 SeqNo: 1	PA Method 8645 969555	8015M/D: Die Units: mg/K	g	-	Qual
Client ID: Prep Date: Analyte Diesel Range (Motor Oil Rang Surr: DNOP	PBS 3/27/2019 Organics (DRO) ge Organics (MRO)	Batch Analysis Da Result ND ND 9.3	ID: 43 Ite: 3/ PQL 10 50	3LK 900 27/2019 SPK value 10.00	F S SPK Ref Val	tCode: El RunNo: 5 SeqNo: 1 %REC 93.1	PA Method 8645 969555 LowLimit 70	8015M/D: Die Units: mg/K HighLimit 130	g %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Diesel Range Motor Oil Rang Surr: DNOP Sample ID:	PBS 3/27/2019 Organics (DRO) ge Organics (MRO) MB-43901	Batch Analysis Da Result ND 9.3 SampTy	ID: 43 Ite: 3/ PQL 10 50 pe: ME	BLK 900 27/2019 SPK value 10.00 BLK	F SPK Ref Val Tes	tCode: El RunNo: 5 SeqNo: 1 %REC 93.1 tCode: El	PA Method 8645 969555 LowLimit 70 PA Method	8015M/D: Die Units: mg/K HighLimit	g %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Diesel Range (Motor Oil Rang Surr: DNOP Sample ID: Client ID:	PBS 3/27/2019 Organics (DRO) ge Organics (MRO) MB-43901 PBS	Batch Analysis Da Result ND 9.3 SampTy Batch	ID: 43 Ite: 3 / PQL 10 50 pe: ME ID: 43	BLK 900 27/2019 SPK value 10.00 BLK 901	F SPK Ref Val Tes F	tCode: El RunNo: 5 SeqNo: 1 %REC 93.1 tCode: El RunNo: 5	PA Method 8645 969555 LowLimit 70 PA Method 8645	8015M/D: Die Units: mg/K HighLimit 130 8015M/D: Die	g %RPD sel Range	RPDLimit	Qual
Client ID: Prep Date: Analyte Diesel Range (Motor Oil Rang Surr: DNOP Sample ID: Client ID: Prep Date:	PBS 3/27/2019 Organics (DRO) ge Organics (MRO) MB-43901 PBS	Batch Analysis Da Result ND ND 9.3 SampTy Batch Analysis Da	ID: 43 Ite: 3 / PQL 10 50 pe: ME ID: 43 Ite: 3 /	3LK 900 27/2019 SPK value 10.00 3LK 901 27/2019	F SPK Ref Val Tes F S	tCode: El RunNo: 5 SeqNo: 1 %REC 93.1 tCode: El RunNo: 5 SeqNo: 1	PA Method 8645 969555 LowLimit 70 PA Method 8645 969556	8015M/D: Die Units: mg/K HighLimit 130 8015M/D: Die Units: %Rec	g %RPD sel Range	RPDLimit	
Client ID: Prep Date: Analyte Diesel Range (Motor Oil Rang Surr: DNOP Sample ID: Client ID:	PBS 3/27/2019 Organics (DRO) ge Organics (MRO) MB-43901 PBS 3/27/2019	Batch Analysis Da Result ND 9.3 SampTy Batch	ID: 43 Ite: 3 / PQL 10 50 pe: ME ID: 43	3LK 900 27/2019 SPK value 10.00 3LK 901 27/2019	F SPK Ref Val Tes F	tCode: El RunNo: 5 SeqNo: 1 %REC 93.1 tCode: El RunNo: 5 SeqNo: 1	PA Method 8645 969555 LowLimit 70 PA Method 8645 969556	8015M/D: Die Units: mg/K HighLimit 130 8015M/D: Die	g %RPD sel Range	RPDLimit	Qual
Client ID: Prep Date: Analyte Diesel Range (Motor Oil Rang Surr: DNOP Sample ID: Client ID: Prep Date: Analyte Surr: DNOP	PBS 3/27/2019 Organics (DRO) ge Organics (MRO) MB-43901 PBS 3/27/2019	Batch Analysis Da Result ND ND 9.3 SampTy Batch Analysis Da Result	ID: 43 ID: 43 PQL 10 50 pe: ME ID: 43 ID: 43 ID: 43	BLK 900 27/2019 SPK value 10.00 BLK 901 27/2019 SPK value 10.00	F SPK Ref Val Tes F SPK Ref Val	tCode: El RunNo: 5 SeqNo: 1 %REC 93.1 tCode: El RunNo: 5 SeqNo: 1 %REC 96.5	PA Method 8645 969555 LowLimit 70 PA Method 8645 969556 LowLimit 70	8015M/D: Die Units: mg/K HighLimit 130 8015M/D: Die Units: %Rec HighLimit	g %RPD sel Range %RPD	RPDLimit	
Client ID: Prep Date: Analyte Diesel Range (Motor Oil Rang Surr: DNOP Sample ID: Client ID: Prep Date: Analyte Surr: DNOP	PBS 3/27/2019 Organics (DRO) ge Organics (MRO) MB-43901 PBS 3/27/2019	Batch Analysis Da Result ND ND 9.3 SampTy Batch Analysis Da Result 9.6	ID: 43 Ite: 3 / PQL 10 50 ID: 43 ID: 43 Ite: 3 / PQL PQL	BLK 900 27/2019 SPK value 10.00 BLK 901 27/2019 SPK value 10.00	F SPK Ref Val Tes SPK Ref Val Tes	tCode: El RunNo: 5 SeqNo: 1 %REC 93.1 tCode: El RunNo: 5 SeqNo: 1 %REC 96.5	PA Method 8645 969555 LowLimit 70 PA Method 8645 969556 LowLimit 70 PA Method	8015M/D: Die Units: mg/K HighLimit 130 8015M/D: Die Units: %Rec HighLimit 130	g %RPD sel Range %RPD	RPDLimit	
Client ID: Prep Date: Analyte Diesel Range (Motor Oil Rang Surr: DNOP Sample ID: Client ID: Prep Date: Analyte Surr: DNOP Sample ID:	PBS 3/27/2019 Organics (DRO) ge Organics (MRO) MB-43901 PBS 3/27/2019 LCS-43900 LCSS	Batch Analysis Da Result ND 9.3 SampTy Batch Analysis Da Result 9.6 SampTy	ID: 43 ID: 43 Ite: 3/ PQL 10 50 pe: ME ID: 43 ID: 43 PQL ID: 43	3LK 900 27/2019 SPK value 10.00 3LK 901 27/2019 SPK value 10.00 :S 900	F SPK Ref Val Tes SPK Ref Val Tes F	tCode: El RunNo: 5 SeqNo: 1 %REC 93.1 tCode: El RunNo: 5 SeqNo: 1 %REC 96.5 tCode: El	PA Method 8645 969555 LowLimit 70 PA Method 8645 969556 LowLimit 70 PA Method 8645	8015M/D: Die Units: mg/K HighLimit 130 8015M/D: Die Units: %Rec HighLimit 130	g %RPD sel Range %RPD	RPDLimit	
Client ID: Prep Date: Analyte Diesel Range (Motor Oil Rang Surr: DNOP Sample ID: Client ID: Prep Date: Analyte Surr: DNOP Sample ID: Client ID: Client ID:	PBS 3/27/2019 Organics (DRO) ge Organics (MRO) MB-43901 PBS 3/27/2019 LCS-43900 LCSS	Batch Analysis Da Result ND ND 9.3 SampTy Batch Analysis Da Result 9.6 SampTy Batch	ID: 43 ID: 43 Ite: 3/ PQL 10 50 pe: ME ID: 43 ID: 43 PQL ID: 43	BLK 900 27/2019 SPK value 10.00 BLK 901 27/2019 SPK value 10.00 SS 900 27/2019	F SPK Ref Val Tes SPK Ref Val Tes F	tCode: El RunNo: 5 SeqNo: 1 %REC 93.1 tCode: El RunNo: 5 SeqNo: 1 %REC 96.5 tCode: El RunNo: 5 SeqNo: 1	PA Method 8645 969555 LowLimit 70 PA Method 8645 969556 LowLimit 70 PA Method 8645	8015M/D: Die Units: mg/K HighLimit 130 8015M/D: Die Units: %Rec HighLimit 130 8015M/D: Die	g %RPD sel Range %RPD	RPDLimit	
Client ID: Prep Date: Analyte Diesel Range (Motor Oil Rang Surr: DNOP Sample ID: Client ID: Prep Date: Analyte Surr: DNOP Sample ID: Client ID: Prep Date: Analyte	PBS 3/27/2019 Organics (DRO) ge Organics (MRO) MB-43901 PBS 3/27/2019 LCS-43900 LCSS	Batch Analysis Da Result ND ND 9.3 SampTy Batch Analysis Da Result 9.6 SampTy Batch Analysis Da	ID: 43 ID: 43 Ite: 3/ PQL 10 50 ID: 43 ID: 43 ID: 43 ID: 43 ID: 43 ID: 43	BLK 900 27/2019 SPK value 10.00 BLK 901 27/2019 SPK value 10.00 SS 900 27/2019	F SPK Ref Val Tes SPK Ref Val SPK Ref Val Tes F S	tCode: El RunNo: 5 SeqNo: 1 %REC 93.1 tCode: El RunNo: 5 SeqNo: 1 %REC 96.5 tCode: El RunNo: 5 SeqNo: 1	PA Method 8645 969555 LowLimit 70 PA Method 8645 969556 LowLimit 70 PA Method 8645 969557	8015M/D: Die Units: mg/K HighLimit 130 8015M/D: Die Units: %Rec HighLimit 130 8015M/D: Die Units: mg/K	g %RPD sel Range %RPD sel Range	RPDLimit Corganics RPDLimit Corganics Corganics	Qual

Qualifiers:

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 Reporting Detection Limit

RL W

Sample container temperature is out of limit as specified at testcode

Page 10 of 13

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Page	<i>149</i>	of 384
------	------------	--------

1903C51	WO#:	C 51
		10

28-Mar-19

Client:	ENSOLUM									
Project:	Blanco Storage									
Sample ID: LCS-4	3901 Sam	oType: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Bat	tch ID: 43	901	F	RunNo: 5	8645				
Prep Date: 3/27/2	2019 Analysis	Date: 3/	27/2019	S	SeqNo: 1	969558	Units: %Re	C		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.7		5.000		93.0	70	130			
Sample ID: 1903C	51-001AMS Sam	рТуре: М	6	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: S-6 0-8	B' Bat	tch ID: 43	900	F	RunNo: 5	8623				
Prep Date: 3/27/2	2019 Analysis	Date: 3/	27/2019	5	SeqNo: 1	970449	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics	(DRO) 130	10	50.61	91.81	85.1	53.5	126			
Surr: DNOP	5.1		5.061		101	70	130			
Sample ID: 1903C	51-001AMSD Sam	рТуре: М	SD	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: S-6 0-8	B' Bat	tch ID: 43	900	F	RunNo: 5	8623				
Prep Date: 3/27/2	2019 Analysis	Date: 3/	27/2019	5	SeqNo: 1	970450	Units: mg/K	ſg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics	(DRO) 120	9.8	48.97	91.81	65.6	53.5	126	8.44	21.7	
	5.1				105					

Qualifiers:

H Holding times for preparation or analysis exceeded

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified at testcode

Page 11 of 13

Page	150	of 384
------	-----	--------

OKI	WO#:	1903C51
ysis Laboratory, Inc.		28-Mar-19

Client: ENSOI Project: Blanco	LUM Storage									
Sample ID: MB-43875	SampTyp	e: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batch II	D: 43 8	875	F	unNo: 58	8672				
Prep Date: 3/26/2019	Analysis Dat	e: 3/ 2	27/2019	S	eqNo: 19	970545	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	950		1000		95.2	73.8	119			
Sample ID: LCS-43875	SampTyp	e: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batch II	D: 438	875	F	unNo: 5 8	8672				
Prep Date: 3/26/2019	Analysis Date	e: 3/ 2	27/2019	S	eqNo: 1	970546	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	80.1	123			
Surr: BFB	1000		1000		105	73.8	119			

Qualifiers:

- H Holding times for preparation or analysis exceeded
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified at testcode

Page 12 of 13

WO#:	1903C51
	20.14 10

28-Mar-19

Client: ENSOL Project: Blanco	LUM Storage									
Sample ID: MB-43875	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batc	h ID: 43	875	F	RunNo: 5	8672				
Prep Date: 3/26/2019	Analysis [Date: 3/	27/2019	S	SeqNo: 1	970581	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.98		1.000		98.1	80	120			
Sample ID: LCS-43875	Samp	Гуре: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batc	h ID: 43	875	F	RunNo: 5	8672				
Prep Date: 3/26/2019	Analysis I	Date: 3/	27/2019	S	SeqNo: 1	970582	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.3	80	120			
Toluene	1.0	0.050	1.000	0	101	80	120			
Ethylbenzene	1.0	0.050	1.000	0	99.6	80	120			
Ethylbenzene Xylenes, Total	1.0 3.0	0.050 0.10	1.000 3.000	0 0	99.6 101	80 80	120 120			

Qualifiers:

H Holding times for preparation or analysis exceeded

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified at testcode

Page 13 of 13

.

ANAL	RONMENTAL YSIS Ratory	Hall Environmenta All TEL: 505-345-397 Website: www.h	490 buquerq 5 FAX:)1 Hawkins NE Jue, NM 87109 505-345-4107	Sa	Sample Log-In Check List					
Client Name:	ENSOLUM AZTEC	Work Order Number	r: 190	3C51		RcptNo: 1					
Received By: Completed By: Reviewed By:	Anne Thorne Victoria Zellar M $3/27/12$	3/27/2019 8:15:00 AN 3/27/2019 8:29:58 AN			Arn. H Victoria, 3						
			Yes <u>Cou</u>		No 🗌	DAD 3/27/19 Not Present					
Log In 3. Was an atterr	npt made to cool the sa	amples?	Yes		No 🗌						
4. Were all samp	oles received at a temp	perature of >0° C to 6.0°C	Yes	\checkmark	No 🗌						
5. Sample(s) in p	proper container(s)?		Yes	\checkmark	No 🗌						
6. Sufficient sam	ple volume for indicate	ed test(s)?	Yes	\checkmark	No 🗌						
7. Are samples (except VOA and ONG) properly preserved?	Yes	\checkmark	No 🗌						
8. Was preserva	tive added to bottles?		Yes		No 🔽	NA 🗌					
9. VOA vials hav	e zero headspace?		Yes		No 🗌	No VOA Vials 🗹					
	nple containers receive		Yes Yes		No 🔽	# of preserved bottles checked for pH:					
	ancies on chain of cust		165	V		(<2 or >12 unless noted					
12. Are matrices of	correctly identified on C	Chain of Custody?	Yes	\checkmark	No 🗌	Adjusted?					
13. Is it clear what	t analyses were reques	sted?	Yes	\checkmark	No 🗌						
	ng times able to be me ustomer for authorizati		Yes	\checkmark	No 🗌	Checked by: DAD 3/27					
Special Handl	ing (if applicable	<u>)</u> ~									
15. Was client no	tified of all discrepanci	es with this order?	Yes		No 🗌	NA 🗹					
By Who Regardi	<u>j</u> e	Date: Via: [eMa	ail 🗌 Phon	e 🗌 Fax	In Person					
16. Additional rer	marks [.]										
17. <u>Cooler Infor</u> Cooler No	mation Temp ºC Condit		Seal D	ate Sig	ned By						
1	1.0 Good	Yes									

Page 1 of 1

Received by OCD: 8/15/2023 10:45:18 AM

Receiv	ed b	y 00	D: 8 /	/15/2	2023	10:	45:18 /	4 <i>M</i> -(N	J JC) (Air Bubbles													Pa	ge 153 o j	f 384
	. >																							Day	-	
Ē	I ABORATOR)					S										3							4	22	port.
ENVIBONMENT		5	60				0	05		21	10147	2	5		×	K	x	4						6 m	20	vtical re
) _	Albuquerque, NM 87109	107				6	(A	01.	-im92) 0728	×	x	X	7	×	~	5	X					S		le analy
C		l.con	NM,	45-4	est						8260B (VO													*	11	ed on th
			erdne	505-345-4107	Request		PCB's	2808	3/5	səpi	susa restic													61		/ notate
		ironr	andrie	Fax {		(*()S'⁺Od	1 ^{'7} 0N	1' ^ɛ C	DN'I	Ͻ,∃) εnoinΑ							1						55	a.	e clearly
		www.hallenvironmental.com	- Alb		Anal						ACRA 8 Me							-						101	CHEIM	a will be
		h.w	ШN	505-345-3975			(SMI				0168) a'HA9										_	-		0.	14	ted data
2		3	4901 Hawkins NE	345-							EDB (Metho					ī						ι¢.		1 2	4	contract
			l Hav	505-		(0)					TPH 8015B	+	2	X		X	ć	X	X	_				S: Pm	sш	y sub-c
			4901	Tel.							TM + XJT8			-	Ś				^					Remarks: Pm	ARE	ity. An
4											BTEX + 🕅		+	٢	K	Ł	+	Х	×					Rem		possibil
										2				i.	ę	÷		i.						2		of this
Rush	5									1.	No.							_	G					Time 33	S/S	notice
										3 60	HEAL No	10	B	E	F	B	90	J Q	S					e/19	27/1	rves as
1000	3-27.								ON []		I CUC		0	0	0	0	0	0	ç					3/24	Dat	This se
	- 1		20	6	63			1tu		0,0	ve //			<u> (</u>										(1	tories.
	内 Rush		Stolage		Q.	-	200	100	S	re: /	servati Type	(00 l	_											K	~ 1	labora
Time:					CHOPERI 450	jer:	K. Summas	2	Q Yes	Sample Temperature:	Preservative Type	Co						34.			a			- 2	- d	credited
Turn-Around T	dard	Project Name:	BLANCO		4	Project Manager:	S	0		[emp		1												× To	C is	ther acc
Aro-ר	Standard	ect N	3/2.	Project #:	0	ect N	Ń	Sampler:	ce:	- aldr	Container Type and # かとらけんわ	402 Sa	_											Received by:	eceived by	ed to of
Int		Proj	7	Proj		Proj		San	On Ice:	San	JA C	1 2												Rece	Hece	contract
						r	ion)				≙	18		2	5	~	7		~							be subc
ord			de		14	2.602	alidat				Sample Request ID	0-8	0-8	0-8	0-5	0-81	0-8-0	20	5						3	al may
ec			Coranda	~		de	iull ∨				Req)									,	+	Æ	onment
× R				ru n		ensolu	il 4 (F				ple	9-0	2	à	E	0	_	5	Μ					-	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
tod			R.0	5		000	Level 4 (Full Validation)				San	S	5	5-8	5-9	5-10	5-11	5-12	S-13					12 La	N.	d to Ha
ISI			S	fatec		SITU			ler		~				-	- 1	-,		.,	_				shed b	shed b	ubmitte
Chain-of-Custody Record	ę		lode	A		Som			□ Other		Matrix	ς	-					~						Relinquished by:	Relifiquished by:	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.
in-c	Ensolum		ress:	H		年: ズ	age:			oe)	Time	0	h	5	6	0	5	0	5					0	<u>ب</u> ج	ssary, sa
Cha			g Add	Suit	#:	or Fa)	: Pack	litatio	LAP	D (Ty		1100	1105	1110	1115	1130	sen	1130	1135			-			Time: 263	If nece.
)	Client:		Mailing Address:	Se	Phone #:	email or Fax#:	QA/QC Package:	Accreditation	O NELAP	🗆 EDD (Type)	Date	3-26-19	~						-					Date: 3/34/,9	Date: Time: I 3 2 1 2	
Releas	ed to	 9 Im a		: 1/3	риц 3 <i>0/2</i>	ບ [024]	3:00:1	⊄ I <i>PM</i>				3	L J							1			I	ID WO		Τ.

R aging



April 17, 2019

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX

OrderNo.: 1904752

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Kyle Summers:

RE: Blanco Storage

Hall Environmental Analysis Laboratory received 6 sample(s) on 4/16/2019 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1904752 Date Reported: 4/17/2019

CLIENT: ENSOLUM	Client Sample ID: S-14
Project: Blanco Storage	Collection Date: 4/15/2019 10:00:00 AM
Lab ID: 1904752-001	Matrix: MEOH (SOIL) Received Date: 4/16/2019 8:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	ND	60		mg/Kg	20	4/16/2019 11:31:42 AM	44358
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst	ТОМ
Diesel Range Organics (DRO)	440	8.7		mg/Kg	1	4/16/2019 9:43:11 AM	44349
Motor Oil Range Organics (MRO)	250	43		mg/Kg	1	4/16/2019 9:43:11 AM	44349
Surr: DNOP	112	70-130		%Rec	1	4/16/2019 9:43:11 AM	44349
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: NSB
Gasoline Range Organics (GRO)	ND	20		mg/Kg	5	4/16/2019 8:35:18 AM	G59176
Surr: BFB	138	73.8-119	S	%Rec	5	4/16/2019 8:35:18 AM	G59176
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.10		mg/Kg	5	4/16/2019 8:35:18 AM	B59176
Toluene	ND	0.20		mg/Kg	5	4/16/2019 8:35:18 AM	B59176
Ethylbenzene	ND	0.20		mg/Kg	5	4/16/2019 8:35:18 AM	B59176
Xylenes, Total	ND	0.40		mg/Kg	5	4/16/2019 8:35:18 AM	B59176
Surr: 4-Bromofluorobenzene	93.5	80-120		%Rec	5	4/16/2019 8:35:18 AM	B59176

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

Н Holding times for preparation or analysis exceeded **Qualifiers:**

PQL Practical Quanitative Limit

- ND Not Detected at the Reporting Limit
- S % Recovery outside of range due to dilution or matrix

RL Reporting Detection Limit W

Sample container temperature is out of limit as specified at testcode

Page 1 of 12

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1904752 Date Reported: 4/17/2019

CLIENT	ENSOLUM	Client Sample ID: S-15
Project:	Blanco Storage	Collection Date: 4/15/2019 10:05:00 AM
Lab ID:	1904752-002	Matrix: MEOH (SOIL) Received Date: 4/16/2019 8:15:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	60	mg/Kg	20	4/16/2019 11:44:06 AM	44358
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	TOM
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	4/16/2019 10:27:21 AM	44349
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	4/16/2019 10:27:21 AM	44349
Surr: DNOP	106	70-130	%Rec	1	4/16/2019 10:27:21 AM	44349
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.1	mg/Kg	1	4/16/2019 8:59:04 AM	G59176
Surr: BFB	95.7	73.8-119	%Rec	1	4/16/2019 8:59:04 AM	G59176
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.021	mg/Kg	1	4/16/2019 8:59:04 AM	B59176
Toluene	ND	0.041	mg/Kg	1	4/16/2019 8:59:04 AM	B59176
Ethylbenzene	ND	0.041	mg/Kg	1	4/16/2019 8:59:04 AM	B59176
Xylenes, Total	ND	0.083	mg/Kg	1	4/16/2019 8:59:04 AM	B59176
Surr: 4-Bromofluorobenzene	88.8	80-120	%Rec	1	4/16/2019 8:59:04 AM	B59176

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

Н Holding times for preparation or analysis exceeded **Qualifiers:**

PQL Practical Quanitative Limit

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit Sample container temperature is out of limit as specified at testcode W

S % Recovery outside of range due to dilution or matrix

Analytical Report Lab Order 1904752

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

 CLIENT:
 ENSOLUM
 Client Sample ID: S-16

 Project:
 Blanco Storage
 Collection Date: 4/15/2019 10:10:00 AM

 Lab ID:
 1904752-003
 Matrix:
 MEOH (SOIL)
 Received Date: 4/16/2019 8:15:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	60	mg/Kg	20	4/16/2019 11:56:31 AM	44358
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	том
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	4/16/2019 10:49:41 AM	44349
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	4/16/2019 10:49:41 AM	44349
Surr: DNOP	101	70-130	%Rec	1	4/16/2019 10:49:41 AM	44349
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	5.1	mg/Kg	1	4/16/2019 9:22:46 AM	G59176
Surr: BFB	89.8	73.8-119	%Rec	1	4/16/2019 9:22:46 AM	G59176
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.026	mg/Kg	1	4/16/2019 9:22:46 AM	B59176
Toluene	ND	0.051	mg/Kg	1	4/16/2019 9:22:46 AM	B59176
Ethylbenzene	ND	0.051	mg/Kg	1	4/16/2019 9:22:46 AM	B59176
Xylenes, Total	ND	0.10	mg/Kg	1	4/16/2019 9:22:46 AM	B59176
Surr: 4-Bromofluorobenzene	88.3	80-120	%Rec	1	4/16/2019 9:22:46 AM	B59176

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

Qualifiers:

- H
 Holding times for preparation or analysis exceeded

 PQL
 Practical Quanitative Limit
 - Practical Quanitative Limit % Recovery outside of range due to dilution or matrix

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified at testcode

Page 3 of 12

S

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1904752 Date Reported: 4/17/2019

CLIENT:	ENSOLUM	Client Sample ID: S-17
Project:	Blanco Storage	Collection Date: 4/15/2019 10:15:00 AM
Lab ID:	1904752-004	Matrix: MEOH (SOIL) Received Date: 4/16/2019 8:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	ND	60		mg/Kg	20	4/16/2019 12:08:56 PM	44358
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analyst	том
Diesel Range Organics (DRO)	56	9.3		mg/Kg	1	4/16/2019 11:11:52 AM	44349
Motor Oil Range Organics (MRO)	73	46		mg/Kg	1	4/16/2019 11:11:52 AM	44349
Surr: DNOP	95.8	70-130		%Rec	1	4/16/2019 11:11:52 AM	44349
EPA METHOD 8015D: GASOLINE RANGE						Analyst	NSB
Gasoline Range Organics (GRO)	32	4.8		mg/Kg	1	4/16/2019 9:46:29 AM	G59176
Surr: BFB	271	73.8-119	S	%Rec	1	4/16/2019 9:46:29 AM	G59176
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.024		mg/Kg	1	4/16/2019 9:46:29 AM	B59176
Toluene	ND	0.048		mg/Kg	1	4/16/2019 9:46:29 AM	B59176
Ethylbenzene	0.18	0.048		mg/Kg	1	4/16/2019 9:46:29 AM	B59176
Xylenes, Total	1.0	0.095		mg/Kg	1	4/16/2019 9:46:29 AM	B59176
Surr: 4-Bromofluorobenzene	99.4	80-120		%Rec	1	4/16/2019 9:46:29 AM	B59176

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

Н Holding times for preparation or analysis exceeded **Qualifiers:**

S

- PQL Practical Quanitative Limit
 - % Recovery outside of range due to dilution or matrix

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

Sample container temperature is out of limit as specified at testcode W

Page 4 of 12

Analytical Report Lab Order 1904752

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-18 Collection Date: 4/15/2019 10:20:00 AM **Project:** Blanco Storage 1904752-005 Lab ID: Matrix: MEOH (SOIL) Received Date: 4/16/2019 8:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	ND	60		mg/Kg	20	4/16/2019 12:46:08 PM	44358
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analyst	том
Diesel Range Organics (DRO)	13	9.8		mg/Kg	1	4/16/2019 11:33:50 AM	44349
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/16/2019 11:33:50 AM	44349
Surr: DNOP	101	70-130		%Rec	1	4/16/2019 11:33:50 AM	44349
EPA METHOD 8015D: GASOLINE RANGE						Analyst	NSB
Gasoline Range Organics (GRO)	24	4.1		mg/Kg	1	4/16/2019 10:10:12 AM	G59176
Surr: BFB	251	73.8-119	S	%Rec	1	4/16/2019 10:10:12 AM	G59176
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.020		mg/Kg	1	4/16/2019 10:10:12 AM	B59176
Toluene	ND	0.041		mg/Kg	1	4/16/2019 10:10:12 AM	B59176
Ethylbenzene	0.061	0.041		mg/Kg	1	4/16/2019 10:10:12 AM	B59176
Xylenes, Total	0.47	0.082		mg/Kg	1	4/16/2019 10:10:12 AM	B59176
Surr: 4-Bromofluorobenzene	96.2	80-120		%Rec	1	4/16/2019 10:10:12 AM	B59176

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

Н **Qualifiers:**

S

- Holding times for preparation or analysis exceeded PQL Practical Quanitative Limit
- ND Not Detected at the Reporting Limit
- % Recovery outside of range due to dilution or matrix

RL Reporting Detection Limit W

Sample container temperature is out of limit as specified at testcode

Page 5 of 12

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1904752

Date Reported: 4/17/2019

CLIENT:	ENSOLUM	Client Sample ID: S-19
Project:	Blanco Storage	Collection Date: 4/15/2019 10:25:00 AM
Lab ID:	1904752-006	Matrix: MEOH (SOIL) Received Date: 4/16/2019 8:15:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	60	mg/Kg	20	4/16/2019 12:58:33 PM	44358
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: TOM
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	4/16/2019 11:55:53 AM	44349
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	4/16/2019 11:55:53 AM	44349
Surr: DNOP	97.2	70-130	%Rec	1	4/16/2019 11:55:53 AM	44349
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/16/2019 10:33:59 AM	G59176
Surr: BFB	93.0	73.8-119	%Rec	1	4/16/2019 10:33:59 AM	G59176
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	0.028	0.024	mg/Kg	1	4/16/2019 10:33:59 AM	B59176
Toluene	0.078	0.049	mg/Kg	1	4/16/2019 10:33:59 AM	B59176
Ethylbenzene	ND	0.049	mg/Kg	1	4/16/2019 10:33:59 AM	B59176
Xylenes, Total	ND	0.097	mg/Kg	1	4/16/2019 10:33:59 AM	B59176
Surr: 4-Bromofluorobenzene	91.3	80-120	%Rec	1	4/16/2019 10:33:59 AM	B59176

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

Н Holding times for preparation or analysis exceeded **Qualifiers:**

S

- PQL Practical Quanitative Limit

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit Sample container temperature is out of limit as specified at testcode W

% Recovery outside of range due to dilution or matrix

Page 6 of 12

Client:	ENS	OLUM									
Project:	Blar	co Storage									
Sample ID: N	1B-44358	SampT	ype: m l	olk	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID: P	BS	Batcl	n ID: 44	358	F	RunNo: 5 9	9169				
Prep Date:	4/16/2019	Analysis E	Date: 4/	16/2019	S	SeqNo: 19	992911	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID: L	CS-44358	SampT	ype: Ics	6	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID: L	CSS	Batcl	n ID: 44	358	F	RunNo: 5 9	9169				
Prep Date:	4/16/2019	Analysis E	Date: 4	16/2019	S	SeqNo: 19	992912	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	93.3	90	110			

Qualifiers:

- H Holding times for preparation or analysis exceeded
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified at testcode

Page 7 of 12

1904752

17-Apr-19

WO#:

QC SUMMARY REPORT H

ZC SUMMART KEI ORI	WO#:	1904752	
Hall Environmental Analysis Laboratory, Inc.		17-Apr-19	

Client:ENSOLUProject:Blanco St									
	-		Teel			0045M/D. D.		Onnonico	
Sample ID: LCS-44349 Client ID: LCSS	SampType: LC Batch ID: 44			unNo: 59		8015M/D: Die	esel Range	e Organics	
Prep Date: 4/16/2019	Analysis Date: 4			eqNo: 19		Units: mg/K	'n		
				•		•	•		a .
Analyte Diesel Range Organics (DRO)	Result PQL 51 10	SPK value 50.00	SPK Ref Val 0	%REC 101	LowLimit 63.9	HighLimit 124	%RPD	RPDLimit	Qual
Surr: DNOP	4.6	5.000	Ũ	92.0	70	130			
Sample ID: MB-44349	SampType: MI	BLK	Test	Code: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch ID: 44	349	R	unNo: 5 9	9160		-	-	
Prep Date: 4/16/2019	Analysis Date: 4/	16/2019	S	eqNo: 19	992028	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND 10								
Motor Oil Range Organics (MRO)	ND 50	40.00			70	100			
Surr: DNOP	10	10.00		101	70	130			
Sample ID: 1904752-001AMS	SampType: MS	6	Test	Code: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: S-14	Batch ID: 44	349	R	unNo: 59	9160				
Prep Date: 4/16/2019	Analysis Date: 4/	16/2019	S	eqNo: 19	992445	Units: mg/K	g		
Analyte	Result PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO) Surr: DNOP	580 9.5 4.7	47.62 4.762	444.0	293 99.2	53.5 70	126 130			S
	4.7	4.702		99.2	70	130			
Sample ID: 1904752-001AMSI	D SampType: MS	SD	Test	Code: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: S-14	Batch ID: 44			unNo: 5 9					
Prep Date: 4/16/2019	Analysis Date: 4/	16/2019	S	eqNo: 19	992446	Units: mg/K	g		
Analyte	Result PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO) Surr: DNOP	440 9.4 4.8	46.95 4.695	444.0	-17.1 103	53.5 70	126 130	28.9 0	21.7 0	RS
Sample ID: LCS-44342	SampType: LC					8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch ID: 44			unNo: 59					
Prep Date: 4/15/2019	Analysis Date: 4/	16/2019	S	eqNo: 19	992730	Units: %Red	2		
	Result PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.2	5.000		63.7	70	130			S
Sample ID: MB-44342	SampType: MI	BLK	Test	Code: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch ID: 44	342	R	unNo: 59	9160				
Prep Date: 4/15/2019	Analysis Date: 4/	16/2019	S	eqNo: 19	992731	Units: %Red	•		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

Н 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 RL Reporting Detection Limit

W Sample container temperature is out of limit as specified at testcode

Page 8 of 12

1904752

17-Apr-19

WO#:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	NSOLUM anco Storage									
Sample ID: MB-44342	Samp	Гуре: М	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	ient ID: PBS Batch ID: 44342					9160				
Prep Date: 4/15/2019	Analysis [Date: 4	/16/2019	S	SeqNo: 1	992731	Units: %Red	C		
Analyte	alyte Result PQL SPK valu					LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	7.8	7.8 10.00			77.8	70	130			

Qualifiers:

- H Holding times for preparation or analysis exceeded
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified at testcode

Page 9 of 12

QC SUMMARY REPORT Hall

L	all Environmental Analysis Laboratory, Inc.						
Client:	ENSOLUM						
Project:	Blanco Storage						
Sample ID: RB	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range					

Sample ID:	RB	SampT	ype: MI	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e		
Client ID:	PBS	Batch	ID: G 5	59176	F	RunNo: 59176						
Prep Date:		Analysis D	ate: 4/	/16/2019	S	SeqNo: 19	992736	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Rang	e Organics (GRO)	ND	5.0									
Surr: BFB		970		1000		97.1	73.8	119				
Sample ID:	2.5UG GRO LCS	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	е		
Client ID:	LCSS	Batch	ID: G 5	59176	F	RunNo: 5 9	9176					
Prep Date:		Analysis D	ate: 4/	/16/2019	S	SeqNo: 19	992737	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Rang	e Organics (GRO)	27	5.0	25.00	0	109	80.1	123				
Surr: BFB		1100		1000		105	73.8	119				
Sample ID:	1904752-001AMS	SampT	уре: М	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	е		
Client ID:	S-14	Batch	ID: G 5	59176	F	RunNo: 5 9	9176					
Prep Date:		Analysis D	ate: 4/	/16/2019	S	SeqNo: 19	992738	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Sasoline Rang	e Organics (GRO)	120	20	99.60	13.90	105	69.1	142				
Surr: BFB		6100		3984		153	73.8	119			S	
Sample ID:	1904752-001AMS) SampT	уре: М	SD	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	е		
Client ID:	S-14	Batch	ID: 65	59176	F	RunNo: 59	9176					
Prep Date:	• • • •											
Thep Date.	• • •	Analysis D	ate: 4/	/16/2019	S	SeqNo: 19	992739	Units: mg/K	g			
Analyte		Analysis D Result	ate: 4/ PQL		SPK Ref Val		992739 LowLimit	Units: mg/K HighLimit	g %RPD	RPDLimit	Qual	
Analyte	e Organics (GRO)							•	•	RPDLimit 20	Qual	
Analyte	-	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD		Qual S	
Analyte Gasoline Rang Surr: BFB	e Organics (GRO)	Result 130 6000	PQL	SPK value 99.60 3984	SPK Ref Val 13.90	%REC 115 150	LowLimit 69.1 73.8	HighLimit 142	%RPD 8.18 0	20 0		
Analyte Gasoline Rang Surr: BFB	e Organics (GRO)	Result 130 6000 SampT	PQL 20	SPK value 99.60 3984 BLK	SPK Ref Val 13.90 Tes	%REC 115 150	LowLimit 69.1 73.8 PA Method	HighLimit 142 119	%RPD 8.18 0	20 0		
Analyte Gasoline Rang Surr: BFB Sample ID: Client ID:	e Organics (GRO) MB-44339	Result 130 6000 SampT	PQL 20 ype: MI 1D: 44	SPK value 99.60 3984 BLK 339	SPK Ref Val 13.90 Tes F	%REC 115 150 tCode: EF	LowLimit 69.1 73.8 PA Method 9176	HighLimit 142 119	%RPD 8.18 0	20 0		
Analyte Gasoline Rang Surr: BFB Sample ID: Client ID:	e Organics (GRO) MB-44339 PBS	Result 130 6000 SampT Batch	PQL 20 ype: MI 1D: 44	SPK value 99.60 3984 BLK 339 /16/2019	SPK Ref Val 13.90 Tes F	%REC 115 150 tCode: EF	LowLimit 69.1 73.8 PA Method 9176	HighLimit 142 119 8015D: Gaso	%RPD 8.18 0	20 0		
Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date:	e Organics (GRO) MB-44339 PBS	Result 130 6000 SampT Batch Analysis D	PQL 20 ype: MI 1D: 44 ate: 4/	SPK value 99.60 3984 BLK 339 /16/2019	SPK Ref Val 13.90 Tes F	%REC 115 150 tCode: EF RunNo: 59 SeqNo: 19	LowLimit 69.1 73.8 PA Method 9176 992759	HighLimit 142 119 8015D: Gaso Units: %Red	%RPD 8.18 0	20 0	S	
Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte Surr: BFB	e Organics (GRO) MB-44339 PBS	Result 130 6000 SampT Batch Analysis D Result 890	PQL 20 ype: MI 1D: 44 ate: 4/	SPK value 99.60 3984 BLK 339 /16/2019 SPK value 1000	SPK Ref Val 13.90 Tes F SPK Ref Val	%REC 115 150 tCode: EF RunNo: 59 SeqNo: 19 %REC 88.9	LowLimit 69.1 73.8 PA Method 9176 992759 LowLimit 73.8	HighLimit 142 119 8015D: Gaso Units: %Red HighLimit	%RPD 8.18 0 line Rang	20 0 e RPDLimit	S	
Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte Surr: BFB Sample ID:	e Organics (GRO) MB-44339 PBS 4/15/2019 LCS-44339	Result 130 6000 SampT Batch Analysis D Result 890 SampT	PQL 20 ype: MI 1D: 44 ate: 4/ PQL	SPK value 99.60 3984 BLK 339 /16/2019 SPK value 1000	SPK Ref Val 13.90 Tes SPK Ref Val Tes	%REC 115 150 tCode: EF RunNo: 59 SeqNo: 19 %REC 88.9	LowLimit 69.1 73.8 PA Method 9176 992759 LowLimit 73.8 PA Method	HighLimit 142 119 8015D: Gaso Units: %Red HighLimit 119	%RPD 8.18 0 line Rang	20 0 e RPDLimit	S	
Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte Surr: BFB Sample ID: Client ID:	e Organics (GRO) MB-44339 PBS 4/15/2019 LCS-44339	Result 130 6000 SampT Batch Analysis D Result 890 SampT	PQL 20 ype: MI 1D: 44 ate: 4/ PQL ype: LC	SPK value 99.60 3984 BLK 339 /16/2019 SPK value 1000 CS 339	SPK Ref Val 13.90 Tes SPK Ref Val Tes F	%REC 115 150 tCode: EF RunNo: 59 SeqNo: 19 %REC 88.9 tCode: EF	LowLimit 69.1 73.8 PA Method 9176 992759 LowLimit 73.8 PA Method 9176	HighLimit 142 119 8015D: Gaso Units: %Red HighLimit 119	%RPD 8.18 0 line Rang %RPD	20 0 e RPDLimit	S	
Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte Surr: BFB Sample ID: Client ID:	e Organics (GRO) MB-44339 PBS 4/15/2019 LCS-44339 LCSS	Result 130 6000 SampT Batch Analysis D Result 890 SampT Batch	PQL 20 ype: MI 1D: 44 ate: 4/ PQL ype: LC	SPK value 99.60 3984 BLK 339 /16/2019 SPK value 1000 CS 339 /16/2019	SPK Ref Val 13.90 Tes SPK Ref Val Tes F	%REC 115 150 tCode: EF RunNo: 59 SeqNo: 19 %REC 88.9 tCode: EF RunNo: 59 SeqNo: 19	LowLimit 69.1 73.8 PA Method 9176 992759 LowLimit 73.8 PA Method 9176	HighLimit 142 119 8015D: Gaso Units: %Red HighLimit 119 8015D: Gaso	%RPD 8.18 0 line Rang %RPD	20 0 e RPDLimit	S	

Qualifiers:

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

RL Reporting Detection Limit W Sample container temperature is out of limit as specified at testcode

Page 10 of 12

QC SUMMARY REPORT Hall

QC SUMMAF Hall Environme				ory, Inc.					WO#:	1904752 17-Apr-19
	OLUM co Storage									
Sample ID: RB	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batcl	h ID: B5	9176	F	RunNo: 5	9176				
Prep Date:	Analysis E	Date: 4/	16/2019	S	SeqNo: 1	992776	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		96.4	80	120			
Sample ID: 100NG BTEX	LCS SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batcl	h ID: B5	9176	F	RunNo: 5	9176				
Prep Date:	Analysis E	Date: 4/	16/2019	5	SeqNo: 1	992777	Units: mg/ł	٢g		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.2	80	120			
Toluene	0.94	0.050	1.000	0	93.8	80	120			
Ethylbenzene	0.95	0.050	1.000	0	94.6	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.9	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		92.5	80	120			

Sample ID: 1904752-002AMS	ample ID: 1904752-002AMS SampType: MS						TestCode: EPA Method 8021B: Volatiles						
Client ID: S-15	Batch	n ID: B5	9176	F	RunNo: 59176								
Prep Date:	Analysis D	Date: 4/	16/2019	S	SeqNo: 1	992778	Units: mg/K	g					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	0.74	0.021	0.8251	0.01007	88.4	63.9	127						
Toluene	0.77	0.041	0.8251	0.01163	92.1	69.9	131						
Ethylbenzene	0.76	0.041	0.8251	0.009323	91.4	71	132						
Xylenes, Total	2.4	0.083	2.475	0.07104	93.5	71.8	131						
Surr: 4-Bromofluorobenzene	0.77		0.8251		93.6	80	120						

Sample ID: 1904752-002AM	SD SampT	ype: MS	MSD TestCode: EPA Method 8021B: Volatiles							
Client ID: S-15	Batch	n ID: B5	9176	F	RunNo: 5	9176				
Prep Date:	Analysis D	ate: 4/	16/2019	S	SeqNo: 1	992779	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.71	0.021	0.8251	0.01007	85.3	63.9	127	3.49	20	
Toluene	0.74	0.041	0.8251	0.01163	88.6	69.9	131	3.82	20	
Ethylbenzene	0.75	0.041	0.8251	0.009323	89.2	71	132	2.41	20	
Xylenes, Total	2.3	0.083	2.475	0.07104	91.8	71.8	131	1.80	20	
Surr: 4-Bromofluorobenzene	0.74		0.8251		90.1	80	120	0	0	

Qualifiers:

S

Holding times for preparation or analysis exceeded Н

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit % Recovery outside of range due to dilution or matrix

RL Reporting Detection Limit W Sample container temperature is out of limit as specified at testcode

Page 11 of 12

Page	<i>166</i>	of 384	
------	------------	--------	--

e	mental Analysis Laboratory, Inc.	: 1904752 17-Apr-19
	ENSOLUM Blanco Storage	
Sample ID: MB-44339	9 SampType: MBLK TestCode: EPA Method 8021B: Volatiles	
Client ID: PBS	Batch ID: 44339 RunNo: 59176	
Prep Date: 4/15/201	19 Analysis Date: 4/16/2019 SeqNo: 1992797 Units: %Rec	
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit	Qual

Surr: 4-Bromofluorobenzene	0.89	1.000		88.6	80	120			
Sample ID: LCS-44339	SampType:	LCS	Test	Code: EF	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batch ID:	44339	R	unNo: 5 9	9176				
Prep Date: 4/15/2019	Analysis Date:	4/16/2019	S	eqNo: 19	992798	Units: %Re	c		
Analyte	Result PC	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.91	1.000		90.7	80	120			

Qualifiers:

Holding times for preparation or analysis exceeded Н

PQL Practical Quanitative Limit

- S % Recovery outside of range due to dilution or matrix
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified at testcode

Page 12 of 12

Page	167	of	384

.

	HALL ENVIR ANALY	ONMENT	0:45:18 AM F AL	H	EL: 505-345	ental Analysis Labor 4901 Hawki Albuquerque, NM & 3975 FAX: 505-345 w.hallenvironmenta	ns NE 87109 Sar -4107	nple Log-In Ch	Page 167 o
Clien	t Name:	ENSOLU	AZTEC	Wor	rk Order Num	nber: 1904752		RcptNo:	1
Comp Revie	ived By: bleted By: wed By:	Erin Mel	Dominguez endrez 4070	4/16/2	2019 8:15:00 2019 8:29:53		Dr UL ULA	, 	
Chair	n of Cust	tody							
	Chain of Cu		plete?			Yes 🗹	No 🗌	Not Present	
2. Ho	w was the s	sample deli	vered?			Courier			
<u>Log</u> 3. Wa		pt made to	cool the sam	oles?		Yes 🖌	No 🗌	NA 🗌	
4. We	re all samp	les receive	d at a temper	ature of >0° C	C to 6.0°C	Yes 🗸	No 🗌		
5. Sar	mple(s) in p	roper conta	ainer(s)?			Yes 🗸	No 🗌		
6. Suff	ficient sam	ole volume	for indicated I	est(s)?		Yes 🗹	No 🗌		
7. Are	samples (e	except VOA	and ONG) pr	operly preser	ved?	Yes 🗹	No 🗌		
8. Wa	s preservat	ive added t	o bottles?			Yes	No 🗹	NA 🗌	
9. VOA	A vials have	e zero head	space?			Yes	No 🗌	No VOA Vials 🗹	
10. We	ere any sam	ple contair	ers received	oroken?		Yes	No 🗹	# of preserved	
			ottle labels? ain of custod	<i>y</i>)		Yes 🗹	No 🗌	bottles checked for pH: (<2 or >	12 unless noted)
12. Are	matrices co	orrectly ide	ntified on Cha	in of Custody	?	Yes 🖌	No 🗌	Adjusted?	
13. Is it	clear what	analyses w	vere requested	1?		Yes 🗹	No 🗌		
		-	e to be met? authorization.)		Yes 🗹	No 🗌	Checked by:	JJC - 446
Specia	al Handli	ng (if ap	plicable)						
15. Wa	is client not	ified of all o	liscrepancies	with this orde	r?	Yes	No 🗌	NA 🗹	
	Person N	Notified:	[Date	: [
	By Whor	m:	[Via:	eMail 🗌 I	Phone 🗌 Fax	In Person	
	Regardir Client In	ng: structions:	[[
16. Ad	ditional ren	narks:							
	oler Inform								
	Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By		
1		3.3	Good	Yes					
2		3.7	Good	Yes					

Page 1 of 1

Receiv	ed b	y 00	D: 8	/15/2	2023	10:	:45:18 /	(NL)	01)	Air Bubbles										/	<u>age</u>	168 of	384
		1							70													\sum	
ENVTDONMENTAL	YSTS I ARORATOR	www.hallenvironmental.com	Albuquerque, NM 87109	Fax 505-345-4107				/ 808 / (/	r) iqea I'NC	M 8 AADA D, 7) snoinA 8081 Pestic 8080 (VOV 8260B (VOV 1002 8270 (Semi-										Level Level	10.25 /19 / me	Collas) Arris	This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
	1 _	w.halle	ЧЦ	975	Ar	-	(SMIS	S 0728) ol)168) a'HA9										5	1 5	51	d data w
			/kins	345-3						EDB (Metho									-	- 10	toy has	t	ontracte
			4901 Hawkins NE	Tel. 505-345-3975		(0)	AM \ OS			TPH 60158	X	~						 		- mcl	640	14	ny sub-c
			490	Tel						BTEX + MT										Remarks:			bility. A
						(r208) e	HTTER	+ 38	BTEX + ME	X	-		_			 	 		Rer			nis possi
ime: 100 20	母 Rush 4-16-19		o Stringe		654 1236 643	er:	Summers	· DAPONT:	erature: 3.3 °c , 3.7 °c	Preservative Type 1904752	-001	-002	-003	-004	-005	-006				Date Time	Walter 115/14 1152 Date Time	courier 4/16/19 8:15	
Turn-Around Time:	□ Standard	Project Name:	Blano	Project #:	SO	Project Manager	Kyle	Sampler: C	Temp	Container Type and #	1 Yoz									Received by:	Received by:	A)	ontracted to other acc
Chain-of-Custody Record	2		S Rio Grande	Arte Nay			Level 4 (Full Validation)			Sample Request ID	S-14	3-15	8-16	S-17	5-18	8-19				py:	d by:	ANJAUL	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories.
-of-Cu	Ensolum		s: 100	/				□ Other		Matrix	S	2	S	S	S	ζ				Relinquished by:	Refinquished by:	Churcher	, samples subm
hain	Ens		Addres	+ +	4.1	Fax#:	ackage. Iard	ation	(Type)	Time	1000	1005	0101	1015	10201	1025				Time:	Time:	1281	necessary
Chain-o Chain-o Releas	Client:	o Ima	Mailing	ی ج : 1/3	2/2 Bhone #:	email or Fax#:	QA/QC Package: ☐ Standard	Marcreditation	EDD (Type)	Date	4/15/19		,		_	~				Date:		5	If.



April 26, 2019

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX:

RE: Blanco Storage

OrderNo.: 1904B44

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 3 sample(s) on 4/24/2019 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order **1904B44** Date Reported: **4/26/2019**

CLIENT: ENSOLUM	Client Sample ID: S-20
Project: Blanco Storage	Collection Date: 4/23/2019 12:00:00 PM
Lab ID: 1904B44-001	Matrix: MEOH (SOIL) Received Date: 4/24/2019 8:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: smb
Chloride	ND	60	mg/Kg	20	4/24/2019 1:07:31 PM	44510
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	JME
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	4/24/2019 9:54:32 AM	44501
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	4/24/2019 9:54:32 AM	44501
Surr: DNOP	98.7	70-130	%Rec	1	4/24/2019 9:54:32 AM	44501
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	4/24/2019 12:04:27 PM	G59391
Surr: BFB	89.1	73.8-119	%Rec	1	4/24/2019 12:04:27 PM	G59391
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	4/24/2019 12:04:27 PM	B59391
Toluene	ND	0.048	mg/Kg	1	4/24/2019 12:04:27 PM	B59391
Ethylbenzene	ND	0.048	mg/Kg	1	4/24/2019 12:04:27 PM	B59391
Xylenes, Total	ND	0.097	mg/Kg	1	4/24/2019 12:04:27 PM	B59391
Surr: 4-Bromofluorobenzene	89.2	80-120	%Rec	1	4/24/2019 12:04:27 PM	B59391

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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

Page 1 of 7

Analytical Report Lab Order 1904B44

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/26/2019 **CLIENT:** ENSOLUM Client Sample ID: S-21 Collection Date: 4/23/2019 12:05:00 PM **Project:** Blanco Storage 1904B44-002 Lab ID: Matrix: MEOH (SOIL) Received Date: 4/24/2019 8:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	smb
Chloride	ND	60	mg/Kg	20	4/24/2019 1:19:55 PM	44510
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst:	JME
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	4/24/2019 9:53:24 AM	44501
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	4/24/2019 9:53:24 AM	44501
Surr: DNOP	103	70-130	%Rec	1	4/24/2019 9:53:24 AM	44501
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	NSB
Gasoline Range Organics (GRO)	ND	3.8	mg/Kg	1	4/24/2019 12:27:55 PM	G59391
Surr: BFB	87.0	73.8-119	%Rec	1	4/24/2019 12:27:55 PM	G59391
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.019	mg/Kg	1	4/24/2019 12:27:55 PM	B59391
Toluene	ND	0.038	mg/Kg	1	4/24/2019 12:27:55 PM	B59391
Ethylbenzene	ND	0.038	mg/Kg	1	4/24/2019 12:27:55 PM	B59391
Xylenes, Total	ND	0.075	mg/Kg	1	4/24/2019 12:27:55 PM	B59391
Surr: 4-Bromofluorobenzene	86.6	80-120	%Rec	1	4/24/2019 12:27:55 PM	B59391

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

Page 2 of 7

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1904B44

Date Reported: 4/26/2019

CLIENT	ENSOLUM	Client Sample ID: S-22
Project:	Blanco Storage	Collection Date: 4/23/2019 12:10:00 PM
Lab ID:	1904B44-003	Matrix: MEOH (SOIL) Received Date: 4/24/2019 8:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: smb
Chloride	ND	60	mg/Kg	20	4/24/2019 1:32:19 PM	44510
EPA METHOD 8015M/D: DIESEL RANGE OF	GANICS				Analyst	: JME
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	4/24/2019 10:17:19 AN	44501
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	4/24/2019 10:17:19 AN	44501
Surr: DNOP	104	70-130	%Rec	1	4/24/2019 10:17:19 AN	44501
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	8.2	4.4	mg/Kg	1	4/24/2019 3:35:13 PM	G59391
Surr: BFB	112	73.8-119	%Rec	1	4/24/2019 3:35:13 PM	G59391
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.022	mg/Kg	1	4/24/2019 3:35:13 PM	B59391
Toluene	ND	0.044	mg/Kg	1	4/24/2019 3:35:13 PM	B59391
Ethylbenzene	ND	0.044	mg/Kg	1	4/24/2019 3:35:13 PM	B59391
Xylenes, Total	ND	0.088	mg/Kg	1	4/24/2019 3:35:13 PM	B59391
Surr: 4-Bromofluorobenzene	87.2	80-120	%Rec	1	4/24/2019 3:35:13 PM	B59391

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 3 of 7

Client: ENSC	DLUM								
Project: Blanc	o Storage								
Sample ID: MB-44510	SampType: MBLK	TestCode: EPA Method							
Client ID: PBS	Batch ID: 44510	RunNo: 59384							
Prep Date: 4/24/2019	Analysis Date: 4/24/2019	SeqNo: 2001543	Units: mg/Kg						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual					
Chloride	ND 1.5								
Sample ID: LCS-44510	SampType: LCS	TestCode: EPA Method	300.0: Anions						
Client ID: LCSS	Batch ID: 44510	RunNo: 59384	ınNo: 59384						
Prep Date: 4/24/2019	Analysis Date: 4/24/2019	SeqNo: 2001544	Units: mg/Kg						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual					
Chloride	14 1.5 15.00	0 94.0 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 range due to dilution or matrix

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

Page 4 of 7

1904B44

26-Apr-19

WO#:

QC SUMMARY REPORT Hall Environ

AKI KEPUKI	WO#:	1904B44	
mental Analysis Laboratory, Inc.		26-Apr-19	

Client:ENSOLProject:Blanco										
Sample ID: MB-44501	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 44501	RunNo: 59378								
Prep Date: 4/24/2019	Analysis Date: 4/24/2019	SeqNo: 2000142	Units: mg/Kg							
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual						
Diesel Range Organics (DRO)	ND 10									
Motor Oil Range Organics (MRO)	ND 50	00.4 70	120							
Surr: DNOP	9.9 10.00	99.1 70	130							
Sample ID: LCS-44501	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range	Organics						
Client ID: LCSS	Batch ID: 44501	RunNo: 59378								
Prep Date: 4/24/2019	Analysis Date: 4/24/2019	SeqNo: 2000143	Units: mg/Kg							
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual						
Diesel Range Organics (DRO)	46 10 50.00	0 91.3 63.9	124							
Surr: DNOP	4.4 5.000	87.5 70	130							
Sample ID: MB-44490	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range	Organics						
Client ID: PBS	Batch ID: 44490	RunNo: 59379								
Prep Date: 4/23/2019	Analysis Date: 4/24/2019	SeqNo: 2000149	Units: %Rec							
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual						
Surr: DNOP	10 10.00	105 70	130							
Sample ID: LCS-44490	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range	Organics						
Client ID: LCSS	Batch ID: 44490	RunNo: 59379								
Prep Date: 4/23/2019	Analysis Date: 4/24/2019	SeqNo: 2000155	Units: %Rec							
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual						
Surr: DNOP	4.6 5.000	91.8 70	130							
Sample ID: MB-44521	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range	Organics						
Client ID: PBS	Batch ID: 44521	RunNo: 59378	J	5						
Prep Date: 4/24/2019	Analysis Date: 4/25/2019	SeqNo: 2001614	Units: %Rec							
Analyte	-	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual						
Surr: DNOP	9.5 10.00	95.4 70	130							
Sample ID: LCS-44521	SampType: LCS	TestCode: FPA Method	8015M/D: Diesel Range	Organics						
Client ID: LCSS	Batch ID: 44521	RunNo: 59378								
Prep Date: 4/24/2019	Analysis Date: 4/25/2019	SeqNo: 2001615	Units: %Rec							
	-									
Analyte Surr: DNOP	ResultPQLSPK value3.85.000	SPK Ref Val %REC LowLimit 76.9 70	HighLimit %RPD 130	RPDLimit Qual						

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

	SOLUM nco Storage										
Sample ID: RB	SampT	ype: ME	BLK	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch	1D: G5	9391	RunNo: 59391							
Prep Date:	Analysis D	ate: 4/	24/2019	S	SeqNo: 20	000940	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GR	0) ND	5.0									
Surr: BFB	900		1000		90.0	73.8	119				
Sample ID: 2.5UG GRO	LCS SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Range	e		
Client ID: LCSS	Batch	ID: G5	9391	F	RunNo: 59	9391					
Prep Date:	Analysis D	ate: 4/	24/2019	S	SeqNo: 20	000941	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GR	0) 24	5.0	25.00	0	97.5	80.1	123				
Surr: BFB	1000		1000		100	73.8	119				

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

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

Page 6 of 7

1904B44

26-Apr-19

WO#:

Released to Imaging: 1/30/2024 3:00:11 PM

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

0.88

1.000

	NSOLUM										
Project: B	lanco Storage										
Sample ID: RB	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles			
Client ID: PBS	Batc	h ID: B5	9391	RunNo: 59391							
Prep Date:	Analysis Date: 4/24/2019			5	SeqNo: 2	000972	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenze	ne 0.89		1.000		88.6	80	120				
Sample ID: 100NG BT	EX LCS Samp	Гуре: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles			
Client ID: LCSS	Batc	h ID: B5	9391	F	RunNo: 5 9	9391					
Prep Date:	Analysis [Date: 4/2	24/2019	5	SeqNo: 2	000973	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.88	0.025	1.000	0	88.1	80	120				
Toluene	0.92	0.050	1.000	0	91.9	80	120				
Ethylbenzene	0.91	0.050	1.000	0	91.3	80	120				
Xylenes, Total	2.8	0.10	3.000	0	92.2	80	120				

87.5

80

120

Qualifiers:

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

PQL Practical Quanitative Limit

Surr: 4-Bromofluorobenzene

% Recovery outside of range due to dilution or matrix S

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

WO#: 1904B44 26-Apr-19

ived by OCD: 8/15/2023 10:45:18 AM	Hall Environmental					Page 177 o
ENVIRONMENTAL ANALYSIS LABORATORY	Albu TEL: 505-345-3975 Website: www.ha		(87109 5-4107	Sam	nple Log-In Ch	eck List
Client Name: ENSOLUM AZTEC W	ork Order Number:	1904B44			RcptNo: 1	
Received By: Erin Melendrez 4/24	/2019 8:20:00 AM		ú	NA NA	7	
Completed By: Erin Melendrez 4/24	/2019 8:36:33 AM		in	MA	2	
Reviewed By: AT 04124119 LB: ENM 4124/19						
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	
4. Were all samples received at a temperature of $>0^{\circ}$	°C to 6.0°C	Yes 🔽	No			
5. Sample(s) in proper container(s)?		Yes 🖌	No			<i>34</i> .
6. Sufficient sample volume for indicated test(s)?		Yes 🗹	No			
7. Are samples (except VOA and ONG) properly prese	erved?	Yes 🔽	No			
8. Was preservative added to bottles?		Yes	No	\checkmark	NA 🗌	
9. VOA vials have zero headspace?		Yes	No		No VOA Vials 🗹	
10. Were any sample containers received broken?		Yes	No			
					<pre># of preserved bottles checked</pre>	~ /
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No		bottles checked for pH: (520)-11: Adjusted	unless noted)
12. Are matrices correctly identified on Chain of Custod	ly?	Yes 🗹	No		Adjusted	
13. Is it clear what analyses were requested?		Yes 🗸	No		NM	
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No		Checked by:	
Special Handling (if applicable)						
15. Was client notified of all discrepancies with this ord	ler?	Yes	No		NA 🔽	
	Milliolarder Services			answerender.		
Person Notified:	Date:					
By Whom: Regarding:	Via:	∫eMail [_]	Phone	J⊦ax	In Person	
Client Instructions:				an ay not granted		
16. Additional remarks:						
17. <u>Cooler Information</u> Cooler No Temp °C Condition Seal Inta	ict Seal No Se	eal Date	Signed	By		
1 2.1 Good Yes			Signed	2,		

.

Page 1 of 1

			<i>D:</i> 0/	13/2		10:	43:10 A	(N 1	o Y)	Air Bubbles									ruge	[/ & 0] .	304
	ANALYSIS LABORATORY							5						5						and)	report.
Ę	RA.		109	~			¢	08	21	SY Mel	x	-	-							2 d	alytical r
		mo	Albuquerque, NM 87109	505-345-4107				(۲		-im92) 0728									D	4 y	the ar
6	₽ ₽	tal.c	le, N	-345	sənt	1	110			AOV) 80828									610	S	ated or
	S o	nen	nerqu	505	s Red					8081 Pestici						-2-			SS		irly nota
	N IS	viror	Ibndl	Fax	Analysis Request	(*(S,₄Oq	' ^ε ΟN' ^ε		ID, F) snoinA			1	1	1				13	6/7	be clea
		www.hallenvironmental.com	1		Ana			S 0/70	a turk	9168) a'HA9 8 Ma	8		1		-				5	612	ata will
ł		WW.	s NE	-397		No.			1.1.1.1	EDB (Metho	1			3					0 10:	2	cted da
-		3	4901 Hawkins NE	505-345-3975		1			5. S.	odieM) H9T			3		- 11				E WI	r L	-contra
0			1 Ha	1. 505		(0)	30 / MF	AQ / OF	яð)	83108 H9T	X	-	-				 -				dus (n
			490	Tel.		(<i>հ</i> յւ	io seĐ)	Hqt -	+ 36	BTEX + MTB									Remarks:		oility. A
						(r208) e	- TANE	BE +	BTEX + ME	メ	/	-						Ren		possib
100%	4-24-79		6256	0	CHO		ž	<i>+</i> /;		HEAL NO.	- 100	-002	-003	and there are a set of the set of					Date Time	0290 by hz/Hz	. This serves as notice of this
ime:	Rush_	e:	neo Ste	<	CHODECI HSO	ager:	K: Summers	2 DAPON	perature: 2 1º0	Preservative Type								1	when	LEAL CHIL	ccredited laboratories
Turn-Around T	Standard	Project Name:	Blan	Project #:	00	Project Manager:	х́	Sampler: , On Ice:	Sample Temperature:	Container Type and #	1402								Received by:	N.S.	ontracted to other a
Chain-of-Custody Record			Shis Grande	Lee Non 87410			Level 4 (Full Validation)			Sample Request ID	5-20	10-5	5-23	en 120 de la 100 k de la 10					id by:	it walk	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
-of-Cu	Ensolum		200	Azt.				□ Other		Matrix	S	-	-						Relinquished by:	Mut	, samples subr
hain			Addres	A t'	#:	email or Fax#:	QA/QC Package:	itation AP	□ EDD (Type)	Time	1200	SOD	0161						Time: Time:	23/19 1807	f necessary.
Releas	Client:	Ima	Mailing Address:	50,7	Phone #:	o liemail o	QA/QC Packa	Accreditation		Date	91/2Ch	-	2						Date: 7-33-19 Date:	1/23/19	



April 29, 2019

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX

RE: Blanco Storage

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

OrderNo.: 1904C85

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/26/2019 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1904C85

Date Reported: 4/29/2019

CLIENT: ENSOLUM		Cl	ient S	ample II	D: S-2	23				
Project: Blanco Storage	Collection Date: 4/25/2019 11:00:00 AM									
Lab ID: 1904C85-001	Matrix: SOIL		Received Date: 4/26/2019 8:15:00 AM							
Analyses	Result	RL	Qual	Units	nits DF Date Analyzed					
EPA METHOD 300.0: ANIONS						Analyst	MRA			
Chloride	ND	61		mg/Kg	20	4/26/2019 11:13:05 AM	44561			
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS					Analyst	JME			
Diesel Range Organics (DRO)	520	9.3		mg/Kg	1	4/26/2019 10:11:40 AM	44559			
Motor Oil Range Organics (MRO)	210	46		mg/Kg	1	4/26/2019 10:11:40 AM	44559			
Surr: DNOP	87.8	70-130		%Rec	1	4/26/2019 10:11:40 AM	44559			
EPA METHOD 8015D: GASOLINE RAN	NGE					Analyst	: NSB			
Gasoline Range Organics (GRO)	1300	83		mg/Kg	20	4/26/2019 12:02:33 PM	G59464			
Surr: BFB	489	73.8-119	S	%Rec	20	4/26/2019 12:02:33 PM	G59464			
EPA METHOD 8021B: VOLATILES						Analyst	: NSB			
Benzene	0.58	0.41		mg/Kg	20	4/26/2019 12:02:33 PM	B59464			
Toluene	3.4	0.83		mg/Kg	20	4/26/2019 12:02:33 PM	B59464			
Ethylbenzene	8.3	0.83		mg/Kg	20	4/26/2019 12:02:33 PM	B59464			
Xylenes, Total	70	1.7		mg/Kg	20	4/26/2019 12:02:33 PM	B59464			
Surr: 4-Bromofluorobenzene	112	80-120		%Rec	20	4/26/2019 12:02:33 PM	B59464			

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 5
Client:	ENSOLUM	1									
Project:	Blanco Stor	rage									
Sample ID: MB-	44561	SampT	ype: ml	olk	Tes	tCode: EF	PA Method	300.0: Anion	S		
Client ID: PBS	5	Batch	ID: 44	561	F	RunNo: 59	9463				
Prep Date: 4/2	6 /2019 A	Analysis D	ate: 4/	26/2019	5	SeqNo: 20	003513	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID: LCS	-44561	SampT	ype: Ics	5	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID: LCS	S	Batch	ID: 44	561	F	RunNo: 5 9	9463				
Prep Date: 4/2	6 /2019 A	Analysis D	ate: 4/	26/2019	5	SeqNo: 20	003514	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	96.2	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

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

Page 2 of 5

1904C85

29-Apr-19

WO#:

Motor Oil Range Organics (MRO)

OC SUMMARY REPORT H

ND

50

Page	182	of 384
------	-----	--------

UC SUMMAI Hall Environme			2.		WO#:	1904C85 29-Apr-19
	OLUM co Storage					
Sample ID: MB-44559	SampType: M	BLK 1	estCode: EPA Method	8015M/D: Diesel Ran	nge Organics	
Client ID: PBS	Batch ID: 44	559	RunNo: 59439			
Prep Date: 4/26/2019	Analysis Date: 4	/26/2019	SeqNo: 2002693	Units: mg/Kg		
Analyte	Result PQL	SPK value SPK Ref V	al %REC LowLimit	HighLimit %RPD	D RPDLimit	Qual
Diesel Range Organics (DRO)	ND 10					

Surr: DNOP	8.1 10.00	80.7 70	130	
Sample ID: LCS-44559	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Org	anics
Client ID: LCSS	Batch ID: 44559	RunNo: 59439		
Prep Date: 4/26/2019	Analysis Date: 4/26/2019	SeqNo: 2002694	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RP[DLimit Qual
Diesel Range Organics (DRO)	43 10 50.00	0 86.7 63.9	124	
Surr: DNOP	3.9 5.000	77.8 70	130	
Sample ID: LCS-44544	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Org	anics
Client ID: LCSS	Batch ID: 44544	RunNo: 59449		
Prep Date: 4/25/2019	Analysis Date: 4/26/2019	SeqNo: 2002781	Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPI	DLimit Qual
Surr: DNOP	4.8 5.000	96.9 70	130	
Sample ID: MB-44544	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Org	anics
Sample ID: MB-44544 Client ID: PBS	SampType: MBLK Batch ID: 44544	TestCode: EPA Method RunNo: 59449	8015M/D: Diesel Range Org	anics
			8015M/D: Diesel Range Org	anics
Client ID: PBS	Batch ID: 44544 Analysis Date: 4/26/2019	RunNo: 59449	Units: %Rec	anics DLimit Qual

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Prep Date: Analyte

QC SUMMARY REPORT Hall Env

Result

PQL

Page 1	83 of	384
--------	-------	-----

	Laboratory, Inc.		WO#:	1904C85 29-Apr-19
ENSOLUM Blanco Storage				
SampType: ME	BLK TestCode: EPA	Method 8015D: Gasoline Range		
	ENSOLUM Blanco Storage SampType: MI Batch ID: GS	ENSOLUM Blanco Storage SampType: MBLK Batch ID: G59464 Contemporation Statements Service Servi	ENSOLUM Blanco Storage SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range	Immental Analysis Laboratory, Inc. WO#: ENSOLUM Blanco Storage SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Batch ID: G59464 RunNo: 59464

HighLimit

%RPD

RPDLimit

Qual

Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	880		1000		87.6	73.8	119			
Sample ID: 2.5UG GRO LCS	SampT	ype: LC	s	Test	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batch	ID: G 5	59464	R	RunNo: 5	9464				
Prep Date:	Analysis D	ate: 4/	/26/2019	S	SeqNo: 2	003350	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	100	80.1	123			
Surr: BFB	1000		1000		104	73.8	119			
Sample ID: MB-44536	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Sample ID: MB-44536 Client ID: PBS		ype: ME 1D: 44			tCode: El RunNo: 5 9		8015D: Gaso	line Rang	е	
		D: 44	536	R		9464	8015D: Gaso Units: %Red	•	e	
Client ID: PBS	Batch	D: 44	536 /26/2019	R	RunNo: 5 9 SeqNo: 2 0	9464 003356		•	e RPDLimit	Qual
Client ID: PBS Prep Date: 4/25/2019	Batch Analysis D	n ID: 44 ate: 4/	536 /26/2019	R	RunNo: 5 9 SeqNo: 2 0	9464 003356	Units: %Red	:		Qual
Client ID: PBS Prep Date: 4/25/2019 Analyte	Batch Analysis D Result 870	n ID: 44 ate: 4/	536 /26/2019 SPK value 1000	R S SPK Ref Val	RunNo: 5 9 SeqNo: 2 0 <u>%REC</u> 86.9	9464 003356 LowLimit 73.8	Units: % Red HighLimit	s %RPD	RPDLimit	Qual
Client ID: PBS Prep Date: 4/25/2019 Analyte Surr: BFB	Batch Analysis D Result 870 SampT	DID: 44 ate: 4/ PQL	536 /26/2019 SPK value 1000	R SPK Ref Val Test	RunNo: 5 9 SeqNo: 2 0 <u>%REC</u> 86.9	9464 003356 LowLimit 73.8 PA Method	Units: %Rec HighLimit 119	s %RPD	RPDLimit	Qual
Client ID: PBS Prep Date: 4/25/2019 Analyte Surr: BFB Sample ID: LCS-44536	Batch Analysis D Result 870 SampT	PQL ype: LC	536 /26/2019 SPK value 1000 CS 536	R SPK Ref Val Tesi R	RunNo: 5 9 SeqNo: 2 0 <u>%REC</u> 86.9 tCode: E 1	9464 003356 LowLimit 73.8 PA Method 9464	Units: %Rec HighLimit 119	%RPD	RPDLimit	Qual
Client ID: PBS Prep Date: 4/25/2019 Analyte Surr: BFB Sample ID: LCS-44536 Client ID: LCSS	Batch Analysis D Result 870 SampT Batch	PQL ype: LC	536 /26/2019 SPK value 1000 CS 536 /26/2019	R SPK Ref Val Tesi R	RunNo: 59 SeqNo: 20 %REC 86.9 tCode: El RunNo: 59 SeqNo: 20	9464 003356 LowLimit 73.8 PA Method 9464	Units: %Red HighLimit 119 8015D: Gaso	%RPD	RPDLimit	Qual

SPK value SPK Ref Val %REC LowLimit

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

Page 4 of 5

|--|

	WO#:	1904C85	
nalysis Laboratory, Inc.		29-Apr-19	

Client:	ENSOLU	M									
Project:	Blanco St	orage									
Sample ID:	RB	Samp	Type: ME	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID:	PBS	Batc	h ID: B5	9464	F	RunNo: 5 9	9464				
Prep Date:		Analysis E	Date: 4/	26/2019	S	SeqNo: 20	003385	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Brom	ofluorobenzene	0.86		1.000		85.7	80	120			
Sample ID:	100NG BTEX LCS	Samp	Гуре: LC	S	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID:	LCSS	Batc	h ID: B5	9464	F	RunNo: 5 9	9464				
Prep Date:		Analysis E	Date: 4/	26/2019	S	SeqNo: 20	003386	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.96	0.025	1.000	0	95.8	80	120			
Toluene		0.98	0.050	1.000	0	98.4	80	120			
Ethylbenzene		0.98	0.050	1.000	0	98.2	80	120			
Xylenes, Total		3.0	0.10	3.000	0	99.3	80	120			
Surr: 4-Brom	ofluorobenzene	0.95		1.000		95.2	80	120			
Sample ID:	MB-44536	Samp	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID:	PBS	Batc	h ID: 44	536	F	RunNo: 59	9464				
Prep Date:	4/25/2019	Analysis [Date: 4/	26/2019	5	SeqNo: 20	003389	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Brom	ofluorobenzene	0.86		1.000		86.2	80	120			
Sample ID:	LCS-44536	Samp	Гуре: LC	S	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID:	LCSS	Batc	h ID: 44	536	F	RunNo: 5 9	9464				
Prep Date:	4/25/2019	Analysis E	Date: 4/	26/2019	5	SeqNo: 20	003390	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Brom	ofluorobenzene	0.89		1.000		89.2	80	120			

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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

Page	185	of 384	l

 Chain of Custody 1. Is Chain of Custody complete 2. How was the sample delivered Log In 3. Was an attempt made to cool 4. Were all samples received at a 5. Sample(s) in proper container 6. Sufficient sample volume for in 7. Are samples (except VOA and 8. Was preservative added to bot 9. VOA vials have zero headspace 10. Were any sample containers received 	4/26/2019 8:15:0 4/26/2019 8:27:0 4/26/2019 8:27:0 4/2 + 1 + 1 4/2 +		<i>Aene Jr</i> <i>Aene Jr</i> No No No No No No No	RcptNo: 1	
Completed By: Anne Thorne Reviewed By: Cabulul by: Chain of Custody 1. Is Chain of Custody complete 2. How was the sample delivered Log In 3. Was an attempt made to cool 4. Were all samples received at a 5. Sample(s) in proper container 6. Sufficient sample volume for in 7. Are samples (except VOA and 8. Was preservative added to bot 9. VOA vials have zero headspac 10. Were any sample containers r	4/26/2019 8:27: 4/2 c / i n - OH/2G/19 ? d? the samples? a temperature of >0° C to 6.0°C (s)? indicated test(s)? ONG) properly preserved?	50 AM Yes ♥ Courier Yes ♥ Yes ♥ Yes ♥ Yes ♥	No No No No No	Not Present 🗌	
Reviewed By: Labulat by: Chain of Custody 1. Is Chain of Custody complete 2. How was the sample delivered Log In 3. Was an attempt made to cool 4. Were all samples received at a 5. Sample(s) in proper container 6. Sufficient sample volume for in 7. Are samples (except VOA and 8. Was preservative added to bot 9. VOA vials have zero headspac 10. Were any sample containers r	$4 z + i ^{2}$ - O4 zGII9 ? d? the samples? a temperature of >0° C to 6.0°C (s)? indicated test(s)? ONG) properly preserved?	Yes ✔ Courier Yes ✔ Yes ✔ Yes ✔ Yes ✔ Yes ✔	No No No No No	Not Present 🗌	
<i>Labeled by Chain of Custody</i> 1. Is Chain of Custody complete 2. How was the sample delivered <i>Log In</i> 3. Was an attempt made to cool 4. Were all samples received at a 5. Sample(s) in proper container 6. Sufficient sample volume for in 7. Are samples (except VOA and 8. Was preservative added to bot 9. VOA vials have zero headspace 10. Were any sample containers r	c) c	Courier Yes ✔ Yes ✔ Yes ✔ Yes ✔	No No No No No	Not Present 🗌	
 <u>Chain of Custody</u> 1. Is Chain of Custody complete 2. How was the sample delivered <u>Log In</u> 3. Was an attempt made to cool 4. Were all samples received at a 5. Sample(s) in proper container 6. Sufficient sample volume for in 7. Are samples (except VOA and 8. Was preservative added to bot 9. VOA vials have zero headspace 10. Were any sample containers received and 	c) c	Courier Yes ✔ Yes ✔ Yes ✔ Yes ✔	No No No No No No No No	NA 🗌	
 Is Chain of Custody complete How was the sample delivered Log In Was an attempt made to cool Were all samples received at a Sample(s) in proper container Sufficient sample volume for ir Are samples (except VOA and Was preservative added to bot VOA vials have zero headspace Were any sample containers r 	d? the samples? a temperature of >0° C to 6.0°C (s)? dicated test(s)? ONG) properly preserved?	Courier Yes ✔ Yes ✔ Yes ✔ Yes ✔	No No No No No No No No	NA 🗌	
 How was the sample delivered Log In Was an attempt made to cool Were all samples received at a Sample(s) in proper container Sufficient sample volume for in Are samples (except VOA and Was preservative added to bot VOA vials have zero headspace Were any sample containers received 	d? the samples? a temperature of >0° C to 6.0°C (s)? dicated test(s)? ONG) properly preserved?	Courier Yes ✔ Yes ✔ Yes ✔ Yes ✔	No No No No No No No No	NA 🗌	
Log In 3. Was an attempt made to cool 4. Were all samples received at a 5. Sample(s) in proper container 6. Sufficient sample volume for ir 7. Are samples (except VOA and 8. Was preservative added to bot 9. VOA vials have zero headspace 10. Were any sample containers r	the samples? a temperature of >0° C to 6.0°C (s)? dicated test(s)? ONG) properly preserved?	Yes ✔ Yes ✔ Yes ✔ Yes ✔ Yes ✔	No		
 Was an attempt made to cool Were all samples received at a Sample(s) in proper container Sufficient sample volume for in Are samples (except VOA and Was preservative added to bot VOA vials have zero headspace Were any sample containers r 	a temperature of >0° C to 6.0°C (s)? ndicated test(s)? ONG) properly preserved?	Yes ✔ Yes ✔ Yes ✔ Yes ✔	No		
 Were all samples received at a Sample(s) in proper container Sufficient sample volume for in Are samples (except VOA and Was preservative added to bot VOA vials have zero headspace Were any sample containers r 	a temperature of >0° C to 6.0°C (s)? ndicated test(s)? ONG) properly preserved?	Yes ✔ Yes ✔ Yes ✔ Yes ✔	No		
 Sample(s) in proper container Sufficient sample volume for in Are samples (except VOA and Was preservative added to bot VOA vials have zero headspace Were any sample containers r 	(s)? ndicated test(s)? ONG) properly preserved?	Yes ✔ Yes ✔ Yes ✔	No 🗌 No 🛄 No 🛄	NA	
 6. Sufficient sample volume for ir 7. Are samples (except VOA and 8. Was preservative added to bot 9. VOA vials have zero headspace 10. Were any sample containers r 	ndicated test(s)? ONG) properly preserved?	Yes ✔ Yes ✔	No 🗌 No 🗌	_	
 7. Are samples (except VOA and 8. Was preservative added to bot 9. VOA vials have zero headspace 10. Were any sample containers r 	ONG) properly preserved?	Yes 🔽	No 🗌	_	
8. Was preservative added to bot9. VOA vials have zero headspace10. Were any sample containers r			_	_	
9. VOA vials have zero headspac 10. Were any sample containers r	tles?	Yes 🗌	_		
10. Were any sample containers r			No 🗹	NA	
10. Were any sample containers r	2	Yes	No 🗔	No VOA Vials 🗹	
		Yes			
11	eceived biokeit?	1es —		# of preserved	
 Does paperwork match bottle 	abels?	Yes 🔽		bottles checked for pH:	
(Note discrepancies on chain o		_			2 unless noted)
 Are matrices correctly identified Is it also such as a second secon	•	Yes 🗹	No 🛄	Adjusted?	
13. Is it clear what analyses were r 14. Were all holding times able to l		Yes 🗹	No 🛄	Checked by:	
(If no, notify customer for author		Yes 🗹	No		
Special Handling (if applic	abla)				
15. Was client notified of all discre		Yes			
			No 🗌		
Person Notified:		ite [· · · · · ·		
By Whom:		a: 🗌 eMail 🗌 F	Phone 🔄 Fax [In Person	
Regarding: Client Instructions:					
······································	····· ··· ···· ···· ···· ·····	·····		·····	
16. Additional remarks:	Custudy Seal	intact	on so	n (Ja- / An	F 04/20
17. <u>Cooler Information</u>	- 				
	ondition Seal Intact Seal No	Seal Date	Signed By		
1 1.9 Go 2 3.9 Go					

	ANALYSTS LABORATORY		37109	Fax 505-345-4107	Analysis Request		S , t _o O	е ⁽⁷	7 827 NO ₂ A) Frese	10 (10 ^{3;}	58 Me (A(AHs by 27 J. J. J. 260 (VC 260 (VC))))))))))))))))))))))))))))))))))))	Ц 8 8 8 8 С С С С С С С							Pm Tom Long	Rodels Encin N # 2	This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
		att Auto	4901 F	Tel. 5(, MR	੦ਬ	0 / DI	ษอ) D S	081 Pe		XX						Remarks:	Ar	ssibility. Any su
Turn-Around Time:	, <u>1</u>		Blanco Storage	Project #:	Eto 2661 450	Project Manager:	K Summers		Sampler: Cil April	lers: 2	holuding CF); // ¹ C- , - 2, 9 eC-	Preservative	1 ype and # 1 ype 1404 (192						Received by: Via: Date Time Re	Received by: Via: Date Time	
Chain-of-Custody Record	Client: Faschun		Mailing Address: 606 S K. O Grande	Seit A STUD	Pho	email or Fax#:	QA/QC Package:		Accreditation:	ype)				43-19 1100 5 5-33						 Pate: Time: Relinquished by PL3579 IST9 PLAND	Date: Time: Repopulshed by: MrS/n 1840 / Mnat 1, Mult	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories.

ι



May 07, 2019

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX

RE: Blanco Storage

OrderNo.: 1905227

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 8 sample(s) on 5/4/2019 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1905227

Date Reported: 5/7/2019

CLIENT:	ENSOLUM	Client Sample ID: S-24						
Project:	Blanco Storage	Collection Date: 5/3/2019 10:00:00) AM					
Lab ID:	1905227-001	Matrix: MEOH (SOIL) Received Date: 5/4/2019 8:50:00	AM					

Analyses	Result	RL	Qua	l Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: MRA
Chloride	ND	60		mg/Kg	20	5/5/2019 11:06:49 AM	44722
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS					Analys	t: TOM
Diesel Range Organics (DRO)	150	9.8		mg/Kg	1	5/6/2019 10:19:41 AM	44727
Motor Oil Range Organics (MRO)	140	49		mg/Kg	1	5/6/2019 10:19:41 AM	44727
Surr: DNOP	95.9	70-130		%Rec	1	5/6/2019 10:19:41 AM	44727
EPA METHOD 8015D: GASOLINE RANGE						Analys	t: RAA
Gasoline Range Organics (GRO)	22	21		mg/Kg	5	5/6/2019 9:15:29 AM	G59659
Surr: BFB	129	73.8-119	S	%Rec	5	5/6/2019 9:15:29 AM	G59659
EPA METHOD 8021B: VOLATILES						Analys	t: RAA
Benzene	ND	0.11		mg/Kg	5	5/6/2019 9:15:29 AM	R59659
Toluene	ND	0.21		mg/Kg	5	5/6/2019 9:15:29 AM	R59659
Ethylbenzene	ND	0.21		mg/Kg	5	5/6/2019 9:15:29 AM	R59659
Xylenes, Total	1.6	0.43		mg/Kg	5	5/6/2019 9:15:29 AM	R59659
Surr: 4-Bromofluorobenzene	93.7	80-120		%Rec	5	5/6/2019 9:15:29 AM	R59659

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 14

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1905227

Date Reported: 5/7/2019

CLIENT	ENSOLUM	Client Sample ID: S-25
Project:	Blanco Storage	Collection Date: 5/3/2019 10:05:00 AM
Lab ID:	1905227-002	Matrix: MEOH (SOIL) Received Date: 5/4/2019 8:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: MRA
Chloride	ND	60	mg/Kg	20	5/5/2019 11:19:13 AM	44722
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst	: TOM
Diesel Range Organics (DRO)	48	9.7	mg/Kg	1	5/6/2019 12:10:33 PM	44727
Motor Oil Range Organics (MRO)	55	49	mg/Kg	1	5/6/2019 12:10:33 PM	44727
Surr: DNOP	97.5	70-130	%Rec	1	5/6/2019 12:10:33 PM	44727
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	24	mg/Kg	5	5/6/2019 9:39:10 AM	G59659
Surr: BFB	119	73.8-119	%Rec	5	5/6/2019 9:39:10 AM	G59659
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.12	mg/Kg	5	5/6/2019 9:39:10 AM	R59659
Toluene	ND	0.24	mg/Kg	5	5/6/2019 9:39:10 AM	R59659
Ethylbenzene	0.25	0.24	mg/Kg	5	5/6/2019 9:39:10 AM	R59659
Xylenes, Total	0.61	0.47	mg/Kg	5	5/6/2019 9:39:10 AM	R59659
Surr: 4-Bromofluorobenzene	94.1	80-120	%Rec	5	5/6/2019 9:39:10 AM	R59659

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

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

Page 2 of 14

Analytical Report Lab Order 1905227

Date Reported: 5/7/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUMClient Sample ID: S-26Project: Blanco StorageCollection Date: 5/3/2019 10:10:00 AMLab ID: 1905227-003Matrix: MEOH (SOIL)Received Date: 5/4/2019 8:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	60	mg/Kg	20	5/5/2019 11:31:38 AM	44722
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	том
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	5/6/2019 11:03:47 AM	44727
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	5/6/2019 11:03:47 AM	44727
Surr: DNOP	96.4	70-130	%Rec	1	5/6/2019 11:03:47 AM	44727
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	22	mg/Kg	5	5/6/2019 10:02:55 AM	G59659
Surr: BFB	103	73.8-119	%Rec	5	5/6/2019 10:02:55 AM	G59659
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.11	mg/Kg	5	5/6/2019 10:02:55 AM	R59659
Toluene	ND	0.22	mg/Kg	5	5/6/2019 10:02:55 AM	R59659
Ethylbenzene	ND	0.22	mg/Kg	5	5/6/2019 10:02:55 AM	R59659
Xylenes, Total	ND	0.44	mg/Kg	5	5/6/2019 10:02:55 AM	R59659
Surr: 4-Bromofluorobenzene	92.3	80-120	%Rec	5	5/6/2019 10:02:55 AM	R59659

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

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

Page 3 of 14

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1905227

Date Reported: 5/7/2019

CLIENT:	: ENSOLUM	Client Sample ID: S-27
Project:	Blanco Storage	Collection Date: 5/3/2019 10:15:00 AM
Lab ID:	1905227-004	Matrix: MEOH (SOIL) Received Date: 5/4/2019 8:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	59	mg/Kg	20	5/5/2019 11:44:02 AM	44722
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	ТОМ
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	5/6/2019 11:25:55 AM	44727
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	5/6/2019 11:25:55 AM	44727
Surr: DNOP	98.2	70-130	%Rec	1	5/6/2019 11:25:55 AM	44727
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.1	mg/Kg	1	5/6/2019 10:26:18 AM	G59659
Surr: BFB	98.1	73.8-119	%Rec	1	5/6/2019 10:26:18 AM	G59659
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.020	mg/Kg	1	5/6/2019 10:26:18 AM	R59659
Toluene	ND	0.041	mg/Kg	1	5/6/2019 10:26:18 AM	R59659
Ethylbenzene	ND	0.041	mg/Kg	1	5/6/2019 10:26:18 AM	R59659
Xylenes, Total	ND	0.082	mg/Kg	1	5/6/2019 10:26:18 AM	R59659
Surr: 4-Bromofluorobenzene	90.6	80-120	%Rec	1	5/6/2019 10:26:18 AM	R59659

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

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

Page 4 of 14

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1905227

Date Reported: 5/7/2019

CLIENT:	ENSOLUM	Client Sample ID: S-28
Project:	Blanco Storage	Collection Date: 5/3/2019 10:20:00 AM
Lab ID:	1905227-005	Matrix: MEOH (SOIL) Received Date: 5/4/2019 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	ND	60		mg/Kg	20	5/5/2019 11:56:27 AM	44722
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analyst	: TOM
Diesel Range Organics (DRO)	10	9.6		mg/Kg	1	5/6/2019 11:48:11 AM	44727
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/6/2019 11:48:11 AM	44727
Surr: DNOP	95.9	70-130		%Rec	1	5/6/2019 11:48:11 AM	44727
EPA METHOD 8015D: GASOLINE RANGE						Analyst	RAA
Gasoline Range Organics (GRO)	4.8	4.4		mg/Kg	1	5/6/2019 10:49:43 AM	G59659
Surr: BFB	26.9	73.8-119	S	%Rec	1	5/6/2019 10:49:43 AM	G59659
EPA METHOD 8021B: VOLATILES						Analyst	RAA
Benzene	ND	0.022		mg/Kg	1	5/6/2019 10:49:43 AM	R59659
Toluene	ND	0.044		mg/Kg	1	5/6/2019 10:49:43 AM	R59659
Ethylbenzene	ND	0.044		mg/Kg	1	5/6/2019 10:49:43 AM	R59659
Xylenes, Total	ND	0.088		mg/Kg	1	5/6/2019 10:49:43 AM	R59659
Surr: 4-Bromofluorobenzene	91.7	80-120		%Rec	1	5/6/2019 10:49:43 AM	R59659

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 5 of 14

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1905227

Date Reported: 5/7/2019

CLIENT:	: ENSOLUM	Client Sample ID: S-29
Project:	Blanco Storage	Collection Date: 5/3/2019 10:25:00 AM
Lab ID:	1905227-006	Matrix: MEOH (SOIL) Received Date: 5/4/2019 8:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	60	mg/Kg	20	5/5/2019 12:08:51 PM	44722
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	TOM
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	5/6/2019 12:29:30 PM	44727
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	5/6/2019 12:29:30 PM	44727
Surr: DNOP	98.8	70-130	%Rec	1	5/6/2019 12:29:30 PM	44727
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	5/6/2019 11:13:14 AM	G59659
Surr: BFB	91.4	73.8-119	%Rec	1	5/6/2019 11:13:14 AM	G59659
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.023	mg/Kg	1	5/6/2019 11:13:14 AM	R59659
Toluene	ND	0.047	mg/Kg	1	5/6/2019 11:13:14 AM	R59659
Ethylbenzene	ND	0.047	mg/Kg	1	5/6/2019 11:13:14 AM	R59659
Xylenes, Total	ND	0.094	mg/Kg	1	5/6/2019 11:13:14 AM	R59659
Surr: 4-Bromofluorobenzene	89.3	80-120	%Rec	1	5/6/2019 11:13:14 AM	R59659

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 6 of 14

Hall Environmental Analysis Laboratory, Inc.

Lab Order **1905227** Date Reported: **5/7/2019**

CLIENT:	ENSOLUM	(Client Sample ID: S-30
Project:	Blanco Storage		Collection Date: 5/3/2019 10:30:00 AM
Lab ID:	1905227-007	Matrix: MEOH (SOIL)	Received Date: 5/4/2019 8:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	60	mg/Kg	20	5/5/2019 12:21:16 PM	44722
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	TOM
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	5/6/2019 12:05:05 PM	44727
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	5/6/2019 12:05:05 PM	44727
Surr: DNOP	93.3	70-130	%Rec	1	5/6/2019 12:05:05 PM	44727
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	5.1	mg/Kg	1	5/6/2019 11:36:42 AM	G59659
Surr: BFB	90.8	73.8-119	%Rec	1	5/6/2019 11:36:42 AM	G59659
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.026	mg/Kg	1	5/6/2019 11:36:42 AM	R59659
Toluene	ND	0.051	mg/Kg	1	5/6/2019 11:36:42 AM	R59659
Ethylbenzene	ND	0.051	mg/Kg	1	5/6/2019 11:36:42 AM	R59659
Xylenes, Total	ND	0.10	mg/Kg	1	5/6/2019 11:36:42 AM	R59659
Surr: 4-Bromofluorobenzene	88.4	80-120	%Rec	1	5/6/2019 11:36:42 AM	R59659

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

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

Page 7 of 14

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1905227

Date Reported: 5/7/2019

CLIENT: ENSOLUM		Client Sample ID: S-31
Project:	Blanco Storage	Collection Date: 5/3/2019 10:35:00 AM
Lab ID:	1905227-008	Matrix: MEOH (SOIL) Received Date: 5/4/2019 8:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: MRA
Chloride	ND	60	mg/Kg	20	5/5/2019 12:33:41 PM	44722
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: TOM
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	5/6/2019 11:40:37 AM	44727
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	5/6/2019 11:40:37 AM	44727
Surr: DNOP	93.5	70-130	%Rec	1	5/6/2019 11:40:37 AM	44727
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	3.6	mg/Kg	1	5/6/2019 12:00:04 PM	G59659
Surr: BFB	91.9	73.8-119	%Rec	1	5/6/2019 12:00:04 PM	G59659
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.018	mg/Kg	1	5/6/2019 12:00:04 PM	R59659
Toluene	ND	0.036	mg/Kg	1	5/6/2019 12:00:04 PM	R59659
Ethylbenzene	ND	0.036	mg/Kg	1	5/6/2019 12:00:04 PM	R59659
Xylenes, Total	ND	0.072	mg/Kg	1	5/6/2019 12:00:04 PM	R59659
Surr: 4-Bromofluorobenzene	89.2	80-120	%Rec	1	5/6/2019 12:00:04 PM	R59659

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

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

Page 8 of 14

Client: E	SOLUM
Project: B	nco Storage
Sample ID: MB-44722	SampType: mblk TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 44722 RunNo: 59653
Prep Date: 5/5/2019	Analysis Date: 5/5/2019 SeqNo: 2010922 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND 1.5
Sample ID: LCS-4472	SampType: Ics TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 44722 RunNo: 59653
Prep Date: 5/5/2019	Analysis Date: 5/5/2019 SeqNo: 2010923 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14 1.5 15.00 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

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

1905227

07-May-19

WO#:

WO#:	1905	5227
	07.14	10

07-May-19

Client:ENSOLProject:Blanco				
Sample ID: LCS-44647	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics	
Client ID: LCSS	Batch ID: 44647	RunNo: 59643		
Prep Date: 5/3/2019	Analysis Date: 5/6/2019	SeqNo: 2010611	Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual
Surr: DNOP	4.4 5.000	88.3 70	130	
Sample ID: LCS-44727	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics	
Client ID: LCSS	Batch ID: 44727	RunNo: 59643		
Prep Date: 5/6/2019	Analysis Date: 5/6/2019	SeqNo: 2010612	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual
Diesel Range Organics (DRO)	46 10 50.00	0 92.9 63.9	124	
Surr: DNOP	4.3 5.000	86.8 70	130	
Sample ID: MB-44647	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics	
Client ID: PBS	Batch ID: 44647	RunNo: 59643		
Prep Date: 5/3/2019	Analysis Date: 5/6/2019	SeqNo: 2010613	Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual
Surr: DNOP	10 10.00	103 70	130	
Sample ID: MB-44727	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics	
Client ID: PBS	Batch ID: 44727	RunNo: 59643		
Prep Date: 5/6/2019	Analysis Date: 5/6/2019	SeqNo: 2010614	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual
Diesel Range Organics (DRO)	ND 10			
Motor Oil Range Organics (MRO) Surr: DNOP	ND 50 9.5 10.00	95.3 70	130	
		95.5 10	130	
Sample ID: LCS-44646	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics	
Client ID: LCSS	Batch ID: 44646	RunNo: 59644		
Prep Date: 5/3/2019	Analysis Date: 5/6/2019	SeqNo: 2010648	Units: %Rec	
Analyte		SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual
Surr: DNOP	4.3 5.000	85.9 70	130	
Sample ID: MB-44646	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics	
Client ID: PBS	Batch ID: 44646	RunNo: 59644		
Prep Date: 5/3/2019	Analysis Date: 5/6/2019	SeqNo: 2010649	Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

IKEPURI	WO#:	1905227	
ital Analysis Laboratory, Inc.		07-May-19	

Client: ENSOLU Project: Blanco St										
Sample ID: 1905227-001AMS	SampT	уре: М	3	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: S-24	Batch	n ID: 44	727	F	RunNo: 5 9	9644				
Prep Date: 5/6/2019	Analysis D	oate: 5/	6/2019	S	SeqNo: 2	011113	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	180	9.7	48.69	154.4	43.0	53.5	126			S
Surr: DNOP	4.3		4.869		88.0	70	130			
Sample ID: 1905227-001AMSI) SampT	ype: MS	SD	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: S-24	Batch	n ID: 44	727	F	RunNo: 5	9644				
Prep Date: 5/6/2019	Analysis D)ate: 5/	6/2019	S	SeqNo: 2	011114	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	170	9.8	48.88	154.4	24.2	53.5	126	5.35	21.7	S
Surr: DNOP	4.1		4.888		83.8	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

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

Page 11 of 14

WO#:	1905	5227

07-May-19

	NSOLUM									
Project: B	lanco Storage									
Sample ID: 1905227-0	001A MS Samp	Туре: МS	5	Tes	tCode: El	PA Method	8015D: Gaso	ine Rang	e	
Client ID: S-24	Bato	h ID: G5	9659	F	RunNo: 5	9659				
Prep Date:	Analysis I	Date: 5/	6/2019	5	SeqNo: 2	011194	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (C	GRO) 130	21	107.2	22.13	96.4	69.1	142			
Surr: BFB	6100		4288		143	73.8	119			S
Sample ID: 2.5UG GR	OLCS Samp	Туре: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	ine Rang	e	
Client ID: LCSS	Bato	h ID: G5	9659	F	RunNo: 5	9659				
Prep Date:	Analysis I	Date: 5/	6/2019	5	SeqNo: 2	011208	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (C	GRO) 24	5.0	25.00	0	94.7	80.1	123			
Surr: BFB	1100		1000		108	73.8	119			
Sample ID: RB	Samp	Туре: МЕ	BLK	Tes	tCode: El	PA Method	8015D: Gaso	ine Rang	e	
Client ID: PBS	Bato	h ID: G5	9659	F	RunNo: 5	9659				
Prep Date:	Analysis I	Date: 5/	6/2019	S	SeqNo: 2	011209	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (C	GRO) ND	5.0								
Surr: BFB	940		1000		94.5	73.8	119			
Sample ID: LCS-4470	5 Samp	Туре: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	ine Rang	e	
Client ID: LCSS	Bato	h ID: 447	705	F	RunNo: 5	9659				
Prep Date: 5/3/2019	Analysis I	Date: 5/	7/2019	5	SeqNo: 2	011491	Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		105	73.8	119			
Sample ID: MB-44705	Samp	Туре: МЕ	BLK	Tes	tCode: El	PA Method	8015D: Gasol	ine Rang	e	
Client ID: PBS	Bato	h ID: 447	705	F	RunNo: 5	9659				
Prep Date: 5/3/2019	Analysis I	Date: 5/	7/2019	S	SeqNo: 2	011493	Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	910		1000		91.1	73.8	119			
Sample ID: 1905227-0	01A MSD Samp	Туре: МS	D	Tes	tCode: El	PA Method	8015D: Gasol	ine Rang	e	
Client ID: S-24		h ID: G5			RunNo: 5					
Prep Date:	Analysis I				SeqNo: 2		Units: mg/K	g		
Analyte	Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (C		21	107.2	22.13	95.1	69.1	142	1.13	20	
Surr: BFB	5800		4288		135	73.8	119	0	0	S

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

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

WO#:	1905227

07-May-19

Client:	ENSOLU	M									
Project:	Blanco St	orage									
Sample ID:	100NG BTEX LCS	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID:	LCSS	Batch	n ID: R5	9659	F	RunNo: 5 9	9659				
Prep Date:		Analysis D	ate: 5/	6/2019	S	SeqNo: 20	011244	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.90	0.025	1.000	0	89.7	80	120			
Toluene		0.92	0.050	1.000	0	91.7	80	120			
Ethylbenzene		0.91	0.050	1.000	0	91.4	80	120			
Xylenes, Total		2.8	0.10	3.000	0	91.7	80	120			
Surr: 4-Brom	nofluorobenzene	0.94		1.000		94.3	80	120			
Sample ID:	RB	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID:	PBS	Batch	n ID: R5	9659	F	RunNo: 5 9	9659				
Prep Date:		Analysis D	ate: 5/	6/2019	S	SeqNo: 20	011255	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Brom	nofluorobenzene	0.92		1.000		92.0	80	120			
Sample ID:	LCS-44705	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID:	LCSS	Batch	n ID: 44	705	F	RunNo: 5 9	9659				
Prep Date:	5/3/2019	Analysis D	ate: 5/	7/2019	S	SeqNo: 20	011515	Units: %Red	;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Brom	nofluorobenzene	0.91		1.000		91.2	80	120			
Sample ID:	MB-44705	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID:	PBS	Batch	n ID: 44	705	F	RunNo: 5 9	9659				
Prep Date:	5/3/2019	Analysis D	ate: 5/	7/2019	S	SeqNo: 20	011516	Units: %Red	;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Brom	nofluorobenzene	0.90		1.000		89.5	80	120			
Sample ID:	1905227-002A MS	SampT	ype: M S	6	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID:	S-25	Batch	n ID: R5	9659	F	RunNo: 5 9	9659				
Prep Date:		Analysis D	ate: 5/	6/2019	5	SeqNo: 20	012538	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		4.0	0.12	4.717	0.05708	83.5	63.9	127			
Toluene		4.1	0.24	4.717	0.05094	85.8	69.9	131			
Ethylbenzene		4.3	0.24	4.717	0.2505	86.5	71	132			

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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Client:	ENSOLUM	1
Project:	Blanco Stor	rage
Sample ID: 1005	007 000A MC	SomeTupo

Sample ID: 1905227-002A MS	SampT	Гуре: МS	6	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: S-25	Batch	h ID: R5	9659	F	RunNo: 5 9	9659				
Prep Date:	Analysis D	Date: 5/	6/2019	S	SeqNo: 2	012538	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	4.4		4.717		94.2	80	120			
Sample ID: 1905227-002A MS	D SampT	Гуре: МS	SD.	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: S-25	Batch	h ID: R5	9659	F	RunNo: 5	9659				
Prep Date:	Analysis D	Date: 5/	6/2019	S	SeqNo: 2	012539	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	3.9	0.12	4.717	0.05708	81.7	63.9	127	2.16	20	
Toluene	4.0	0.24	4.717	0.05094	83.5	69.9	131	2.60	20	
Ethylbenzene	4.2	0.24	4.717	0.2505	84.2	71	132	2.56	20	
Xylenes, Total	13	0.47	14.15	0.6075	85.8	71.8	131	1.72	20	
Surr: 4-Bromofluorobenzene	4.4		4.717		93.0	80	120	0	0	

- * 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

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

Page 14 of 14

WO#: **1905227**

07-May-19

	Page	202	of 384	ļ
--	------	-----	--------	---

.

eived by OCD: 8/15/2023 10:45:18 AM HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmen A TEL: 505-345-39	tal Analysis Labor 4901 Hawki Ilbuquerque, NM & 75 FAX: 505-345 hallenvironmenta	ns NE 87109 San -4107	nple Log-In Cl	Pag neck List
Client Name: ENSOLUM AZTEC	Work Order Numb	er: 1905227		RcptNo:	1
Received By: Isaiah Ortiz	5/4/2019 8:50:00 AM	Л	INC	2	
Completed By: Isaiah Ortiz	5/4/2019 9:41:21 AM	1	I_C I_C	L	
Reviewed By: CB MA	s q				
Chain of Custody					
1. Is Chain of Custody complete?		Yes 🗸	No 🗌	Not Present	
2. How was the sample delivered?		<u>Courier</u>			
Log In					
3. Was an attempt made to cool the sample	es?	Yes 🗹	No 🗔		
4. Were all samples received at a temperat	ure of >0° C to 6.0°C	Yes 🔽	No 🗌		
5. Sample(s) in proper container(s)?		Yes 🗸	No 🗌		
6. Sufficient sample volume for indicated tes	st(s)?	Yes 🗸	No		
7. Are samples (except VOA and ONG) prop	perly preserved?	Yes 🗸	No 🗌		
8. Was preservative added to bottles?		Yes	No 🗸	NA 🗌	
9. VOA vials have zero headspace?		Yes	No 🗌	No VOA Vials 🗹	
10. Were any sample containers received bro	oken?	Yes	No 🗹	# of preserved	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗸	No 🗌	bottles checked for pH:	12 unless noted
12. Are matrices correctly identified on Chain	of Custody?	Yes 🗸	No 🗌	Adjusted?	
13. 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:	
<u>Special Handling (if applicable)</u>					
15. Was client notified of all discrepancies w	th this order?	Yes	No 🗌	NA 🗸	
Person Notified:	Date:				
By Whom:	Via:	eMail P	hone 🗌 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		
1 2.4 Good	ſes				

Page 1 of 1

Kecei			UD: 8	/15/.	2023	10:	•45:18	AM																		age 2	\ \	584
ŀ	AALL ENVIKONMENIAL ANALYSIS LABORATOR	1	÷																			12		-	20	51-12		I report.
	YSIS LABORAT	1	Albuquerque, NM 87109	20									-		k		-								19	S V	5	nalytica
		u de	III 8	Fax 505-345-4107	it			28		21	,11	142	\succ	-	_						ik "		3		1	\sum		n the a
0	ZZ		ue, N	5-345	Request	(ìn	9sdA	ļuəs) DO letoT													0			tated o
110	N S	- mu	Inerg	< 50;	s Re				(A			V) 0728									-				R			arly no
	l'IS	nviro	Albuc	Fax	Analysis	†0	S ¹⁷ O	J ⁵				CI' E' B													200	CAC		l be cle
	5	halle			An		3 00																		on lon	121		lata wil
4		www hallenvironmental com	4901 Hawkins NE	505-345-3975			SWIS	5200				d sHA9													0	200		acted c
		-	awki	5-34				(1	.40	g po	oqţə	M) 803													1 4	E H		b-contr
			01 H	Tel. 50								94 1808													Remarks: Pm	AFIE		Any su
		12	49	Ĕ								08:H9T		!	_					-					nark	X		ibility.
						(1	S08) ;	AB-	H /	BE	ΞW	/ XJT8	\times	-			_	_	_	-					Rer			is poss
100 20	5-6-19		262	a (13		SIZ	1	ON D		2.4.2	19 OS 727	-001	-001	-003	-004	-COS	200-	-00-	- 00%			uption of the second se		5/3/19 1318	Date Time		. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
d Time:	d 🖄 Rush	ne:	neo Stai		,09881 H	lager:	Suma	1 040m	Yes	}		Preservative Type	Coo 1												Via:	Via:	- CDURE	accredited laboratories.
Turn-Around	□ Standard	Project Name	Blanco	Project #:	054	Project Manager:	X	Sampler:		# of Coolers:	Cooler Temp(including CF):	Container Type and #	1402							/					Received by:	Received by:	0~1	contracted to other
Chain-of-Custody Record	Ensolum		love S Rio Grande	Aztec Non								Matrix Sample Name		56-5	5-26	5-27	5-28	8-29	5-30	1 5-31					Relinquished by:		UNIVERSITY UNULS	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories.
Chain.			Mailing Address:	1 A.	e #:	email or Fax#:	QA/QC Package:	Accreditation:	LAC	EDD (Type)		Time	1000	1005	1010	1015	1090	1035	1030	1035					тіте: /3ј §			
)	Client:		Mailin	SU	Phone #:	email	QA/QC	Accre				Date	5/3/19												Date: $S_{3/q}$	Date:	13/19	NC 1



May 14, 2019

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX

RE: Blanco Storage

OrderNo.: 1905367

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 2 sample(s) on 5/8/2019 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1905367

Date Reported: 5/14/2019

CLIENT: ENSOLUM		Cl	ient Sa	ample II	D: S-3	32	
Project: Blanco Storage		(Collect	ion Dat	e: 5/7	7/2019 10:00:00 AM	
Lab ID: 1905367-001	Matrix: SOIL		Recei	ved Dat	e: 5/8	8/2019 7:40:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: MRA
Chloride	ND	60		mg/Kg	20	5/8/2019 6:24:19 PM	44802
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analys	t: JME
Diesel Range Organics (DRO)	15	9.5		mg/Kg	1	5/9/2019 9:14:52 AM	44799
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/9/2019 9:14:52 AM	44799
Surr: DNOP	127	70-130		%Rec	1	5/9/2019 9:14:52 AM	44799
EPA METHOD 8015D: GASOLINE RANG	E					Analys	t: NSB
Gasoline Range Organics (GRO)	9.0	4.7		mg/Kg	1	5/8/2019 3:43:42 PM	G59737
Surr: BFB	173	73.8-119	S	%Rec	1	5/8/2019 3:43:42 PM	G59737
EPA METHOD 8021B: VOLATILES						Analys	t: NSB
Benzene	ND	0.024		mg/Kg	1	5/8/2019 3:43:42 PM	B59737
Toluene	ND	0.047		mg/Kg	1	5/8/2019 3:43:42 PM	B59737
Ethylbenzene	0.095	0.047		mg/Kg	1	5/8/2019 3:43:42 PM	B59737
Xylenes, Total	ND	0.095		mg/Kg	1	5/8/2019 3:43:42 PM	B59737
Surr: 4-Bromofluorobenzene	91.2	80-120		%Rec	1	5/8/2019 3:43:42 PM	B59737

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 7

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1905367

Date Reported: 5/14/2019

CLIENT: ENSOLUM		Cl	ient Sa	mple II	D: S-3	33	
Project: Blanco Storage		(Collect	ion Dat	e: 5/7	7/2019 10:05:00 AM	
Lab ID: 1905367-002	Matrix: SOIL		Receiv	ved Dat	e: 5/8	8/2019 7:40:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	ND	61		mg/Kg	20	5/8/2019 6:36:44 PM	44802
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	: JME
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	5/9/2019 9:38:09 AM	44799
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/9/2019 9:38:09 AM	44799
Surr: DNOP	115	70-130		%Rec	1	5/9/2019 9:38:09 AM	44799
EPA METHOD 8015D: GASOLINE RANGE	E					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.3		mg/Kg	1	5/8/2019 4:06:19 PM	G59737
Surr: BFB	116	73.8-119		%Rec	1	5/8/2019 4:06:19 PM	G59737
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.022		mg/Kg	1	5/8/2019 4:06:19 PM	B59737
Toluene	ND	0.043		mg/Kg	1	5/8/2019 4:06:19 PM	B59737
Ethylbenzene	ND	0.043		mg/Kg	1	5/8/2019 4:06:19 PM	B59737
Xylenes, Total	ND	0.087		mg/Kg	1	5/8/2019 4:06:19 PM	B59737
Surr: 4-Bromofluorobenzene	90.5	80-120		%Rec	1	5/8/2019 4:06:19 PM	B59737

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 7

Client:	ISOLUM
Project:	anco Storage
Sample ID: MB-448	SampType: mblk TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 44802 RunNo: 59749
Prep Date: 5/8/20	Analysis Date: 5/8/2019 SeqNo: 2014969 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND 1.5
Sample ID: LCS-44	2 SampType: Ics TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 44802 RunNo: 59749
Prep Date: 5/8/20	Analysis Date: 5/8/2019 SeqNo: 2014970 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	15 1.5 15.00 0 99.1 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

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

Page 3 of 7

1905367

14-May-19

WO#:

Client: ENSOI Project: Blanco	LUM Storage									
Sample ID: MB-44799	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	n ID: 44	799	R	RunNo: 5	9748				
Prep Date: 5/8/2019	Analysis D	ate: 5/	9/2019	S	SeqNo: 2	015084	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		109	70	130			
Sample ID: LCS-44799	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch	n ID: 44	799	R	RunNo: 5	9748				
Prep Date: 5/8/2019	Analysis D	ate: 5/	9/2019	S	SeqNo: 2	015085	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	57	10	50.00	0	115	63.9	124			
Surr: DNOP	4.9		5.000		99.0	70	130			

- * 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

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

 WO#:
 1905367

 sis Laboratory, Inc.
 14-May-19

Released to Imaging: 1/30/2024 3:00:11 PM

1905367

14-May-19

WO#:

	-		-						14-111uy-
Client: ENSC	DLUM								
	o Storage								
Sample ID: RB	SampType: M	BLK	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID: PBS	Batch ID: G		F	RunNo: 5	9737				
Prep Date:	Analysis Date: 5	/8/2019	S	SeqNo: 2	014601	Units: mg/K	(g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND 5.0			,			,		
Surr: BFB	890	1000		88.6	73.8	119			
Sample ID: 2.5UG GRO L	CS2 SampType: LO	cs	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID: LCSS	Batch ID: G	59737	F	RunNo: 5	9737				
Prep Date:	Analysis Date: 5	/8/2019	S	SeqNo: 2	014602	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22 5.0		0	89.7	80.1	123			
Surr: BFB	1100	1000		107	73.8	119			
Sample ID: 1905367-001A	MS SampType: M	s	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	е	
Client ID: S-32	Batch ID: G	59737	F	RunNo: 5	9737				
Prep Date:	Analysis Date: 5	/8/2019	5	SeqNo: 2	014606	Units: mg/K	(g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30 4.7		8.988	88.9	69.1	142			
Surr: BFB	1800	946.1		194	73.8	119			S
Sample ID: 1905367-001A	MSD SampType: M	SD	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	е	
Client ID: S-32	Batch ID: G	59737	F	RunNo: 5	9737				
Prep Date:	Analysis Date: 5	/8/2019	5	SeqNo: 2	014607	Units: mg/K	(g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29 4.7	23.65	8.988	86.2	69.1	142	2.17	20	
Surr: BFB	1800	946.1		189	73.8	119	0	0	S
Sample ID: MB-44697	SampType: M	BLK	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID: PBS	Batch ID: 44	697	F	RunNo: 5	9737				
Prep Date: 5/2/2019	Analysis Date: 5	/8/2019	S	SeqNo: 2	014611	Units: %Re	C		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	910	1000		91.2	73.8	119			
Sample ID: LCS-44697	SampType: L(CS	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batch ID: 44	697		RunNo: 5			U		
Prep Date: 5/2/2019	Analysis Date: 5	/8/2019		SeqNo: 2		Units: %Re	C		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000	1000		104	73.8	119			

Qualifiers:

Value exceeds Maximum Contaminant Level. *

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

в Analyte detected in the associated Method Blank

Е Value above quantitation range

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 5 of 7

ENSOLUM

Blanco Storage

Client:

Project:

Sample ID: RB

Client ID: PBS

Prep Date:

Analyte

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc

Result

SampType: MBLK

Analysis Date: 5/8/2019

Batch ID: B59737

PQL

	WO#: 1905367
Inc.	14-May-19
TestCode: EPA Method 8021E	3: Volatiles
RunNo: 59737	
SeqNo: 2014716 Units	: mg/Kg

%RPD

RPDLimit

Qual

HighLimit

Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	0.87		1.000		87.1	80	120				
Sample ID: 100NG BTEX LCS	Samp	Type: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles			
Client ID: LCSS	Batc	h ID: B5	9737	F	RunNo: 5	9737					
Prep Date:	Analysis [Date: 5/	8/2019	5	SeqNo: 2	014717	Units: mg/h	٢g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	1.1	0.025	1.000	0	106	80	120				
Toluene	0.93	0.050	1.000	0	92.8	80	120				
Ethylbenzene	0.92	0.050	1.000	0	91.6	80	120				
Xylenes, Total	2.7	0.10	3.000	0	90.5	80	120				
Surr: 4-Bromofluorobenzene	0.99		1.000		98.7	80	120				
Sample ID: 1905367-002A MS	I905367-002A MS SampType: MS TestCode: EPA Method 8021B: Volatiles										
Client ID: S-33	Batc	h ID: B5	1.000 98.7 80 120 ype: MS TestCode: EPA Method 8021B: Volatiles ID: B59737 RunNo: 59737								
Prep Date:	Analysis [Date: 5/	8/2019	5	SeqNo: 2	014722	Units: mg/k	٢g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.95	0.022	0.8673	0	109	63.9	127				
Toluene	0.80	0.043	0.8673	0	92.7	69.9	131				
Ethylbenzene	0.84	0.043	0.8673	0.03844	92.9	71	132				
Xylenes, Total	2.4	0.087	2.602	0.07224	91.1	71.8	131				
Surr: 4-Bromofluorobenzene	0.85		0.8673		97.7	80	120				
Sample ID: 1905367-002A MS	D Samp	Гуре: МS	SD	Tes	tCode: El						
Client ID: S-33	Batc	h ID: B5	9737	F	RunNo: 5	9737					
Prep Date:	Analysis [Date: 5/	8/2019	5	SegNo: 2	014723	Units: mg/k	٢g			

SPK value SPK Ref Val %REC LowLimit

Prep Date:	Analysis Date: 5/8/2019			S	SeqNo: 2	014723	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.71	0.022	0.8673	0	82.2	63.9	127	28.2	20	R
Toluene	0.80	0.043	0.8673	0	92.4	69.9	131	0.333	20	
Ethylbenzene	0.82	0.043	0.8673	0.03844	90.7	71	132	2.28	20	
Xylenes, Total	2.4	0.087	2.602	0.07224	89.0	71.8	131	2.29	20	
Surr: 4-Bromofluorobenzene	0.85		0.8673		97.9	80	120	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

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

0.94

Client: Project:	ENSOL Blanco										
Sample ID: MB-44697 SampType: MBLK TestCode: EPA Method 8021B: Volatiles											
Client ID: PBS	4037	•	n ID: 44			RunNo: 5		0021D. V01at	lies		
Prep Date: 5/2/	2019	Analysis D	Date: 5	/8/2019	S	SeqNo: 2	014726	Units: %Rec	;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluoro	benzene	0.87		1.000		87.3	80	120			
Sample ID: LCS-	44697	SampT	ype: LC	s	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCS	5	Batcl	n ID: 44	697	F	RunNo: 5	9737				
Prep Date: 5/2/	2019	Analysis D	Date: 5	/8/2019	ŝ	SeqNo: 2	014727	Units: %Rec	;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

94.2

80

120

1.000

Surr: 4-Bromofluorobenzene

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

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

Page 7 of 7

WO#: **1905367** *14-May-19*

ANALY	ONMENT (SIS RATORY			L: 505-345-3 Website: www	Albuquerqu 975 FAX: 5	05-345-	7109 Sai 4107	mple Log-In C	heck List
Client Name:	ENSOLUN	AZTEC	Work	Order Num	ber: 1905	67		RcptNo:	1
Received By:	Yazmine	Garduno	5/8/201	9 7:40:00 A	м		Yazmiri lifnda	б	
Completed By:	Yazmine	Garduno		9 8:16:19 A 9	М		Azaraire literatur	б	
Reviewed By:	1D 51	8/19		U					
Chain of Cust	tody								
1. Is Chain of Cu	istody comp	olete?			Yes	\checkmark	No 🗌	Not Present	
2. How was the s	sample deliv	vered?			Couri	<u>er</u>			
Log In						-			
3. Was an attem	pt made to o	cool the samp	es?		Yes		No 🗌	NA 🗌	
4. Were all samp	les received	l at a tempera	ture of >0° C	to 6.0°C	Yes		No 🗌		
5. Sample(s) in p	oroper conta	iner(s)?			Yes		No 🗌		
6. Sufficient sam	ole volume f	for indicated te	st(s)?		Yes		No 🗌		
7. Are samples (e	except VOA	and ONG) pro	perly preserve	ed?	Yes		No 🗌		
Was preservat	ive added to	bottles?			Yes		No 🗹	NA 🗌	
9. VOA vials have	e zero heads	space?			Yes		No 🗌	No VOA Vials 🗹	
0. Were any sam			roken?		Yes		No 🗹	# of preserved bottles checked	
11. Does paperwor (Note discrepa			i i		Yes		No 🗔	for pH: (<2 or	>12 unless noted)
2. Are matrices co	orrectly iden	tified on Chair	n of Custody?		Yes	/	No 🗌	Adjusted?	
3. Is it clear what	analyses we	ere requested	?		Yes	/	No 🗌		0 10 - 0
4. Were all holdin (If no, notify cu					Yes		No 🗌	Checked by:	AD 5/8/19
Special Handli	ng (if app	olicable)							
15. Was client not	ified of all di	iscrepancies v	vith this order?	>	Yes		No 🗌	NA 🗸	
Person N	Notified:	[Date:					
By Whor	n:	[Via:	🗌 eMai	🗌 P	hone 🗌 Fax	In Person	
Regardir		[
	structions:	1							
16. Additional rem	narks:								
17. <u>Cooler Inform</u>		0							
Cooler No 1	Temp °C 2.4	Condition Good	Seal Intact Yes	Seal No	Seal Dat	9	Signed By		
2	1.4	Good	Yes						

Hall Environmental Analysis Laboratory

Page 1 of 1

Received by OCD: 8/15/2023 10:45:18 AM

HALL

Recei	ived b	y 0	CD: 8	/15/.	2023	10.	:45:18	AM																Pa	ge 213 (of 384
	2	ø			-44 																					
Ì	HALL ENVIKONMENTAL ANALYSIS LABORATOR)				_							_													port.
ĺ	ENVIKONMENT YSIS LABORATO	- 	60			-											_			-						tical re
1		í)	8710	107			00	e i	7.0	101	47	~ .						1	1	_			-	-		analy
(MN	15-4	st	(10			/	(Total Co	×	X					-	Ē	12						on the
ĺ	Z Z		www.riaiieiiviioliiiieiitali.colli ins NE - Albuquerque, NM 87109	505-345-4107	Request						S) 0728													6		otated
	2 S		duer	- 20 IX 50	is R	-					V) 0528	_							-					27	A	early n
Î	S IS		Albu	Fax	Analysis	*0	S (≱O4	' ⁷ 0N			CI' E' B			-									-	grod	HC	Il be cl
	L'H				An	_					8 AЯЭЯ									-				F	11.	lata wi
6	ANAL		4901 Hawkins NE -	505-345-3975		-	SWIS		_		d sHA9													Tom	6	acted o
			awkin	5-34				(1.40	g po	ethc	M) 803													· ×	Ħ	-contra
			11 Ha	I. 50			PCB's	2808\	səbi	oite	∋9 1808													pla :	Г U O	ny sub
			490	Tel.		(0	אש / o	о / DB	ี่ 29)	12D(08:H9T	×	X											arks	4	ility. A
						(1	.208) s	AMB.	38	ŦΜ	/ XJT8	+	X											Remarks:		possib
83				7					1	100															С	of this
Dag	00		0.1								9.7													Time 1 338	ime 7.4	This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report
			2							Jh.	AL S	5	202											3	L .	les as
Nex+	1		orage		J		5	No		1.1	HEAL NO.	1	9		×	в.				3		- 2		$5/_{1/1}$	Date	iis serv
Ne	S		to		40	14	5			JH.											5			41	N.	
	🖉 Rush		5		0		SUMMERS	DAPONT		5	Preservative Type													L	65	oratori
e.			0		0		3	C Dr		ing CF)	serv	pac	1							1		-		- ai	Via:	ted lab
I Time:	-		Blance		RHODEEN A	Project Manager:	S	OP		Cooler Temp(including CF):	Prese Type	000			1									Via:	Via:	accredi
Turn-Around	Standard	Project Name:	310		50	Mana	Ň	e	# of Coolers:	Temp	er d #													by: At	by:	other a
'n-Ar	Star	ject	1	Project #:	0	ject		Sampler: On Ice:	Coc	oler 7	Container Type and #	102	~											Received by	Received by:	ted to
TuL		Pro		Pro		Pro		Sar	# 01	ő	Cor	14												C	Rece	contrac
			3				(uo																		\bigcirc	e subo
ord			2~0				lidati																			may b
000			Gearde	{			ll Va				ne	Ч	M											Д		mental
Ř				Nu			t (Fu				Nar	33	5-3											X	P	inviron
dy			2,00				vel 2	JCe			ple	5	S											Nº.		Hall E
sto	5		S	12400			Level 4 (Full Validation)	Az Compliance Other			Sample Name													by:	in the	itted to
ü C	Ś	-	9	Az																		_		lished	lished	subm
Chain-of-Custody Record	Ensolum		606					□ Az Col			Matrix	\sim	2											Relinquished by:	Relinquished by	, samples submitted to Hall Environmental may be subconfracted to other accredited laboratories.
<u>n</u>	7		ess:	A		#	ge:			-	·	D	5			_				-						sary, s
hal	12		Addr	+ .	4.1	Fax	acka Jard	ation	(Typ		Time	10.00	10 85											Time: 133&	Time:	If necessary
C	Client:		Mailing Address:	Su: +	Phone #:	email or Fax#:	QA/QC Package:	Accreditation:	EDD (Type)		0	119	5/1/19											6	5	, <u>"</u>
	Cli		Ma		Pho	em	QA D	Acc			Date	14/5	5											Date:	Date:]



June 13, 2019

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX

RE: Blanco Storage

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

OrderNo.: 1906575

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 12 sample(s) on 6/12/2019 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1906575

Date Reported: 6/13/2019

CLIENT: ENSOLUM		Cl	ient Sample II): S-2	34							
Project: Blanco Storage		(Collection Dat	e: 6/1	1/2019 9:00:00 AM							
Lab ID: 1906575-001	Matrix: SOIL	Received Date: 6/12/2019 8:00:00 AM										
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch						
EPA METHOD 300.0: ANIONS					Analyst	MRA						
Chloride	ND	60	mg/Kg	20	6/12/2019 10:52:15 AM	45527						
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	ТОМ						
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	6/12/2019 10:12:05 AM	45525						
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/12/2019 10:12:05 AM	45525						
Surr: DNOP	84.1	70-130	%Rec	1	6/12/2019 10:12:05 AM	45525						
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	NSB						
Gasoline Range Organics (GRO)	ND	3.6	mg/Kg	1	6/12/2019 9:29:04 AM	45518						
Surr: BFB	102	73.8-119	%Rec	1	6/12/2019 9:29:04 AM	45518						
EPA METHOD 8021B: VOLATILES					Analyst	NSB						
Benzene	ND	0.018	mg/Kg	1	6/12/2019 9:29:04 AM	45518						
Toluene	ND	0.036	mg/Kg	1	6/12/2019 9:29:04 AM	45518						
Ethylbenzene	ND	0.036	mg/Kg	1	6/12/2019 9:29:04 AM	45518						
Xylenes, Total	ND	0.073	mg/Kg	1	6/12/2019 9:29:04 AM	45518						
Surr: 4-Bromofluorobenzene	94.6	80-120	%Rec	1	6/12/2019 9:29:04 AM	45518						

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 19

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1906575

Date Reported: 6/13/2019

CLIENT: ENSOLUM	Client Sample ID: S-35										
Project: Blanco Storage		(Collection Dat	e: 6/1	11/2019 9:05:00 AM						
Lab ID: 1906575-002	Matrix: SOIL		Received Date	ate: 6/12/2019 8:00:00 AM							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch					
EPA METHOD 300.0: ANIONS					Analyst	MRA					
Chloride	ND	60	mg/Kg	20	6/12/2019 11:04:40 AM	45527					
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	TOM					
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	6/12/2019 10:36:32 AM	45525					
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	6/12/2019 10:36:32 AM	45525					
Surr: DNOP	82.2	70-130	%Rec	1	6/12/2019 10:36:32 AM	45525					
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB					
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	6/12/2019 9:51:45 AM	45518					
Surr: BFB	101	73.8-119	%Rec	1	6/12/2019 9:51:45 AM	45518					
EPA METHOD 8021B: VOLATILES					Analyst	: NSB					
Benzene	ND	0.023	mg/Kg	1	6/12/2019 9:51:45 AM	45518					
Toluene	ND	0.046	mg/Kg	1	6/12/2019 9:51:45 AM	45518					
Ethylbenzene	ND	0.046	mg/Kg	1	6/12/2019 9:51:45 AM	45518					
Xylenes, Total	ND	0.092	mg/Kg	1	6/12/2019 9:51:45 AM	45518					
Surr: 4-Bromofluorobenzene	94.1	80-120	%Rec	1	6/12/2019 9:51:45 AM	45518					

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

Page 2 of 19
Hall Environmental Analysis Laboratory, Inc.

Lab Order 1906575

Date Reported: 6/13/2019

CLIENT: ENSOLUM	Client Sample ID: S-36							
Project: Blanco Storage		(Collection Dat	e: 6/1	11/2019 9:10:00 AM			
Lab ID: 1906575-003	Matrix: SOIL Received Date: 6/12/2019 8:00:00 AM							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	MRA		
Chloride	ND	60	mg/Kg	20	6/12/2019 11:17:05 AM	45527		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	том		
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	6/12/2019 11:01:06 AM	45525		
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/12/2019 11:01:06 AM	45525		
Surr: DNOP	82.8	70-130	%Rec	1	6/12/2019 11:01:06 AM	45525		
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB		
Gasoline Range Organics (GRO)	ND	4.3	mg/Kg	1	6/12/2019 10:14:25 AM	45518		
Surr: BFB	105	73.8-119	%Rec	1	6/12/2019 10:14:25 AM	45518		
EPA METHOD 8021B: VOLATILES					Analyst	: NSB		
Benzene	ND	0.021	mg/Kg	1	6/12/2019 10:14:25 AM	45518		
Toluene	ND	0.043	mg/Kg	1	6/12/2019 10:14:25 AM	45518		
Ethylbenzene	ND	0.043	mg/Kg	1	6/12/2019 10:14:25 AM	45518		
Xylenes, Total	ND	0.086	mg/Kg	1	6/12/2019 10:14:25 AN	45518		
Surr: 4-Bromofluorobenzene	101	80-120	%Rec	1	6/12/2019 10:14:25 AM	45518		

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL Reporting Limit
- Page 3 of 19

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1906575

Date Reported: 6/13/2019

CLIENT: ENSOLUM		Cl	ient Sample I	D: S-1	37				
Project: Blanco Storage	Collection Date: 6/11/2019 9:15:00 AM								
Lab ID: 1906575-004	Matrix: SOIL Received Date: 6/12/2019 8:00:00 .								
Analyses	Result	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analyst	MRA			
Chloride	ND	60	mg/Kg	20	6/12/2019 11:29:30 AM	45527			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	ТОМ			
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	6/12/2019 11:25:33 AM	45525			
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	6/12/2019 11:25:33 AM	45525			
Surr: DNOP	101	70-130	%Rec	1	6/12/2019 11:25:33 AM	45525			
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB			
Gasoline Range Organics (GRO)	ND	4.5	mg/Kg	1	6/12/2019 10:37:04 AM	45518			
Surr: BFB	105	73.8-119	%Rec	1	6/12/2019 10:37:04 AM	45518			
EPA METHOD 8021B: VOLATILES					Analyst	NSB			
Benzene	ND	0.022	mg/Kg	1	6/12/2019 10:37:04 AM	45518			
Toluene	ND	0.045	mg/Kg	1	6/12/2019 10:37:04 AM	45518			
Ethylbenzene	ND	0.045	mg/Kg	1	6/12/2019 10:37:04 AM	45518			
Xylenes, Total	ND	0.090	mg/Kg	1	6/12/2019 10:37:04 AM	45518			
Surr: 4-Bromofluorobenzene	98.3	80-120	%Rec	1	6/12/2019 10:37:04 AM	45518			

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

Page 4 of 19

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1906575

Date Reported: 6/13/2019

CLIENT: ENSOLUM	Client Sample ID: S-38							
Project: Blanco Storage		(Collect	ion Dat	e: 6/1	11/2019 9:20:00 AM		
Lab ID: 1906575-005	Matrix: SOIL Received Date: 6/12/2019 8:00							
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS						Analyst	MRA	
Chloride	ND	60		mg/Kg	20	6/12/2019 11:41:55 AM	45527	
EPA METHOD 8015M/D: DIESEL RANGE	E ORGANICS					Analyst	ТОМ	
Diesel Range Organics (DRO)	96	9.6		mg/Kg	1	6/12/2019 11:50:09 AM	45525	
Motor Oil Range Organics (MRO)	74	48		mg/Kg	1	6/12/2019 11:50:09 AM	45525	
Surr: DNOP	92.1	70-130		%Rec	1	6/12/2019 11:50:09 AM	45525	
EPA METHOD 8015D: GASOLINE RANG	E					Analyst	NSB	
Gasoline Range Organics (GRO)	21	21		mg/Kg	5	6/12/2019 10:59:47 AM	45518	
Surr: BFB	165	73.8-119	S	%Rec	5	6/12/2019 10:59:47 AM	45518	
EPA METHOD 8021B: VOLATILES						Analyst	NSB	
Benzene	ND	0.10		mg/Kg	5	6/12/2019 10:59:47 AM	45518	
Toluene	ND	0.21		mg/Kg	5	6/12/2019 10:59:47 AM	45518	
Ethylbenzene	ND	0.21		mg/Kg	5	6/12/2019 10:59:47 AM	45518	
Xylenes, Total	ND	0.41		mg/Kg	5	6/12/2019 10:59:47 AM	45518	
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	5	6/12/2019 10:59:47 AM	45518	

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

Page 5 of 19

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1906575

Date Reported: 6/13/2019

CLIENT: ENSOLUM	Client Sample ID: S-39								
Project: Blanco Storage		(Collect	ion Dat	e: 6/1	11/2019 9:25:00 AM			
Lab ID: 1906575-006	Matrix: SOIL Received Date: 6/12/2019 8:00:00 A								
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS						Analyst:	MRA		
Chloride	ND	60		mg/Kg	20	6/12/2019 11:54:19 AM	45527		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst:	том		
Diesel Range Organics (DRO)	42	9.9		mg/Kg	1	6/12/2019 1:27:26 PM	45525		
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/12/2019 1:27:26 PM	45525		
Surr: DNOP	95.8	70-130		%Rec	1	6/12/2019 1:27:26 PM	45525		
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	NSB		
Gasoline Range Organics (GRO)	ND	23		mg/Kg	5	6/12/2019 11:22:30 AM	45518		
Surr: BFB	127	73.8-119	S	%Rec	5	6/12/2019 11:22:30 AM	45518		
EPA METHOD 8021B: VOLATILES						Analyst:	NSB		
Benzene	ND	0.12		mg/Kg	5	6/12/2019 11:22:30 AM	45518		
Toluene	ND	0.23		mg/Kg	5	6/12/2019 11:22:30 AM	45518		
Ethylbenzene	ND	0.23		mg/Kg	5	6/12/2019 11:22:30 AM	45518		
Xylenes, Total	ND	0.46		mg/Kg	5	6/12/2019 11:22:30 AM	45518		
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	5	6/12/2019 11:22:30 AM	45518		

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

Page 6 of 19

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1906575

Date Reported: 6/13/2019

CLIENT: ENSOLUM		C	ient Sample I	D: S-4	40				
Project: Blanco Storage	Collection Date: 6/11/2019 9:30:00 AM								
Lab ID: 1906575-007	Matrix: SOIL Received Date: 6/12/2019 8:00:00 AM								
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	MRA			
Chloride	ND	59	mg/Kg	20	6/12/2019 12:06:44 PM	45527			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	TOM			
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	6/12/2019 1:03:08 PM	45525			
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	6/12/2019 1:03:08 PM	45525			
Surr: DNOP	91.7	70-130	%Rec	1	6/12/2019 1:03:08 PM	45525			
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	NSB			
Gasoline Range Organics (GRO)	ND	4.0	mg/Kg	1	6/12/2019 11:45:10 AM	45518			
Surr: BFB	106	73.8-119	%Rec	1	6/12/2019 11:45:10 AM	45518			
EPA METHOD 8021B: VOLATILES					Analyst	NSB			
Benzene	ND	0.020	mg/Kg	1	6/12/2019 11:45:10 AM	45518			
Toluene	ND	0.040	mg/Kg	1	6/12/2019 11:45:10 AM	45518			
Ethylbenzene	ND	0.040	mg/Kg	1	6/12/2019 11:45:10 AM	45518			
Xylenes, Total	ND	0.080	mg/Kg	1	6/12/2019 11:45:10 AM	45518			
Surr: 4-Bromofluorobenzene	100	80-120	%Rec	1	6/12/2019 11:45:10 AM	45518			

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 7 of 19

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1906575

Date Reported: 6/13/2019

CLIENT: ENSOLUM	Client Sample ID: S-41							
Project: Blanco Storage			-		1/2019 9:35:00 AM			
Lab ID: 1906575-008	Matrix: SOIL		Received Dat	e: 6 /1	12/2019 8:00:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analys	: MRA		
Chloride	ND	60	mg/Kg	20	6/12/2019 12:43:58 PM	45527		
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analys	TOM		
Diesel Range Organics (DRO)	14	9.6	mg/Kg	1	6/12/2019 12:38:52 PM	45525		
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/12/2019 12:38:52 PM	45525		
Surr: DNOP	91.7	70-130	%Rec	1	6/12/2019 12:38:52 PM	45525		
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	: NSB		
Gasoline Range Organics (GRO)	ND	4.1	mg/Kg	1	6/12/2019 12:07:56 PM	45518		
Surr: BFB	112	73.8-119	%Rec	1	6/12/2019 12:07:56 PM	45518		
EPA METHOD 8021B: VOLATILES					Analys	: NSB		
Benzene	ND	0.020	mg/Kg	1	6/12/2019 12:07:56 PM	45518		
Toluene	ND	0.041	mg/Kg	1	6/12/2019 12:07:56 PM	45518		
Ethylbenzene	ND	0.041	mg/Kg	1	6/12/2019 12:07:56 PM	45518		
Xylenes, Total	0.14	0.082	mg/Kg	1	6/12/2019 12:07:56 PM	45518		
Surr: 4-Bromofluorobenzene	101	80-120	%Rec	1	6/12/2019 12:07:56 PM	45518		

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

в Analyte detected in the associated Method Blank

- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL Reporting Limit
- Page 8 of 19

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1906575

Date Reported: 6/13/2019

CLIENT: ENSOLUM			ient Sample II						
Project: Blanco Storage	Collection Date: 6/11/2019 9:40:00 AM								
Lab ID: 1906575-009	Matrix: SOIL		Received Date	e: 6/1	12/2019 8:00:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	MRA			
Chloride	ND	60	mg/Kg	20	6/12/2019 12:56:22 PM	45527			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	том			
Diesel Range Organics (DRO)	10	9.4	mg/Kg	1	6/12/2019 12:14:38 PM	45525			
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	6/12/2019 12:14:38 PM	45525			
Surr: DNOP	89.3	70-130	%Rec	1	6/12/2019 12:14:38 PM	45525			
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	NSB			
Gasoline Range Organics (GRO)	ND	4.5	mg/Kg	1	6/12/2019 12:30:42 PM	45518			
Surr: BFB	109	73.8-119	%Rec	1	6/12/2019 12:30:42 PM	45518			
EPA METHOD 8021B: VOLATILES					Analyst	NSB			
Benzene	ND	0.022	mg/Kg	1	6/12/2019 12:30:42 PM	45518			
Toluene	ND	0.045	mg/Kg	1	6/12/2019 12:30:42 PM	45518			
Ethylbenzene	ND	0.045	mg/Kg	1	6/12/2019 12:30:42 PM	45518			
Xylenes, Total	ND	0.089	mg/Kg	1	6/12/2019 12:30:42 PM	45518			
Surr: 4-Bromofluorobenzene	101	80-120	%Rec	1	6/12/2019 12:30:42 PM	45518			

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

Page 9 of 19

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1906575

Date Reported: 6/13/2019

CLIENT: ENSOLUM		C	lient Sa	ample II	D: S-4	43			
Project: Blanco Storage	Collection Date: 6/11/2019 9:45:00 AM								
Lab ID: 1906575-010	Matrix: SOIL Received Date: 6/12/2019 8:00:00 A								
Analyses	Result RL Qual Uni		Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS						Analyst	MRA		
Chloride	ND	60		mg/Kg	20	6/12/2019 1:08:47 PM	45527		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	том		
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/12/2019 11:23:37 AM	45525		
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/12/2019 11:23:37 AM	45525		
Surr: DNOP	92.8	70-130		%Rec	1	6/12/2019 11:23:37 AM	45525		
EPA METHOD 8015D: GASOLINE RANGE						Analyst	NSB		
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/12/2019 12:53:29 PM	45518		
Surr: BFB	109	73.8-119		%Rec	1	6/12/2019 12:53:29 PM	45518		
EPA METHOD 8021B: VOLATILES						Analyst	NSB		
Benzene	ND	0.025		mg/Kg	1	6/12/2019 12:53:29 PM	45518		
Toluene	ND	0.050		mg/Kg	1	6/12/2019 12:53:29 PM	45518		
Ethylbenzene	ND	0.050		mg/Kg	1	6/12/2019 12:53:29 PM	45518		
Xylenes, Total	ND	0.10		mg/Kg	1	6/12/2019 12:53:29 PM	45518		
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	6/12/2019 12:53:29 PM	45518		

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 10 of 19

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1906575

Date Reported: 6/13/2019

CLIENT: ENSOLUM		Cl	ient Sample II): S-4	44		
Project: Blanco Storage		(Collection Dat	e: 6/1	1/2019 9:50:00 AM		
Lab ID: 1906575-011	Matrix: SOIL Received Date: 6/12/2019 8:00:00 AM						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	MRA	
Chloride	ND	60	mg/Kg	20	6/12/2019 1:21:12 PM	45527	
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	том	
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	6/12/2019 10:59:35 AM	45525	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/12/2019 10:59:35 AM	45525	
Surr: DNOP	90.9	70-130	%Rec	1	6/12/2019 10:59:35 AM	45525	
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst	NSB	
Gasoline Range Organics (GRO)	ND	4.2	mg/Kg	1	6/12/2019 9:34:03 AM	G60589	
Surr: BFB	94.1	73.8-119	%Rec	1	6/12/2019 9:34:03 AM	G60589	
EPA METHOD 8021B: VOLATILES					Analyst	NSB	
Benzene	ND	0.021	mg/Kg	1	6/12/2019 9:34:03 AM	B60589	
Toluene	ND	0.042	mg/Kg	1	6/12/2019 9:34:03 AM	B60589	
Ethylbenzene	ND	0.042	mg/Kg	1	6/12/2019 9:34:03 AM	B60589	
Xylenes, Total	ND	0.083	mg/Kg	1	6/12/2019 9:34:03 AM	B60589	
Surr: 4-Bromofluorobenzene	98.8	80-120	%Rec	1	6/12/2019 9:34:03 AM	B60589	

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 11 of 19

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1906575

Date Reported: 6/13/2019

CLIENT: ENSOLUM	Client Sample ID: S-45						
Project: Blanco Storage				-		1/2019 9:55:00 AM	
Lab ID: 1906575-012	Matrix: SOIL	12/2019 8:00:00 AM					
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	ND	60		mg/Kg	20	6/12/2019 1:33:37 PM	45527
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst	том
Diesel Range Organics (DRO)	19	9.9		mg/Kg	1	6/12/2019 10:35:30 AM	45525
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/12/2019 10:35:30 AM	45525
Surr: DNOP	93.7	70-130		%Rec	1	6/12/2019 10:35:30 AM	45525
EPA METHOD 8015D: GASOLINE RANG	E					Analyst	NSB
Gasoline Range Organics (GRO)	22	21		mg/Kg	5	6/12/2019 9:57:28 AM	G60589
Surr: BFB	121	73.8-119	S	%Rec	5	6/12/2019 9:57:28 AM	G60589
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.10		mg/Kg	5	6/12/2019 9:57:28 AM	B60589
Toluene	ND	0.21		mg/Kg	5	6/12/2019 9:57:28 AM	B60589
Ethylbenzene	ND	0.21		mg/Kg	5	6/12/2019 9:57:28 AM	B60589
Xylenes, Total	0.57	0.41		mg/Kg	5	6/12/2019 9:57:28 AM	B60589
Surr: 4-Bromofluorobenzene	99.0	80-120		%Rec	5	6/12/2019 9:57:28 AM	B60589

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL Reporting Limit

Page 12 of 19

Client:	ENS	OLUM									
Project:	Blan	co Storage									
Sample ID:	MB-45527	SampT	ype: MI	BLK	Tes	tCode: EP	A Method	300.0: Anion	s		
Client ID:	PBS	Batch	n ID: 45	527	F	RunNo: 60	594				
Prep Date:	6/12/2019	Analysis D	ate: 6/	12/2019	5	SeqNo: 20	51124	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-45527	SampT	ype: LC	s	Tes	tCode: EP	A Method	300.0: Anion	s		
Client ID:	LCSS	Batch	n ID: 45	527	F	RunNo: 60	594				
Prep Date:	6/12/2019	Analysis D	ate: 6/	12/2019	5	SeqNo: 20	51125	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	93.8	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

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

1906575

13-Jun-19

WO#:

WO#:	1906575

13-Jun-19

Client: ENSOLU	M								
Project: Blanco St	torage								
	CompTract		Tee			0045M/D. Dia		Onnenies	
Sample ID: MB-45525	SampType: I					8015M/D: Die	eser Range	eorganics	
Client ID: PBS	Batch ID: 4			RunNo: 6(
Prep Date: 6/12/2019	Analysis Date:	6/12/2019	5	SeqNo: 20	049384	Units: mg/K	g		
Analyte	Result PQI		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)		0 0							
Motor Oil Range Organics (MRO) Surr: DNOP	8.0	10.00		80.0	70	130			
	0.0	10.00		00.0	10	100			
Sample ID: LCS-45525	SampType: I	CS	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch ID: 4	5525	F	RunNo: 6					
Prep Date: 6/12/2019	Analysis Date:	6/12/2019	5	SeqNo: 20	049809	Units: mg/K	g		
Analyte	Result PQI	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47 1	0 50.00	0	93.4	63.9	124			
Surr: DNOP	3.6	5.000		72.1	70	130			
Sample ID: MB-45534	SampType: I	MBLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch ID:	15534	F	RunNo: 6()580				
Prep Date: 6/12/2019	Analysis Date:	6/12/2019	S	SeqNo: 20	049863	Units: %Red			
Analyte	Result PQI	_ SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	Qual		
Surr: DNOP	9.7	10.00		96.8	70	130			
Sample ID: LCS-45534	SampType: I	CS	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch ID: 4	5534		RunNo: 60			Ū	U	
Prep Date: 6/12/2019	Analysis Date:	6/12/2019	S	SeqNo: 20	049866	Units: %Red	;		
Analyte	Result PQI	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.4	5.000		87.9	70	130			
Sample ID: 1906575-001AMS	SampType: I	MS	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: S-34	Batch ID:	5525	F	RunNo: 6(0571				
Prep Date: 6/12/2019	Analysis Date:	6/12/2019	S	SeqNo: 20	050485	Units: mg/K	g		
Analyte	Result PQI	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43 9		0	91.7	57	142			
Surr: DNOP	3.9	4.726		82.5	70	130			
Sample ID: 1906575-001AMSI	SampType: I	MSD	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: S-34	Batch ID:	15525	F	RunNo: 6(0571				
Prep Date: 6/12/2019	Analysis Date:	6/12/2019	S	SeqNo: 20	050486	Units: mg/K	g		
Analyte	Result PQI	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47 9	7 48.64	0	96.0	57	142	7.52	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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 14 of 19

	WO#:	1906575
Hall Environmental Analysis Laboratory, Inc.		13-Jun-19

Client: Project:	ENSOLU. Blanco Ste												
Sample ID:	1906575-001AMSD	SampTy	be: M	SD	Tes	tCode: E	PA Method	8015M/D: Die	esel Range	e Organics			
Client ID:	S-34	Batch I	D: 45	525	F	RunNo: 6	0571						
Prep Date:	6/12/2019	Analysis Da	ie: 6	6/12/2019 SeqNo: 2050486 Units: mg/Kg									
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Surr: DNOP		4.1		4.864		85.0	70	130	0	0			
Sample ID:	LCS-45479	SampTy	be: L(cs	Tes	tCode: E	PA Method	8015M/D: Die	esel Range	e Organics			
Client ID:	LCSS	Batch I	D: 45	5479	F	RunNo: 6	0580						
Prep Date:	6/10/2019	Analysis Da	ie: 6	/12/2019	5	SeqNo: 2	050992	Units: %Re	C				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Surr: DNOP		4.9		5.000		98.8	70	130					

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 15 of 19

WO#:	1906575	
	13-Jun-19	

Page 230 of 384

Client:ENSOLProject:Blanco S										
Sample ID: RB	SampType: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e		
Client ID: PBS	Batch ID: G6	0589	F	RunNo: 6()589					
Prep Date:	Analysis Date: 6/	12/2019	5	SeqNo: 20	050516	Units: mg/K	g			
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 970	1000		97.5	73.8	119				
Sample ID: 2.5UG GRO LCS	SampType: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e		
Client ID: LCSS	Batch ID: G6	0589	F	RunNo: 6()589					
Prep Date:	Analysis Date: 6/	12/2019	S	SeqNo: 20	050519	Units: mg/K	g			
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	24 5.0	25.00	0	96.9	80.1	123				
Surr: BFB	1200	1000		115	73.8	119				
Sample ID: 1906575-011AMS	SampType: MS	;	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	9		
Client ID: S-44	Batch ID: G6	0589	F	RunNo: 60						
Prep Date:	Analysis Date: 6/	12/2019	S	SeqNo: 20	050520	Units: mg/K	g			
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	20 4.2	20.80	0	95.7	69.1	142				
Surr: BFB	950	832.0		114	73.8	119				
Sample ID: 1906575-011AMS	D SampType: MS	D	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e		
Client ID: S-44	Batch ID: G6	0589	F	RunNo: 60)589					
Prep Date:	Analysis Date: 6/	12/2019	5	SeqNo: 20	050521	Units: mg/K	g			
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	20 4.2	20.80	0	94.8	69.1	142	0.966	20		
Surr: BFB	930	832.0		112	73.8	119	0	0		
Sample ID: MB-45518	SampType: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	9		
Client ID: PBS	Batch ID: 45	518	F	RunNo: 6(0590					
Prep Date: 6/11/2019	Analysis Date: 6/	12/2019	S	SeqNo: 20	050617	Units: mg/K	g			
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 1000	1000		101	73.8	119				
Sample ID: LCS-45518	SampType: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e		
Client ID: LCSS	Batch ID: 45	518	F	RunNo: 6(0590		_			
Prep Date: 6/11/2019	Analysis Date: 6/	12/2019	S	SeqNo: 20	050618	Units: mg/Kg				
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

Qualifiers:

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

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

Page 16 of 19

Page	231	of 384

1906575

WO#:

Han Environmental Analysis Laboratory, Inc.												
Client: EN	ISOLUM											
Project: Bl	ject: Blanco Storage											
Sample ID: LCS-45518	s Samp	Type: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e			
Client ID: LCSS	Bato	h ID: 45	518	F								
Prep Date: 6/11/2019	Analysis I	Date: 6/	/12/2019	5	SeqNo: 2	050618	Units: mg/ #	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Range Organics (G	RO) 23	5.0	25.00	0	90.1	80.1	123					
Surr: BFB	1200		1000		119	73.8	119					

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

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

Page 17 of 19

ENSOLUM

Client:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Project: H	Blanco Storage											
Sample ID: RB	Sam	рТуре: М	BLK	Tes	stCode: El	PA Method	8021B: Vola	tiles				
Client ID: PBS	Ва	tch ID: B6	60589	I	RunNo: 6	0589						
Prep Date:	Analysis	s Date: 6/	/12/2019	:	SeqNo: 2	050552	Units: mg/k	٢g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	ND	0.025										
Toluene	ND	0.050										
Ethylbenzene	ND	0.050										
Xylenes, Total	ND	0.10										
Surr: 4-Bromofluorobenz	ene 1.0		1.000		101	80	120					
Sample ID: 100NG B	TEX LCS Sam	рТуре: LC	s	Tes	stCode: El	PA Method	8021B: Vola	tiles				
Client ID: LCSS	Ba	tch ID: B6	60589	I	RunNo: 6	0589						
Prep Date:	Analysis	s Date: 6/	/12/2019	:	SeqNo: 2	050553	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.99	0.025	1.000	0	98.5	80	120					
Toluene	1.0	0.050	1.000	0	103	80	120					
Ethylbenzene	1.0	0.050	1.000	0	103	80	120					
Xylenes, Total	3.1	0.10	3.000	0	104	80	120					
Surr: 4-Bromofluorobenz	ene 1.0		1.000		102	80	120					
Sample ID: 1906575	012AMS Sam	рТуре: М	S	Tes	stCode: El	PA Method	8021B: Vola	tiles				
Client ID: S-45	Ва	tch ID: B6	60589	I	RunNo: 6	0589						
Prep Date:	Analysis	s Date: 6/	/12/2019	:	SeqNo: 2	050554	Units: mg/ł	٢g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	4.3	0.10	4.105	0.05542	104	63.9	127					
Toluene	4.4	0.21	4.105	0	107	69.9	131					
Ethylbenzene	4.5	0.21	4.105	0.1211	107	71	132					
Xylenes, Total	14	0.41	12.32	0.5735	109	71.8	131					
Surr: 4-Bromofluorobenz	ene 4.4		4.105		108	80	120					
Sample ID: 1906575	012AMSD Sam	рТуре: М	SD	Tes	stCode: El	PA Method	8021B: Vola	tiles				
Client ID: S-45	Ba	tch ID: B6	60589	I	RunNo: 6	0589						
Prep Date:	Analysis	s Date: 6/	/12/2019	:	SeqNo: 2	050555	Units: mg/ł	٢g				
Analyte	Result			SPK Ref Val		LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	4.3		4.105	0.05542	103	63.9	127	1.27	20			
Toluene	4.3		4.105	0	106	69.9	131	1.32	20			
Ethylbenzene	4.4	0.21	4.105	0.1211	104	71	132	3.13	20			
X I T I I												

Qualifiers:

Xylenes, Total

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

Surr: 4-Bromofluorobenzene

% Recovery outside of range due to dilution or matrix S

в Analyte detected in the associated Method Blank

106

106

71.8

80

131

120

2.60

0

- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

0.5735

20

0

1906575

13-Jun-19

WO#:

- Released to Imaging: 1/30/2024 3:00:11 PM

14

4.3

0.41

12.32

WO#:	1906575

13-Jun-19

Client: Project:	ENSOLU Blanco St														
-			Super ME		TestCode: EPA Method 8021B: Volatiles										
Sample ID:			ype: ME					8021B: Vola	tiles						
Client ID:	PBS		n ID: 45			lunNo: 6									
Prep Date:	6/11/2019	Analysis D	Date: 6/	12/2019	5	eqNo: 20	050664	Units: mg/k	(g						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Benzene		ND	0.025												
Toluene Ethylbenzene		ND ND	0.050 0.050												
Xylenes, Total		ND	0.030												
	nofluorobenzene	0.94	0.10	1.000		94.5	80	120							
Juli 4-Dioli	londorobenzene	0.94		1.000		34.5	00	120							
Sample ID:	LCS-45518	SampT	ype: LC	S	Tes	tCode: EF	tiles								
Client ID:	LCSS	Batcl	n ID: 45	518	F	tunNo: 6	0590								
Prep Date:	6/11/2019	Analysis D	0ate: 6/	12/2019	S	eqNo: 20	050665	Units: mg/H	٢g						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Benzene		1.0	0.025	1.000	0	103	80	120							
Toluene		1.0	0.050	1.000	0	101	80	120							
Ethylbenzene		1.0	0.050	1.000	0	101	80	120							
Xylenes, Total		3.0	0.10	3.000	0	98.4	80	120							
Surr: 4-Brom	nofluorobenzene	1.1		1.000		108	80	120							
Sample ID:	1906575-001AMS	SampT	уре: МS	6	Tes	TestCode: EPA Method 8021B: Volatiles									
					_										
Client ID:		Batcl	h ID: 45	518	4	lunNo: 6	1280	SeqNo: 2050667 Units: mg/Kg							
•		Batcl Analysis D						Units: mg/k	٢g						
Client ID:				12/2019				Units: mg/ŀ HighLimit	(g %RPD	RPDLimit	Qual				
Client ID: Prep Date: Analyte		Analysis D	Date: 6/	12/2019	S	SeqNo: 20	050667	•	•	RPDLimit	Qual				
Client ID: Prep Date: Analyte Benzene		Analysis D Result	Date: 6/	12/2019 SPK value	SPK Ref Val	eqNo: 20 %REC	D50667 LowLimit	HighLimit	•	RPDLimit	Qual				
Client ID: Prep Date: Analyte Benzene Toluene		Analysis D Result 0.75	Date: 6/ PQL 0.018	12/2019 SPK value 0.7278	SPK Ref Val	eqNo: 20 %REC 104	050667 LowLimit 63.9	HighLimit 127	•	RPDLimit	Qual				
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene		Analysis D Result 0.75 0.74	Date: 6/ PQL 0.018 0.036	12/2019 SPK value 0.7278 0.7278	SPK Ref Val 0 0	SeqNo: 26 %REC 104 102	050667 LowLimit 63.9 69.9	HighLimit 127 131	•	RPDLimit	Qual				
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total		Analysis D Result 0.75 0.74 0.73	Date: 6/ PQL 0.018 0.036 0.036	12/2019 SPK value 0.7278 0.7278 0.7278	SPK Ref Val 0 0 0	eqNo: 20 %REC 104 102 100	D50667 LowLimit 63.9 69.9 71	HighLimit 127 131 132	•	RPDLimit	Qual				
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom	S-34	Analysis D Result 0.75 0.74 0.73 2.1 0.78	Date: 6/ PQL 0.018 0.036 0.036	12/2019 SPK value 0.7278 0.7278 0.7278 2.183 0.7278	SPK Ref Val 0 0 0 0	6eqNo: 20 %REC 104 102 100 97.7 108	250667 LowLimit 63.9 69.9 71 71.8 80	HighLimit 127 131 132 131	%RPD	RPDLimit	Qual				
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID:	S-34 nofluorobenzene 1906575-001AMSE	Analysis D Result 0.75 0.74 0.73 2.1 0.78 0 SampT	Date: 6/ PQL 0.018 0.036 0.036 0.073	12/2019 SPK value 0.7278 0.7278 0.7278 2.183 0.7278	SPK Ref Val 0 0 0 0 0 Tes	6eqNo: 20 %REC 104 102 100 97.7 108	250667 LowLimit 63.9 69.9 71 71.8 80 PA Method	HighLimit 127 131 132 131 120	%RPD	RPDLimit	Qual				
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID:	S-34 nofluorobenzene 1906575-001AMSE	Analysis D Result 0.75 0.74 0.73 2.1 0.78 0 SampT	Date: 6/ PQL 0.018 0.036 0.036 0.073 Type: MS n ID: 45	12/2019 SPK value 0.7278 0.7278 0.7278 2.183 0.7278 50 518	SPK Ref Val 0 0 0 0 0 0 Tes F	SeqNo: 20 %REC 104 102 100 97.7 108	250667 LowLimit 63.9 69.9 71 71.8 80 PA Method 2590	HighLimit 127 131 132 131 120	%RPD	RPDLimit	Qual				
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID: Client ID:	S-34 nofluorobenzene 1906575-001AMSE	Analysis E Result 0.75 0.74 0.73 2.1 0.78 0 SampT Batcl	Date: 6/ PQL 0.018 0.036 0.036 0.073 Type: MS n ID: 45	12/2019 SPK value 0.7278 0.7278 2.183 0.7278 2.183 0.7278 518 12/2019	SPK Ref Val 0 0 0 0 0 0 Tes F	SeqNo: 20 %REC 104 102 100 97.7 108 Code: EF SunNo: 66 SeqNo: 20	250667 LowLimit 63.9 69.9 71 71.8 80 PA Method 2590	HighLimit 127 131 132 131 120 8021B: Volar Units: mg/k	%RPD tiles	RPDLimit	Qual				
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID: Client ID: Prep Date:	S-34 nofluorobenzene 1906575-001AMSE	Analysis D Result 0.75 0.74 0.73 2.1 0.78 0.78	Date: 6/ PQL 0.018 0.036 0.036 0.073 Type: MS n ID: 45 Date: 6/	12/2019 SPK value 0.7278 0.7278 2.183 0.7278 2.183 0.7278 518 12/2019	SPK Ref Val 0 0 0 0 0 Tes F	SeqNo: 20 %REC 104 102 100 97.7 108 tCode: EF	250667 LowLimit 63.9 69.9 71 71.8 80 24 Method 2590 250671	HighLimit 127 131 132 131 120 8021B: Vola	%RPD						
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID: Client ID: Prep Date: Analyte Benzene	S-34 nofluorobenzene 1906575-001AMSE	Analysis D Result 0.75 0.74 0.73 2.1 0.78 0.78 0.78 0.78 0.8 analysis D Analysis D	Date: 6/ PQL 0.018 0.036 0.036 0.073 Type: MS on ID: 45: Date: 6/ PQL	12/2019 SPK value 0.7278 0.7278 2.183 0.7278 50 518 12/2019 SPK value	SPK Ref Val 0 0 0 0 0 Tes F SPK Ref Val	SeqNo: 20 %REC 104 102 100 97.7 108 tCode: EF RunNo: 60 SeqNo: 20 %REC	D50667 LowLimit 63.9 69.9 71 71.8 80 PA Method D590 D50671 LowLimit	HighLimit 127 131 132 131 120 8021B: Vola Units: mg/P HighLimit	%RPD tiles {g %RPD	RPDLimit					
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID: Client ID: Prep Date: Analyte	S-34 nofluorobenzene 1906575-001AMSE	Analysis D Result 0.75 0.74 0.73 2.1 0.78 0 SampT Batch Analysis D Result 0.72	Date: 6/ PQL 0.018 0.036 0.036 0.073	12/2019 SPK value 0.7278 0.7278 0.7278 2.183 0.7278 518 518 12/2019 SPK value 0.7278	SPK Ref Val 0 0 0 0 Tes FR SPK Ref Val 0	BeqNo: 20 %REC 104 102 100 97.7 108 tCode: EF Strong No: 60 SeqNo: 20 %REC 99.3	D50667 LowLimit 63.9 69.9 71 71.8 80 D50671 LowLimit 63.9	HighLimit 127 131 132 131 120 8021B: Volar Units: mg/k HighLimit 127	%RPD tiles {g 4.24	RPDLimit 20					
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID: Client ID: Prep Date: Analyte Benzene Toluene	S-34 nofluorobenzene 1906575-001AMSE	Analysis I Result 0.75 0.74 0.73 2.1 0.78 O SampT Batcl Analysis I Result 0.72 0.71	Date: 6/ PQL 0.018 0.036 0.036 0.073 Type: MS on ID: 45: Date: 6/ PQL 0.018 0.036	12/2019 SPK value 0.7278 0.7278 2.183 0.7278 50 518 12/2019 SPK value 0.7278 0.7278	SPK Ref Val 0 0 0 0 0 Tes F SPK Ref Val 0 0	eqNo: 20 %REC 104 102 100 97.7 108 tCode: EF tunNo: 60 SeqNo: 20 %REC 99.3 97.8	D50667 LowLimit 63.9 69.9 71 71.8 80 PA Method D50671 LowLimit 63.9 69.9	HighLimit 127 131 132 131 120 8021B: Volar Units: mg/k HighLimit 127 131	%RPD tiles (g 4.24 4.25	RPDLimit 20 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

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

Page K List	nple Log-In Check	San	wkins NE NM 87109 345-4107	4901 Hc querque, 1 FAX: 505-	vironmental Albu 05-345-3975 site: www.hau	TEL: 50		HALL ENVIRONMENTAL ANALYSIS LABORATORY			
	RcptNo: 1		i	1906575	er Number:	Work Ord	UM AZTEC	ENSOLU	Client Name:		
		D>	T		:00:00 AM	6/12/2019 8	e Dominguez	Desired	Received By:		
		Dene H-	1		:15:04 AM	6/12/2019 8	horne	Anne T	completed By:		
	~	(mu)1-	Cr.				6/12/19	DAD	leviewed By:		
·								st <u>ody</u>	hain of Cu		
	Not Present	No 🗌	N	Yes 🗹			mplete?	ustody cor	Is Chain of C		
				<u>Courier</u>			alivered?	sample de	How was the		
	_								.og In		
	NA	No 🛄	N	Yes 🗹			to cool the samples?	npt made t	Was an atter		
		No 🗌	N	Yes 🗹	0°C	of >0°C to 6.0	ved at a temperature of	ples receiv	Were all sam		
		No 🗌	N	Yes 🗹			ntainer(s)?	proper cor	Sample(s) in		
		No 🗌	N	Yes 🗹		?	e for indicated test(s)?	iple volum	Sufficient san		
		No 🗌	N	Yes 🔽		preserved?	OA and ONG) properly	except VO	Are samples		
	NA 🗌	No 🔽	Ň	Yes 🗌			I to bottles?	itive added	Was preserva		
2/17	No VOA Vials 🗹	No 🗌	No	Yes 🗌			adspace?	e zero hea	VOA vials hav		
<u> </u>	# of preserved	No 🗹 🛛	N	Yes 🗆		?	iners received broken?	nple conta	Were any sar		
 ss noted)	for pH:	No 🗆	No	Yes 🔽			bottle labels? chain of custody)		Does paperwo (Note discrep:		
	Adjusted?	vo 🗆	No	Yes 🗹	,	ustody?	entified on Chain of Cu				
		•• □	No	Yes 🔽	•		were requested?	t analyses	Is it clear wha		
	Checked by:	No 🗆	No	Yes 🗹	,		ble to be met? r authorization.)				
		-					p <u>plica</u> ble)	ing (if aj	ecial Handl		
	NA 🗹	No 🗌	N	Yes 🗌		is order?	discrepancies with thi	tified of all	Was client no		
	· · · · · · · · · · · · · · · · · · ·				Date		ſ	Notified:	Person		
	In Person	Fax	Phone	eMail	Via: 🗌		[m:	By Who		
							Į	ng:	Regard		
	**************************************		······	· · ·			· [structions	L		
	ars Aralizing	مل الم	Sak	S	ntact	eals in	Custudy Se	^{marks:} (Additional rel		
	CAN DUP (ICIT)							and a second second	Cooler Infor		
	2rs An Old 112119	-	Sc/s	دری al Date	n tact al No Se		Custudy Se	marks: C	Client Ir Additional rei		

Page 1 of 1

	HALL ENVIRONMENTAL	www.rialieriviroininenital.com		Request				,reser ()	√ 0/	A) (A	0 (VO	828 8276	×												Lina	rcastig come	e 235 Charles Ehe	
		www.naue 4901 Hawkins NE - ⊿			(C	SV s,g		2808 4.1)	эвс 0 0 1 50 1 50 1 50 1 50 1 50 1 50 1 50	vlet: 1000 1000	=, Br, 3 (Met 3 (Met 3 (Met 4 by 4 by 5 by 5 br 5 br 5 br 5 br 5 br 5 br 5 br 5 br	трŀ В08 В08 В08	<pre></pre>												Tom	kug	AFE # NUIDUS	ossibility. Any sub-contracted data will
11200	A	 horase		640			Ders	·/-) « 5		1900 SIS	201	702	502	haz	100	1/112-	207	208	209	010)10-	22	Time	4/11/19 1322	bate Time b/r2/19 & 00	tories. This serves as notice of this p
Turn-Around Time:	□ Standard	BLANGO S	Project #:	Decitso	Project Manager:		K. Sumas	Sampler: CDA201	, Pro	Cooler Tempinchinhorder E	Mrather Breenvative		1 yor Cool												Received by: Via:	<u></u>	Received by: Via:	contracted to other accredited labore
Chain-of-Custody Record	(n	bob SR. Conde	Astec am				Level 4 (Full Validation)	□ Az Compliance				Matrix Sample Name	5 5-34	5.35	5-36	S-37	5+3,3	5-39	5-0/0	5-41	5-42	543	3-44	surg	Relinquished by:	Anto	Refinquished by: MMINTIALI ACTORS	to Half Environmental r
Chain-of	Clien	Mailing Address:	Swit A		email or Fax#:	A/QC Package:	□ Standard	Accreditation:	(ne)				4/11/19 2000 -	905	510	31.5	920	925	930	935	540	945	926	955	e: Time:	¢ 1322	bate: Time: Réfit b/in/ing/g04	lf necessary, sam



June 26, 2019

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX:

RE: Blanco Storage

OrderNo.: 1906D10

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 6 sample(s) on 6/25/2019 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1906D10

Date Reported: 6/26/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUMClient Sample ID: S-46Project:Blanco StorageLab ID:1906D10-001Matrix:MEOH (SOIL)Received Date:6/25/2019 8:15:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	60	mg/Kg	20	6/25/2019 12:54:41 PM	45798
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	JME
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	6/25/2019 11:13:55 AM	45791
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	6/25/2019 11:13:55 AM	45791
Surr: DNOP	88.9	70-130	%Rec	1	6/25/2019 11:13:55 AM	45791
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	3.8	mg/Kg	1	6/25/2019 11:49:55 AM	G60920
Surr: BFB	85.3	73.8-119	%Rec	1	6/25/2019 11:49:55 AM	G60920
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.019	mg/Kg	1	6/25/2019 11:49:55 AM	B60920
Toluene	ND	0.038	mg/Kg	1	6/25/2019 11:49:55 AM	B60920
Ethylbenzene	ND	0.038	mg/Kg	1	6/25/2019 11:49:55 AM	B60920
Xylenes, Total	ND	0.077	mg/Kg	1	6/25/2019 11:49:55 AM	B60920
Surr: 4-Bromofluorobenzene	89.4	80-120	%Rec	1	6/25/2019 11:49:55 AM	B60920

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

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

Page 1 of 10

Hall Environmental Analysis Laboratory, Inc.

Lab Order **1906D10** Date Reported: **6/26/2019**

CLIENT	: ENSOLUM	С	lient Sample ID: S-47
Project:	Blanco Storage		Collection Date: 6/24/2019 11:05:00 AM
Lab ID:	1906D10-002	Matrix: MEOH (SOIL)	Received Date: 6/25/2019 8:15:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	61	mg/Kg	20	6/25/2019 1:07:06 PM	45798
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	JME
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	6/25/2019 11:38:20 AM	45791
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/25/2019 11:38:20 AM	45791
Surr: DNOP	79.8	70-130	%Rec	1	6/25/2019 11:38:20 AM	45791
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	3.9	mg/Kg	1	6/25/2019 12:13:26 PM	G60920
Surr: BFB	84.0	73.8-119	%Rec	1	6/25/2019 12:13:26 PM	G60920
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.020	mg/Kg	1	6/25/2019 12:13:26 PM	B60920
Toluene	ND	0.039	mg/Kg	1	6/25/2019 12:13:26 PM	B60920
Ethylbenzene	ND	0.039	mg/Kg	1	6/25/2019 12:13:26 PM	B60920
Xylenes, Total	ND	0.079	mg/Kg	1	6/25/2019 12:13:26 PM	B60920
Surr: 4-Bromofluorobenzene	89.0	80-120	%Rec	1	6/25/2019 12:13:26 PM	B60920

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

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

Page 2 of 10

Analytical Report Lab Order 1906D10

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/26/2019 **CLIENT: ENSOLUM Client Sample ID:** S-48 Collection Date: 6/24/2019 11:10:00 AM **Project:** Blanco Storage 1906D10-003 Lab ID: Matrix: MEOH (SOIL) Received Date: 6/25/2019 8:15:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	60	mg/Kg	20	6/25/2019 1:19:31 PM	45798
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	JME
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	6/25/2019 12:52:31 PM	45791
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/25/2019 12:52:31 PM	45791
Surr: DNOP	93.1	70-130	%Rec	1	6/25/2019 12:52:31 PM	45791
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	3.9	mg/Kg	1	6/25/2019 12:36:51 PM	G60920
Surr: BFB	84.8	73.8-119	%Rec	1	6/25/2019 12:36:51 PM	G60920
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.020	mg/Kg	1	6/25/2019 12:36:51 PM	B60920
Toluene	ND	0.039	mg/Kg	1	6/25/2019 12:36:51 PM	B60920
Ethylbenzene	ND	0.039	mg/Kg	1	6/25/2019 12:36:51 PM	B60920
Xylenes, Total	ND	0.079	mg/Kg	1	6/25/2019 12:36:51 PM	B60920
Surr: 4-Bromofluorobenzene	88.3	80-120	%Rec	1	6/25/2019 12:36:51 PM	B60920

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

Page 3 of 10

Hall Environmental Analysis Laboratory, Inc.

Lab Order **1906D10** Date Reported: **6/26/2019**

CLIENT: ENSOLUM	Client Sample ID: S-49
Project: Blanco Storage	Collection Date: 6/24/2019 11:15:00 AM
Lab ID: 1906D10-004	Matrix: MEOH (SOIL) Received Date: 6/25/2019 8:15:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	60	mg/Kg	20	6/25/2019 1:56:45 PM	45798
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	JME
Diesel Range Organics (DRO)	95	9.6	mg/Kg	1	6/25/2019 1:16:57 PM	45791
Motor Oil Range Organics (MRO)	70	48	mg/Kg	1	6/25/2019 1:16:57 PM	45791
Surr: DNOP	93.8	70-130	%Rec	1	6/25/2019 1:16:57 PM	45791
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	3.8	mg/Kg	1	6/25/2019 1:00:17 PM	G60920
Surr: BFB	88.6	73.8-119	%Rec	1	6/25/2019 1:00:17 PM	G60920
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.019	mg/Kg	1	6/25/2019 1:00:17 PM	B60920
Toluene	ND	0.038	mg/Kg	1	6/25/2019 1:00:17 PM	B60920
Ethylbenzene	ND	0.038	mg/Kg	1	6/25/2019 1:00:17 PM	B60920
Xylenes, Total	ND	0.076	mg/Kg	1	6/25/2019 1:00:17 PM	B60920
Surr: 4-Bromofluorobenzene	91.7	80-120	%Rec	1	6/25/2019 1:00:17 PM	B60920

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

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

Page 4 of 10

Hall Environmental Analysis Laboratory, Inc.

Lab Order **1906D10** Date Reported: **6/26/2019**

CLIENT:	ENSOLUM	Client Sample ID: S-50
Project:	Blanco Storage	Collection Date: 6/24/2019 11:20:00 AM
Lab ID:	1906D10-005	Matrix: MEOH (SOIL) Received Date: 6/25/2019 8:15:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	60	mg/Kg	20	6/25/2019 2:09:09 PM	45798
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	JME
Diesel Range Organics (DRO)	64	9.7	mg/Kg	1	6/25/2019 1:41:37 PM	45791
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/25/2019 1:41:37 PM	45791
Surr: DNOP	94.3	70-130	%Rec	1	6/25/2019 1:41:37 PM	45791
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.4	mg/Kg	1	6/25/2019 1:23:42 PM	G60920
Surr: BFB	99.0	73.8-119	%Rec	1	6/25/2019 1:23:42 PM	G60920
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.022	mg/Kg	1	6/25/2019 1:23:42 PM	B60920
Toluene	ND	0.044	mg/Kg	1	6/25/2019 1:23:42 PM	B60920
Ethylbenzene	ND	0.044	mg/Kg	1	6/25/2019 1:23:42 PM	B60920
Xylenes, Total	ND	0.089	mg/Kg	1	6/25/2019 1:23:42 PM	B60920
Surr: 4-Bromofluorobenzene	91.9	80-120	%Rec	1	6/25/2019 1:23:42 PM	B60920

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

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

Page 5 of 10

Analytical Report Lab Order 1906D10

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/26/2019 Client Sample ID: S-51

CLIENT: ENSOLUM Collection Date: 6/24/2019 11:25:00 AM **Project:** Blanco Storage 1906D10-006 Lab ID: Matrix: MEOH (SOIL) Received Date: 6/25/2019 8:15:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	60	mg/Kg	20	6/25/2019 2:21:33 PM	45798
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	JME
Diesel Range Organics (DRO)	11	9.7	mg/Kg	1	6/25/2019 2:06:07 PM	45791
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/25/2019 2:06:07 PM	45791
Surr: DNOP	84.4	70-130	%Rec	1	6/25/2019 2:06:07 PM	45791
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.4	mg/Kg	1	6/25/2019 1:47:11 PM	G60920
Surr: BFB	92.3	73.8-119	%Rec	1	6/25/2019 1:47:11 PM	G60920
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.022	mg/Kg	1	6/25/2019 1:47:11 PM	B60920
Toluene	ND	0.044	mg/Kg	1	6/25/2019 1:47:11 PM	B60920
Ethylbenzene	ND	0.044	mg/Kg	1	6/25/2019 1:47:11 PM	B60920
Xylenes, Total	ND	0.087	mg/Kg	1	6/25/2019 1:47:11 PM	B60920
Surr: 4-Bromofluorobenzene	99.3	80-120	%Rec	1	6/25/2019 1:47:11 PM	B60920

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

Page 6 of 10

Client:	ENS	OLUM							
Project:	Blan	co Storage							
Sample ID:	MB-45798	SampType	: mblk	Tes	tCode: EPA Method	300.0: Anions	s		
Client ID:	PBS	Batch ID:	45798	F	RunNo: 60944				
Prep Date:	6/25/2019	Analysis Date:	6/25/2019	5	GeqNo: 2063167	Units: mg/K	g		
Analyte		Result P	QL SPK value	SPK Ref Val	%REC LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5						
Sample ID:	LCS-45798	SampType	: Ics	Tes	tCode: EPA Method	300.0: Anion:	s		
Client ID:	LCSS	Batch ID:	45798	F	RunNo: 60944				
Prep Date:	6/25/2019	Analysis Date:	6/25/2019	5	GeqNo: 2063168	Units: mg/K	g		
Analyte		Result P	QL SPK value	SPK Ref Val	%REC LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5 15.00	0	93.9 90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 7 of 10

WO#: **1906D10 26-Jun-19**

WO#:	1906D10
	26 Jun 10

26-Jun-19

Client: ENSC Project: Blance	DLUM o Storage								
Sample ID: LCS-45792	SampType: L	CS	Tes	Code: EPA	A Method	8015M/D: Die	sel Range	e Organics	
Client ID: LCSS	Batch ID: 4	5792	R	unNo: 608	384				
Prep Date: 6/25/2019	Analysis Date:	6/25/2019	S	eqNo: 206	61792	Units: %Rec	:		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.0	5.000		99.7	70	130			
Sample ID: MB-45792	SampType: N	IBLK	Tes	Code: EPA	A Method	8015M/D: Die	sel Range	e Organics	
Client ID: PBS	Batch ID: 4	5792	R	unNo: 608	384				
Prep Date: 6/25/2019	Analysis Date:	6/25/2019	S	eqNo: 206	61793	Units: %Rec	;		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.7	10.00		96.8	70	130			
Sample ID: MB-45791	SampType: N		Tes	Code: ED/	A Mothod	8015M/D: Die	sel Range	Organics	
	Samprype. N	IDLK	163		Amethou	0015W/D. Die	Serifung	, organios	
Client ID: PBS	Batch ID: 4			unNo: 608		oursiand. Die		, organios	
		5791	R		376	Units: mg/K	-	, organios	
Client ID: PBS	Batch ID: 4	5791 6/25/2019	R	unNo: 608 eqNo: 206	376		-	RPDLimit	Qual
Client ID: PBS Prep Date: 6/25/2019 Analyte Diesel Range Organics (DRO)	Batch ID: 4 Analysis Date: (Result PQL ND 1	5791 6/25/2019 SPK value 0	R	unNo: 608 eqNo: 206	376 61800	Units: mg/K	g	-	Qual
Client ID: PBS Prep Date: 6/25/2019 Analyte	Batch ID: 4 Analysis Date: 0 Result PQL	5791 6/25/2019 SPK value 0	R	unNo: 608 eqNo: 206	376 61800	Units: mg/K	g	-	Qual
Client ID: PBS Prep Date: 6/25/2019 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO)	Batch ID: 4 Analysis Date: 0 Result PQL ND 10 ND 50	5791 6/25/2019 SPK value 0 0 10.00	R SPK Ref Val	unNo: 608 seqNo: 206 %REC 91.7	376 51800 LowLimit 70	Units: mg/K HighLimit	g %RPD	RPDLimit	Qual
Client ID: PBS Prep Date: 6/25/2019 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP	Batch ID: 4 Analysis Date: 0 Result PQL ND 10 9.2	5791 6/25/2019 SPK value 0 10.00 CS	R SPK Ref Val Test	unNo: 608 seqNo: 206 %REC 91.7	376 51800 LowLimit 70 A Method	Units: mg/K HighLimit 130	g %RPD	RPDLimit	Qual
Client ID: PBS Prep Date: 6/25/2019 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-45791	Batch ID: 4 Analysis Date: 0 Result PQL ND 10 ND 50 9.2 SampType: L	5791 6/25/2019 SPK value 0 10.00 CS 5791	R SPK Ref Val Test R	eqNo: 608 eqNo: 206 %REC 91.7	376 51800 LowLimit 70 A Method 376	Units: mg/K HighLimit 130	g %RPD sel Range	RPDLimit	Qual
Client ID: PBS Prep Date: 6/25/2019 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-45791 Client ID: LCSS	Batch ID: 4 Analysis Date: 0 Result PQL ND 10 ND 50 9.2 SampType: L Batch ID: 4	5791 6/25/2019 SPK value 0 10.00 CS 5791 6/25/2019	R SPK Ref Val Test R	eqNo: 608 91.7 91.7 Code: EPA unNo: 608 eqNo: 206	376 51800 LowLimit 70 A Method 376	Units: mg/K HighLimit 130 8015M/D: Die	g %RPD sel Range	RPDLimit	Qual
Client ID: PBS Prep Date: 6/25/2019 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-45791 Client ID: LCSS Prep Date: 6/25/2019	Batch ID: 4 Analysis Date: 0 Result PQL ND 10 ND 50 9.2 SampType: L Batch ID: 4 Analysis Date: 0	5791 6/25/2019 SPK value 0 10.00 CS 5791 6/25/2019 SPK value	R SPK Ref Val Test R S	eqNo: 608 91.7 91.7 Code: EPA unNo: 608 eqNo: 206	376 51800 LowLimit 70 A Method 376 51801	Units: mg/K HighLimit 130 8015M/D: Die Units: mg/K	g %RPD sel Range	RPDLimit	

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

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

WO#:	1906D10

26-Jun-19

Client: ENSO	-			
Project: Blance	o Storage			
Sample ID: RB	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range	9
Client ID: PBS	Batch ID: G60920	RunNo: 60920		
Prep Date:	Analysis Date: 6/25/2019	SeqNo: 2062557	Units: mg/Kg	
Analyte	Result PQL SPK valu	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Gasoline Range Organics (GRO)	ND 5.0			
Surr: BFB	1100 100	0 107 73.8	119	
Sample ID: 2.5UG GRO LC	CS SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range	e
Client ID: LCSS	Batch ID: G60920	RunNo: 60920		
Prep Date:	Analysis Date: 6/25/2019	SeqNo: 2062558	Units: mg/Kg	
Analyte	Result PQL SPK valu	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Gasoline Range Organics (GRO)	23 5.0 25.0	0 0 93.1 80.1	123	
Surr: BFB	1000 100	0 101 73.8	119	
Sample ID: MB-45787	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range	9
Client ID: PBS	Batch ID: 45787	RunNo: 60920		
Prep Date: 6/24/2019	Analysis Date: 6/25/2019	SeqNo: 2062565	Units: %Rec	
Analyte	Result PQL SPK valu	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Surr: BFB	920 100	0 92.0 73.8	119	
Sample ID: LCS-45787	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range	9
Client ID: LCSS	Batch ID: 45787	RunNo: 60920		
Prep Date: 6/24/2019	Analysis Date: 6/25/2019	SeqNo: 2062566	Units: %Rec	
Analyte	Result PQL SPK valu	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Surr: BFB	980 100	0 98.0 73.8	119	

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

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

Page 9 of 10

Page	246	of 384

WO#:	1906D10	

26-Jun-19

Client:	ENSOLU	М									
Project:	Blanco St	orage									
Sample ID: F	RB	SampT	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: F	PBS	Batc	h ID: B6	0920	R	unNo: 60	920				
Prep Date:		Analysis E	Date: 6/2	25/2019	S	eqNo: 20	062587	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Bromo	fluorobenzene	1.1		1.000		113	80	120			
Sample ID: 1	100NG BTEX LCS	SampT	Гуре: LC	S	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID:	_CSS	Batc	h ID: B6	0920	R	unNo: 60	920				
Prep Date:		Analysis E	Date: 6/2	25/2019	S	eqNo: 20	62588	Units: mg/Kg	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.97	0.025	1.000	0	96.5	80	120			
Toluene		1.0	0.050	1.000	0	99.9	80	120			
Ethylbenzene		1.0	0.050	1.000	0	100	80	120			
Xylenes, Total		3.0	0.10	3.000	0	99.5	80	120			
Surr: 4-Bromo	fluorobenzene	0.92		1.000		91.9	80	120			
Sample ID:	MB-45787	SampT	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: F	PBS	Batc	h ID: 45	787	R	unNo: 60	920				
Prep Date:	6/24/2019	Analysis E	Date: 6/	25/2019	S	eqNo: 20	062591	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromo	fluorobenzene	0.97		1.000		97.4	80	120			
Sample ID: L	_CS-45787	SampT	Гуре: LC	S	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: L	R	lunNo: 60	920								
Prep Date:	6/24/2019	Analysis E	Date: 6/	25/2019	S	eqNo: 20	62592	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromo	fluorobenzene	0.94		1.000		93.8	80	120			

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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 10 of 10

	RONMENT	AL		ll Environmente		01 Hawki						
ANALYSIS			Al CL: 505-345-397 Website: www.l	buquero 75 FAX:	que, NM 8 505-345	87109 -4107	Sample Log-In Check List					
Client Name:	ENSOLUM	AZTEC	Work	Order Numbe	er: 190	6D10			RcptNo:	1		
Received By:	Desiree D	ominguez	6/25/20	019 8:15:00 AI	м		T	N				
Completed By:	Erin Mele	ndrez	6/25/20	19 8:59:33 AI	M		TH	MA				
Reviewed By:	ENH		6125	5/19								
Chain of Cus	tody											
1. Is Chain of C	ustody comp	lete?			Yes		No		Not Present			
2. How was the	sample deliv	vered?			Cou	rier						
Log In 3. Was an atter	not made to d	cool the sample	as?		Yes		No	- [] -	NA			
	ipt made to t				163							
4. Were all sam	ples received	l at a temperati	ure of >0° C	to 6.0°C	Yes		No					
5. Sample(s) in	proper conta	iner(s)?			Yes	\checkmark	No					
6. Sufficient san	ple volume f	or indicated tes	st(s)?		Yes	\checkmark	No					
7. Are samples	except VOA	and ONG) prop	perly preserve	ed?	Yes	\checkmark	No					
8. Was preserva	tive added to	bottles?			Yes		No	✓	NA 🗌			
9. VOA vials hav	e zero heads	space?			Yes		No		No VOA Vials 🗹			
10. Were any sar	nple containe	ers received bro	oken?		Yes		No	\checkmark		10		
11.Does paperwo	ork match ho	ttle labels?			Yes		No		# of preserved bottles checked for pH:	6/25/19		
		ain of custody)			163		110			>12 unless noted)		
12. Are matrices	correctly iden	tified on Chain	of Custody?		Yes	\checkmark	No		Adjusted?			
13. Is it clear wha		-				\checkmark	No					
14. Were all holdi (If no, notify c					Yes	\checkmark	No		Checked by:			
Special Handl	ing (if app	olicable)										
15. Was client no	tified of all di	iscrepancies w	th this order?	?	Yes		No		NA 🔽			
Person	Notified:		** *** `	Date:		harusta da		and second -				
By Who	om:			Via:	eM	ail 🗌 A	Phone	Fax	In Person			
Regard					Na Long Norocci (Breach	a data mentan mena	A. 69.2 (19) (44.19) (45.19) (un ingelocher feloer ve	Al-Annold Colored Color Color Color Color Color Color			
Client I	nstructions:	Γ										
16. Additional re	marks:											
17. Cooler Infor	mation											
				1					75			
Cooler No	Temp °C	Condition Good	Seal Intact	Seal No	Seal D	ate	Signed	Ву				

Page 1 of 1

Recei	ived by	y 00	C D: 8	/15/.	2023	10:	:45:18	4 <i>M</i>														Pa	ge 248	of 384
	HALL ENVIRONMENTAL ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109		Analysis		S '⁺Od	or 827(, NO ₂ , A)	- VO 103 103	y 83 3 Me 3r, 1 (AO)	ерв (М РАНа b СI, F, E 8260 (V 8270 (S Тоtal Cd 7/2											for Ton Long Pay Key TC25719	AFE # N41343	ib-contracted data will be clearly notated on the analytical report.
南区			901 F	Tel. 5(9 1808 9 1808							 					4	Any st
No.			4	F							08:H9T		5							 		Remarks:		sibility.
							(802) S		बध		X3T8 /	X	~		_	\sim		 	_	 		<u></u>		this pos
round Time: 100 23	Candard Kush 6-25-19	Project Name:	Blanco Storage	.#:	eradesi A so	Project Manager:	K. Sumars	Sampler: $\mathcal{C} \ \mathcal{D} \mathcal{R} \ \mathcal{A}_{\mathcal{O}} \mathcal{A}_{\mathcal{C}}^{\prime}$ On Ice:		Cooler Temp(including cF):0,9+0.5-1,4°, 5,3+0.5-5.8°.	ner Preservative HEAL No.	001	1 -002	-003	-004	590-1	1 -006				in the second second second	Mut Wa: Date Time	by: Via: Daté Time Chuciec 1,125/19 %:15	o other accredited laboratories. This serves as notice of t
Turn-Around	□ Sta	Project	,	Project #:		Project		Sample On Ice:	# of Co	Cooler	Container Type and #	1402	-			/			-			Received by:	Received by:	ntracted to
hain-of-Custody Record		 A state water to a state of the state of the	Mailing Address: Loc SR's Grande	Suit A Aztec Nm	Phone #:	email or Fax#:	QA/QC Package:				Date Time Matrix Sample Name	9/100 5 5-46	1 1105 1 5-47	11/0	1/15 5-019	0.5-5	1.2.2 1 2.011					A (36) Part A	Date: Time: Relinquished by:	ry, samples submitted to Hall E



July 01, 2019

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

RE: Blanco Storage

OrderNo.: 1906F83

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/28/2019 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 <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1906F83

Date Reported: 7/1/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUMClient Sample ID: S-52Project: Blanco StorageCollection Date: 6/27/2019 9:00:00 AMLab ID: 1906F83-001Matrix: MEOH (SOIL)Received Date: 6/28/2019 8:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	60	mg/Kg	20	6/28/2019 2:14:55 PM	45893
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	том
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	6/28/2019 10:56:56 AM	45889
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/28/2019 10:56:56 AM	45889
Surr: DNOP	91.9	70-130	%Rec	1	6/28/2019 10:56:56 AM	45889
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	3.9	mg/Kg	1	6/28/2019 11:16:30 AM	G61018
Surr: BFB	101	73.8-119	%Rec	1	6/28/2019 11:16:30 AM	G61018
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.019	mg/Kg	1	6/28/2019 11:16:30 AM	R61018
Toluene	ND	0.039	mg/Kg	1	6/28/2019 11:16:30 AM	R61018
Ethylbenzene	ND	0.039	mg/Kg	1	6/28/2019 11:16:30 AM	R61018
Xylenes, Total	ND	0.078	mg/Kg	1	6/28/2019 11:16:30 AM	R61018
Surr: 4-Bromofluorobenzene	94.3	80-120	%Rec	1	6/28/2019 11:16:30 AM	R61018

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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits P Sample pH Not In Range
- P Sample pH Not In Range RL Reporting Limit
- Page 1 of 6

Client: ENS	SOLUM			
Project: Blar	nco Storage			
Sample ID MB-45893	SampType: mblk	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 45893	RunNo: 61037		
Prep Date: 6/28/2019	Analysis Date: 6/28/2019	SeqNo: 2067458	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID LCS-45893	SampType: Ics	TestCode: EPA Method	300.0: Anions	
Client ID: LCSS	Batch ID: 45893	RunNo: 61037		
Prep Date: 6/28/2019	Analysis Date: 6/28/2019	SeqNo: 2067459	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	14 1.5 15.00	0 95.2 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

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

1906F83

01-Jul-19

WO#:

IKEFUKI	WO#:	1906F83	
tal Analysis Laboratory, Inc.		01-Jul-19	

Client: Project:	ENSOLU Blanco S									
Sample ID	LCS-45845	SampType	e: LCS	Tes	tCode: EF	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	LCSS	Batch ID	2: 45845	R	RunNo: 6 ′	1002				
Prep Date:	6/26/2019	Analysis Date	e: 6/28/2019	S	SeqNo: 20	065564	Units: %Re	0		
Analyte		Result F	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	,	6.3	5.000		127	70	130			
Sample ID	MB-45889	SampType	e: MBLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	PBS	Batch ID	2 45889	R	RunNo: 6'	1002				
Prep Date:	6/28/2019	Analysis Date	e: 6/28/2019	S	SeqNo: 20	065968	Units: mg/K	g		
Analyte		Result F	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	Organics (DRO)	ND	10							
Motor Oil Rang Surr: DNOP	ge Organics (MRO)	ND 8.5	50 10.00		85.4	70	130			
-	LCS-45889	SampType					8015M/D: Die	esel Rang	e Organics	
Client ID:): 45889		RunNo: 6					
Prep Date:	6/28/2019	Analysis Date	e: 6/28/2019	5	SeqNo: 20	065969	Units: mg/K	g		
Analyte		Result F		SPK Ref Val		LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	Organics (DRO)	44	10 50.00 5.000	-	87.4 83.1	63.9 70	124 130			
Completio	1906F83-001AMS	Company		Тер			004 <i>E</i> M/D: D:		Ormaniaa	
Client ID:			e: WIS): 45889		RunNo: 6'		8015M/D: Die	eser kang	e Organics	
	6/28/2019	Analysis Date			SeqNo: 20		Units: mg/K	a		
	0/20/2010						-	-		Qual
Analyte Diesel Range	Organics (DRO)	Result F 46	PQL SPK value 9.7 48.36	SPK Ref Val 5.766	%REC 83.4	LowLimit 57	HighLimit 142	%RPD	RPDLimit	Qual
Surr: DNOP	-	4.5	4.836		92.7	70	130			
Sample ID	1906F83-001AMS	D SampType	e: MSD	Tes	tCode: EF	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	S-52		2 45889		RunNo: 6 ′			U	0	
Prep Date:	6/28/2019	Analysis Date	e: 6/28/2019	S	SeqNo: 20	066393	Units: mg/K	g		
Analyte		Result F	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	Organics (DRO)	48	9.9 49.46		86.1	57	142	4.72	20	
Surr: DNOP	,	4.5	4.946		91.2	70	130	0	0	
Sample ID	MB-45871	SampType	e: MBLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	PBS	Batch ID): 45871	R	RunNo: 6'	1002				
Prep Date:	6/27/2019	Analysis Date	e: 6/29/2019	S	SeqNo: 20	066567	Units: %Re	0		
Analyte		Result F	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
							-			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

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

RL Reporting Limit

Page 3 of 6
Page 253 of 3	ge.	433	IJ	304	
---------------	-----	-----	----	-----	--

L.		WO#:	1906F83
Hall Env	vironmental Analysis Laboratory, Inc.		01-Jul-19
Client:	ENSOLUM		

Project: Bla	anco Storage				
Sample ID MB-45871	SampType: MBLK	TestCode: EPA Method	l 8015M/D: Diesel Rang	ge Organics	
Client ID: PBS	Batch ID: 45871	RunNo: 61002			
Prep Date: 6/27/2019	Analysis Date: 6/29/2019	SeqNo: 2066567	Units: %Rec		
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit	Qual
Surr: DNOP	8.6 10.00	85.9 70	130		
Sample ID LCS-45871	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Rang	ge Organics	
Client ID: LCSS	Batch ID: 45871	RunNo: 61002			
Prep Date: 6/27/2019	Analysis Date: 6/29/2019	SeqNo: 2066568	Units: %Rec		
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit	Qual
Surr: DNOP	4.6 5.000	92.5 70	130		

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

Page 4 of 6

.

Released to Imaging: 1/30/2024 3:00:11 PM

	WO#:	1906F83
ironmental Analysis Laboratory, Inc.		01-Jul-19

Client:ENSOLProject:Blanco	.UM Storage									
Sample ID 2.5UG GRO LCS	Samp	Гуре: LC	S	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID: LCSS	Batc	h ID: G6	1018	F	RunNo: 6	1018				
Prep Date:	Analysis [Date: 6/	28/2019	S	SeqNo: 2	065999	Units: mg/K	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	98.9	80.1	123			
Surr: BFB	1100		1000		114	73.8	119			
Sample ID RB	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID: PBS	Batc	h ID: G6	1018	F	RunNo: 6	1018				
Prep Date:	Analysis [Date: 6/	28/2019	S	SeqNo: 2	066000	Units: mg/k	٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		103	73.8	119			

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits J
- Sample pH Not In Range Р
- RL Reporting Limit

Page 5 of 6

Released to Imaging: 1/30/2024 3:00:11 PM

.

QC SUMMARY REPORT Hall Environmental Analysis Laboratory,

, Inc.		

WO#: 1906F83 01-Jul-19

Client: ENSOLUM **Project:** Blanco Storage

Sample ID 100NG BTEX LCS	S SampT	SampType: LCS TestCode: EPA Method 8021B: Volatiles						iles		
Client ID: LCSS	Batch	n ID: R6	1018	F	RunNo: 6	1018				
Prep Date:	Analysis D	Date: 6/	28/2019	5	SeqNo: 2	066002	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	95.5	80	120			
Toluene	0.93	0.050	1.000	0	93.3	80	120			
Ethylbenzene	0.94	0.050	1.000	0	93.9	80	120			
Xylenes, Total	2.8	0.10	3.000	0	91.9	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			
Sample ID RB	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Sample ID RB Client ID: PBS	•	ype: ME 1 ID: R6			tCode: El RunNo: 6		8021B: Volat	iles		
	•	n ID: R6	1018	F		1018	8021B: Volat Units: mg/K			
Client ID: PBS	Batch	n ID: R6	1018 28/2019	F	RunNo: 6	1018			RPDLimit	Qual
Client ID: PBS Prep Date:	Batch Analysis D	n ID: R6 Date: 6/	1018 28/2019	F	RunNo: 6 SeqNo: 2	1018 066007	Units: mg/K	g	RPDLimit	Qual
Client ID: PBS Prep Date: Analyte	Batch Analysis D Result	n ID: R6 Date: 6/ PQL	1018 28/2019	F	RunNo: 6 SeqNo: 2	1018 066007	Units: mg/K	g	RPDLimit	Qual
Client ID: PBS Prep Date: Analyte Benzene	Batch Analysis D Result ND	n ID: R6 Date: 6/ PQL 0.025	1018 28/2019	F	RunNo: 6 SeqNo: 2	1018 066007	Units: mg/K	g	RPDLimit	Qual
Client ID: PBS Prep Date: Analyte Benzene Toluene	Batch Analysis D Result ND ND	Date: 6/ PQL 0.025 0.050	1018 28/2019	F	RunNo: 6 SeqNo: 2	1018 066007	Units: mg/K	g	RPDLimit	Qual

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- s % Recovery outside of range due to dilution or matrix

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Sample pH Not In Range Р
- RL Reporting Limit

Page 6 of 6

Received by OCD: 8/15/2023 10:45:18 AM

ANALY	ONMENT SIS ATORY	AL	TE	ll Environme. L: 305-345-3 Website: www	490 Albuquero 975 FAX:	01 Hawkins jue, NM 87 505-345-4	NE 109 107	San	nple Log-In C	heck List
lient Name:	ENSOLUM	AZTEC	Work	Order Num	ber: 190	6F83			RcptNo:	1
eceived By:	Thom Ma	ybee	6/28/20	19 8:30:00	АМ					
ompleted By:	Erin Mele	ndrez	6/28/20	19 8:57:42	AM		N	MA		
eviewed By:	YCI	e128/10								
nain of Cust	tody									
Is Chain of Cu	istody comp	lete?			Yes		N	10 🗌	Not Present	
How was the s	sample deliv	ered?			Cou	rier				
og In						-				
Was an attem	pt made to o	cool the samp	oles?		Yes	×	N	lo 🗆	NA 🗌	
Were all samp	les received	at a tempera	iture of >0° C	to 6.0°C	Yes		N	lo 🗌	NA 🗆	
Sample(s) in p	roper conta	iner(s)?			Yes		N	lo 🗌		
Sufficient samp	ole volume f	or indicated to	est(s)?		Yes		N	•		
Are samples (e	except VOA	and ONG) pro	operly preserve	ed?	Yes		N	• 🗆		
Was preservat	ive added to	bottles?			Yes		N	o 🔽	NA 🗌	
VOA vials have	zero heads	space?			Yes		N	•	No VOA Vials 🗹	70
Were any sam	ple containe	ers received b	oroken?		Yes		N	0	# of preserved bottles checked	6/20/19
Does paperwor (Note discrepation)			*		Yes	~	N	•	for pH:	>12 unless noted
Are matrices co	orrectly iden	tified on Chai	n of Custody?		Yes		N	•	Adjusted?	
ls it clear what			17		Yes		N	• 🗆		
Were all holdin (If no, notify cu					Yes	\checkmark	N	•	Checked by:	
ecial Handli	ng (if app	licable)								
Was client not	ified of all di	iscrepancies	with this order	•	Yes		N	lo 🗆	NA 🗹	
Person 1	Notified:	[Date:	[
By Whor	m:	[Via:	eMa	ail 🗌 Ph	one [Fax	In Person	
Regardir	all and a second second									
Client In	structions:					and sugare to second a				
Additional ren	arks:									
Cooler Inform	nation									
Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal D	ate :	Signe	d By		
1 2	1.8	Good	Yes							
	3.6	Good	Yes						1	

Page | of |

Client: End Mailing Address: Phone #: Phone #: OA/OC Package: Client: End Phone #: Phone #: OA/OC Package: Date Time I Date Time I		ti Ensolution Scorde	□ Standard (g Project Name: Blc.nc 0 Project #: Colect #: A Su Sampler: C A Sampler: C A Cooler Temptmouting Cooler Temptmouting Type and # Type	ndard ichush br Name: Name: Asney Asne Asne Asne Asne	Image: Contract Contract Standard Image: Contract Standard Project Name: Project Name: Project Name: Blance Standard Project #: OSA 1336 OU13 Project #: Contract Standard A Sconner Sampler: A Sconner Sampler: A Sconner Sampler: A Sconner Sampler: A Sconner Coolers: L A Sconner Coolers: L Cooler Templomenting cn: LS to s.ld / 3, 5, to s.l, 0, 1 I Y & Cooler: L -001 I Y & Cooler: L -001				Andress SMI20728 by 8310 of 82705IMS Mail Retails Retails Retails Retails	Aller Aller Aller </th <th>Image: Signature Image: Signature <th image:="" signature<<="" th=""><th>MILVSIS Smiton MALVER Smiton MALVER Smiton MALVER Smiton MALVER Malver Malver</th><th>All Lave All Control All Control Analysis Main Sissing Main Sissing Main Sissing Analysis Main Sissing Main Sissing Main Sissing</th></th></th>	Image: Signature Image: Signature <th image:="" signature<<="" th=""><th>MILVSIS Smiton MALVER Smiton MALVER Smiton MALVER Smiton MALVER Malver Malver</th><th>All Lave All Control All Control Analysis Main Sissing Main Sissing Main Sissing Analysis Main Sissing Main Sissing Main Sissing</th></th>	<th>MILVSIS Smiton MALVER Smiton MALVER Smiton MALVER Smiton MALVER Malver Malver</th> <th>All Lave All Control All Control Analysis Main Sissing Main Sissing Main Sissing Analysis Main Sissing Main Sissing Main Sissing</th>	MILVSIS Smiton MALVER Smiton MALVER Smiton MALVER Smiton MALVER Malver Malver	All Lave All Control All Control Analysis Main Sissing Main Sissing Main Sissing Analysis Main Sissing Main Sissing Main Sissing
Varie Time: P Varie 1050 Date: Time: P	a a	elinquished by:	Received by:	via: via: Country	Date Time (1/27)15 1656 Date Time 6-28-69 8.30	Rema	Remarks: ppd Port AFE	-	they the	Cucly Scot	Cres Cres	510	2 Sal	

Released to Imaging: 1/30/2024 3:00:11 PM



July 25, 2019

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX:

RE: Blanco Storage

OrderNo.: 1907A69

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 4 sample(s) on 7/20/2019 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Surr: 4-Bromofluorobenzene

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1907A69

Date Reported: 7/25/2019

7/22/2019 4:27:39 PM B61546

CLIENT: ENSOLUM		Cl	ient Sample II	D: HI	B-1@1'-H	
Project: Blanco Storage		(Collection Dat	e: 7/1	8/2019 12:00:00 PM	
Lab ID: 1907A69-001	Matrix: SOIL		Received Dat	e: 7/2	20/2019 10:00:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	MRA
Chloride	ND	60	mg/Kg	20	7/25/2019 12:17:14 AM	46374
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	7/24/2019 10:51:22 PM	46341
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/24/2019 10:51:22 PM	46341
Surr: DNOP	86.2	70-130	%Rec	1	7/24/2019 10:51:22 PM	46341
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.1	mg/Kg	1	7/22/2019 4:27:39 PM	G61546
Surr: BFB	90.5	73.8-119	%Rec	1	7/22/2019 4:27:39 PM	G61546
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.021	mg/Kg	1	7/22/2019 4:27:39 PM	B61546
Toluene	ND	0.041	mg/Kg	1	7/22/2019 4:27:39 PM	B61546
Ethylbenzene	ND	0.041	mg/Kg	1	7/22/2019 4:27:39 PM	B61546
Xylenes, Total	ND	0.082	mg/Kg	1	7/22/2019 4:27:39 PM	B61546

89.6

80-120

%Rec

1

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

Page 1 of 9

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1907A69

Date Reported: 7/25/2019

CLIENT: ENSOLUM		Cl	ient Sample II	D: HI	3-2@4'-H	
Project: Blanco Storage			-		18/2019 12:30:00 PM	
Lab ID: 1907A69-002	Matrix: SOIL		Received Dat	e: 7/2	20/2019 10:00:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	60	mg/Kg	20	7/25/2019 12:29:38 AM	46374
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	7/25/2019 2:33:54 AM	46344
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/25/2019 2:33:54 AM	46344
Surr: DNOP	92.3	70-130	%Rec	1	7/25/2019 2:33:54 AM	46344
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/22/2019 4:51:15 PM	G61546
Surr: BFB	103	73.8-119	%Rec	1	7/22/2019 4:51:15 PM	G61546
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	7/22/2019 4:51:15 PM	B61546
Toluene	ND	0.048	mg/Kg	1	7/22/2019 4:51:15 PM	B61546
Ethylbenzene	ND	0.048	mg/Kg	1	7/22/2019 4:51:15 PM	B61546
Xylenes, Total	ND	0.097	mg/Kg	1	7/22/2019 4:51:15 PM	B61546
Surr: 4-Bromofluorobenzene	101	80-120	%Rec	1	7/22/2019 4:51:15 PM	B61546

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

Page 2 of 9

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1907A69

Date Reported: 7/25/2019

CLIENT: ENSOLUM		Cl	ient Sample II): HI	3-3@4'-Н	
Project: Blanco Storage		(Collection Dat	e: 7/1	8/2019 1:00:00 PM	
Lab ID: 1907A69-003	Matrix: SOIL		Received Dat	e: 7/2	20/2019 10:00:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	60	mg/Kg	20	7/25/2019 12:42:03 AM	46374
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	7/25/2019 3:40:43 AM	46344
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	7/25/2019 3:40:43 AM	46344
Surr: DNOP	89.8	70-130	%Rec	1	7/25/2019 3:40:43 AM	46344
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/22/2019 5:14:54 PM	G61546
Surr: BFB	95.2	73.8-119	%Rec	1	7/22/2019 5:14:54 PM	G61546
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	7/22/2019 5:14:54 PM	B61546
Toluene	ND	0.049	mg/Kg	1	7/22/2019 5:14:54 PM	B61546
Ethylbenzene	ND	0.049	mg/Kg	1	7/22/2019 5:14:54 PM	B61546
Xylenes, Total	ND	0.098	mg/Kg	1	7/22/2019 5:14:54 PM	B61546
Surr: 4-Bromofluorobenzene	93.8	80-120	%Rec	1	7/22/2019 5:14:54 PM	B61546

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

в Analyte detected in the associated Method Blank

- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 3 of 9

Surr: 4-Bromofluorobenzene

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1907A69

Date Reported: 7/25/2019

7/22/2019 5:38:30 PM B61546

CLIENT: E	NSOLUM	Client Sample ID: HB-4@4'-H									
Project: B	lanco Storage	Collection Date: 7/18/2019 1:30:00 PM									
Lab ID: 1	907A69-004	Matrix: SOIL		Recei	Received Date: 7/20/2019 10:00:00 AM						
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch			
EPA METHO	OD 300.0: ANIONS						Analyst	MRA			
Chloride		ND	60		mg/Kg	20	7/25/2019 12:54:27 AM	46374			
EPA METHO	OD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	BRM			
Diesel Rang	ge Organics (DRO)	ND	9.2		mg/Kg	1	7/25/2019 4:03:03 AM	46344			
Motor Oil R	ange Organics (MRO)	ND	46		mg/Kg	1	7/25/2019 4:03:03 AM	46344			
Surr: DN	OP	89.0	70-130		%Rec	1	7/25/2019 4:03:03 AM	46344			
EPA METHO	OD 8015D: GASOLINE RANGE	E					Analyst	NSB			
Gasoline Ra	ange Organics (GRO)	ND	4.7		mg/Kg	1	7/22/2019 5:38:30 PM	G61546			
Surr: BFE	3	99.0	73.8-119		%Rec	1	7/22/2019 5:38:30 PM	G61546			
EPA METHO	OD 8021B: VOLATILES						Analyst	NSB			
Benzene		ND	0.023		mg/Kg	1	7/22/2019 5:38:30 PM	B61546			
Toluene		ND	0.047		mg/Kg	1	7/22/2019 5:38:30 PM	B61546			
Ethylbenzer	ne	ND	0.047		mg/Kg	1	7/22/2019 5:38:30 PM	B61546			
Xylenes, To	otal	ND	0.093		mg/Kg	1	7/22/2019 5:38:30 PM	B61546			

94.8

80-120

%Rec

1

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

Page 4 of 9

Client:	ENS	OLUM									
Project:	Blan	co Storage									
Sample ID:	MB-46374	3-46374 SampType: MBLK TestCode: EPA Method						300.0: Anion	s		
Client ID:	PBS	Batch	ID: 46	374	74 RunNo: 61634						
Prep Date:	7/24/2019	Analysis Da	ate: 7/	24/2019	5	SeqNo: 20	089324	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-46374	SampTy	/pe: LC	S	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	ID: 46	374	F	RunNo: 61	1634				
Prep Date:	7/24/2019	Analysis Da	ate: 7/	24/2019	5	SeqNo: 20	089325	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	93.4	90	110			

- * 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

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

Page 5 of 9

1907A69

25-Jul-19

WO#:

ENSOLUM

Client:

Analyte

Surr: DNOP

Client ID: PBS

Prep Date: 7/23/2019

Diesel Range Organics (DRO)

Motor Oil Range Organics (MRO)

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Batch ID: 46341

Analysis Date: 7/25/2019

PQL

10

50

10.00

Result

ND

ND

7.9

Project: Blanco St	torage									
Sample ID: 1907A69-002AMS	SampT	ype: MS	6	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: HB-2@4'-H	Batch	n ID: 46	344	RunNo: 61604						
Prep Date: 7/23/2019	Analysis D	ate: 7/	25/2019	SeqNo: 2088999			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	9.4	46.86	0	106	57	142			
Surr: DNOP	4.4		4.686		94.8	70	130			
Sample ID: 1907A69-002AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics										
Client ID: HB-2@4'-H	Batch	Batch ID: 46344 RunNo: 61604								
Prep Date: 7/23/2019	Analysis D	ate: 7/	25/2019	S	SeqNo: 20	089000	Units: mg/K	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.10	0	100	57	142	1.22	20	
Surr: DNOP	4.2		5.010		84.1	70	130	0	0	
Sample ID: LCS-46341	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Sample ID: LCS-46341 Client ID: LCSS	•	ype: LC			tCode: Ef		8015M/D: Die	esel Range	e Organics	
	•	n ID: 46	341	F		1604	8015M/D: Die Units: mg/K	-	e Organics	
Client ID: LCSS	Batch	n ID: 46	341 24/2019	F	RunNo: 6 SeqNo: 2	1604		-	e Organics RPDLimit	Qual
Client ID: LCSS Prep Date: 7/23/2019	Batch Analysis D	n ID: 46: Date: 7/	341 24/2019	F S	RunNo: 6 SeqNo: 2	1604 089020	Units: mg/K	ſg	-	Qual
Client ID: LCSS Prep Date: 7/23/2019 Analyte	Batch Analysis D Result	Di ID: 46 Date: 7/ PQL	341 24/2019 SPK value	F S SPK Ref Val	RunNo: 6 [,] SeqNo: 20 %REC	1604 089020 LowLimit	Units: mg/K HighLimit	ſg	-	Qual
Client ID: LCSS Prep Date: 7/23/2019 Analyte Diesel Range Organics (DRO)	Batch Analysis D Result 47 3.8	Di ID: 46 Date: 7/ PQL	341 24/2019 SPK value 50.00 5.000	F S SPK Ref Val 0	RunNo: 6 SeqNo: 20 <u>%REC</u> 93.2 77.0	1604 089020 LowLimit 63.9 70	Units: mg/K HighLimit 124	(g %RPD	RPDLimit	Qual
Client ID: LCSS Prep Date: 7/23/2019 Analyte Diesel Range Organics (DRO) Surr: DNOP	Batch Analysis D Result 47 3.8 SampT	Date: 7/ Pate: 7/ PQL 10	341 24/2019 SPK value 50.00 5.000	F S SPK Ref Val 0 Tes	RunNo: 6 SeqNo: 20 <u>%REC</u> 93.2 77.0	1604 089020 LowLimit 63.9 70 PA Method	Units: mg/K HighLimit 124 130	(g %RPD	RPDLimit	Qual
Client ID: LCSS Prep Date: 7/23/2019 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: LCS-46344	Batch Analysis D Result 47 3.8 SampT	PQL PQL 10 Type: LC	341 24/2019 SPK value 50.00 5.000 S 344	F S SPK Ref Val 0 Tes F	RunNo: 6' SeqNo: 20 %REC 93.2 77.0 tCode: EF	1604 089020 LowLimit 63.9 70 PA Method 1604	Units: mg/K HighLimit 124 130	Kg %RPD esel Range	RPDLimit	Qual
Client ID: LCSS Prep Date: 7/23/2019 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: LCS-46344 Client ID: LCSS	Batch Analysis D Result 47 3.8 SampT Batch	PQL PQL 10 Type: LC	341 24/2019 SPK value 50.00 5.000 S 344 25/2019	F S SPK Ref Val 0 Tes F	RunNo: 6' SeqNo: 20 %REC 93.2 77.0 tCode: Ef RunNo: 6' SeqNo: 20	1604 089020 LowLimit 63.9 70 PA Method 1604	Units: mg/K HighLimit 124 130 8015M/D: Die	Kg %RPD esel Range	RPDLimit	Qual
Client ID: LCSS Prep Date: 7/23/2019 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: LCS-46344 Client ID: LCSS Prep Date: 7/23/2019	Batch Analysis D Result 47 3.8 SampT Batch Analysis D	PQL 10 7/ 10 7/ 7/ 7/ 7/ 7/ 7/ 7/ 7/ 7/ 7/ 7/ 7/ 7/	341 24/2019 SPK value 50.00 5.000 S 344 25/2019	F SPK Ref Val 0 Tes F S	RunNo: 6 SeqNo: 20 %REC 93.2 77.0 tCode: EF RunNo: 6 SeqNo: 20	1604 289020 LowLimit 63.9 70 24 Method 1604 289021	Units: mg/K HighLimit 124 130 8015M/D: Dia Units: mg/K	Kg %RPD esel Range	RPDLimit	
Client ID: LCSS Prep Date: 7/23/2019 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: LCS-46344 Client ID: LCSS Prep Date: 7/23/2019 Analyte	Batch Analysis D Result 47 3.8 SampT Batch Analysis D Result	PQL PQL 10 Type: LC Date: 7/ PQL PQL	341 24/2019 SPK value 50.00 5.000 SS 344 25/2019 SPK value	F SPK Ref Val 0 Tes F SPK Ref Val	RunNo: 6' SeqNo: 20 <u>%REC</u> 93.2 77.0 tCode: EF RunNo: 6' SeqNo: 20 %REC	1604 089020 LowLimit 63.9 70 74 Method 1604 089021 LowLimit	Units: mg/K HighLimit 124 130 8015M/D: Die Units: mg/K HighLimit	Kg %RPD esel Range	RPDLimit	

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

в Analyte detected in the associated Method Blank

RunNo: 61604

78.5

SeqNo: 2089024

LowLimit

70

Units: mg/Kg

130

%RPD

RPDLimit

Qual

HighLimit

- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

SPK value SPK Ref Val %REC

Page 6 of 9

WO#: 1907A69 25-Jul-19

L							
Hall Env	Hall Environmental Analysis Laboratory, Inc.						
Client:	ENSOLUM						

Project: Blanco	Storage									
Sample ID: MB-46344	BLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS Batch ID: 46344			RunNo: 61604							
Prep Date: 7/23/2019	Analysis D	ate: 7/	25/2019	S	SeqNo: 20	089025	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		111	70	130			

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

Page 7 of 9

.

Page	266	of 384
------	-----	--------

Hall Env	WO#:	1907A69 25-Jul-19	
Client:	ENSOLUM		
Project:	Blanco Storage		

0 1 10 00				-						
Sample ID: RB	Sampl	ype: ME	BLK	TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch	n ID: G6	1546	RunNo: 61546						
Prep Date:	Analysis D	ate: 7/	22/2019	SeqNo: 2086492			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	73.8	119			
Sample ID: 2.5UG GRO LCS		SampType: LCS TestCode: EPA Method 8015D: Gasoline Range								
Sample ID. 2.30G GRU LCS	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	B	
Client ID: LCSS		ype: LC 1D: G6			tCode: EF		8015D: Gaso	line Rang	9	
•		n ID: G6	1546	F		1546	8015D: Gaso Units: mg/K	U	e	
Client ID: LCSS	Batch	n ID: G6	1546 22/2019	F	RunNo: 6	1546		U	e RPDLimit	Qual
Client ID: LCSS Prep Date:	Batch Analysis D	n ID: G6 Date: 7/	1546 22/2019	٦ S	RunNo: 6 4 SeqNo: 2 6	1546 086493	Units: mg/K	g		Qual

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 8 of 9

.

	WO#:	1907A69
all Environmental Analysis Laboratory, Inc.		25-Jul-19

	NSOLUM lanco Storage									
-										
Sample ID: RB	Samp	Type: ME	BLK	TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Bate	ch ID: B6	1546	RunNo: 61546						
Prep Date:	Analysis	Date: 7/	22/2019	8	SeqNo: 2	086510	Units: mg/k	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenze	ine 1.0		1.000		103	80	120			
Sample ID: 100NG BI	EX LCS Samp	Type: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Bate	ch ID: B6	1546	F	RunNo: 6	1546				
Prep Date:	Analysis	Date: 7/	22/2019	S	SeqNo: 2	086511	Units: mg/k	٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.2	80	120			
Toluene	1.0	0.050	1.000	0	99.9	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.2	80	120			
Kylenes, Total	2.9	0.10	3.000	0	96.6	80	120			
Surr: 4-Bromofluorobenze	ne 0.90		1.000		90.3	80	120			

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

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 9 of 9

Page	268	01	F 384
1 use		VJ	001

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmenta Alb TEL: 505-345-3975 Website: www.ha	490 uquerq 5 FAX:	l Hawkins N ue, NM 8710 505-345-410	s Sar	nple Log-In Check List
Client Name: ENSOLUM AZTEC	Work Order Number	: 1907	7A69		RcptNo: 1
Received By: Desiree Dominguez	7/20/2019 10:00:00 A	M	-	D>	
Completed By: Desiree Dominguez Reviewed By: V(7/22/14	7/20/2019 11:57:13 AI	М	~	D>	
Chain of Custody					
1. Is Chain of Custody complete?		Yes	\checkmark	No 🗌	Not Present
2. How was the sample delivered?		<u>Cour</u>	ier		
Log In 3. Was an attempt made to cool the samples?		Yes		No 🗌	
4. Were all samples received at a temperature	of >0° C to 6.0°C	Yes		No 🗌	NA 🗔
5. Sample(s) in proper container(s)?		Yes		No 🗌	
6. Sufficient sample volume for indicated test(s)	?	Yes		No 🗌	
7. Are samples (except VOA and ONG) properly	/ preserved?	Yes	\checkmark	No 🗔	
8. Was preservative added to bottles?		Yes		No 🗹	NA 🗀
9. VOA vials have zero headspace?		Yes		No 🗌	No VOA Vials 🗹
10. Were any sample containers received broker	1?	Yes		No 🗹	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes		No 🗌	# of preserved bottles checked for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of C	Custody?	Yes		No 🗌	Adjusted?
13. Is it clear what analyses were requested?				No 🗌	
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes		No 🗌	Checked by: DAD 7/12/19
Special Handling (if applicable)					
15. Was client notified of all discrepancies with t	his order?	Yes		No 🗀	NA 🗹
Person Notified: By Whom: Regarding: Client Instructions:	Date: Via: [_ eMa	ail [] Phor		☐ In Person
16. Additional remarks:					
	al Intact Seal No S Present	Seal D	atë <u>73Si</u> ç	ined By	

.

Received by OCD: 8/15/2023 10:45:18 AM

Rece	ived by	00	D: 8	/15/.	2 02 3	10:	:45:1	8 A	M				Τ										Pag	e 269 o	f 384
	ANALYSIS LABORATORY	www.hallenvironmental.com	37109	Tel. 505-345-3975 Fax 505-345-4107	Request	(tu	l∋sdA)∉_;	Prese A)	-VO	∋M 4- ,1 (AO ime	220 (S 250 (S 250 (S 250 (S 01al Cc		7									Pay Kuy - TC35719	CHCIM	; 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.
•			lawk	05-3/								M) 803	· ·										and and	NU C	ub-con
			901 F	el. 5								əq 180											is d	Æ.	Any s
			4	Г		-						.08:Hd.		Ľ	¥	≻					 	\square	Remarks: #		ssibility.
							208)	א _י ב י 	·\ 1441		- -	3TEX /		X	¥	メ									this pos
	٩		2000		もよう		ſ	Ummers	<u> - No</u>		Cooler Temp(incluing cP); 5, 7 +0.1 -58°C	HEAL No.		-002	- 003	- 00 h				_/	1.		$\frac{7/19}{16} \frac{1}{15} \frac{1266}{120}$	119	ies. This serves as notice of t
d Time:	d 🗆 Rush	le:	neo Sh		65-4 123 6 0 43	lager:		cupe	L Sum.		P(including CF); 5,	Preservative	(200 /			/							Via: Walt	VIA. Courtier	accredited laborator
Turn-Around Time:	X Standard	Project Name:	Bla	Project #:	SQ	Project Manager	×	٢	Sampler: On Ice.	# of Coolers:	Cooler Tem	Container	1402			/	11.	Synt	123	1			Repeived by:	A Change	contracted to other
Chain-of-Custody Record	Client: Ensolum		Mailing Address: 206 S R'o Courde	Suit A 87410	2/08 Phone #:	email or Fax#:	ige:	Ctandard Level 4 (Full Validation)	Accreditation:	/be)_		Doto Timo Moteiv Samula Nama	2 0000 2	19 5 030 5 4	9	71, dia 1330 5 HB-4 @ 41'-H						÷.	Date: Time: Relinquished by: X14/14 100 6 6	9 14pr	If necessary, samples submitted to Hall Environmental may be subc

Released to Imaging: 1/30/2024 3:00:11 PM



August 16, 2019

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OrderNo.: 1908614

RE: Blanco Storage

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 5 sample(s) on 7/24/2019 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1908614

Date Reported: 8/16/2019

CLIENT: ENSOLUM		Cl	ient Sa	ample II	D: HI	3-5					
Project: Blanco Storage	Collection Date: 7/23/2019 11:00:00 AM										
Lab ID: 1908614-001	Matrix: SOIL		Recei	ved Dat	e: 7/2	24/2019 11:15:00 AM					
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS						Analyst	CAS				
Chloride	ND	60		mg/Kg	20	8/14/2019 2:04:00 PM	46784				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	том				
Diesel Range Organics (DRO)	ND	8.9	н	mg/Kg	1	8/15/2019 2:56:48 PM	46758				
Motor Oil Range Organics (MRO)	ND	45	Н	mg/Kg	1	8/15/2019 2:56:48 PM	46758				
Surr: DNOP	96.3	70-130	Н	%Rec	1	8/15/2019 2:56:48 PM	46758				
EPA METHOD 8015D: GASOLINE RANGE	E					Analyst	NSB				
Gasoline Range Organics (GRO)	ND	5.0	н	mg/Kg	1	8/13/2019 12:39:01 PM	46741				
Surr: BFB	105	77.4-118	Н	%Rec	1	8/13/2019 12:39:01 PM	46741				
EPA METHOD 8021B: VOLATILES						Analyst	NSB				
Benzene	ND	0.025	н	mg/Kg	1	8/13/2019 12:39:01 PM	46741				
Toluene	ND	0.050	н	mg/Kg	1	8/13/2019 12:39:01 PM	46741				
Ethylbenzene	ND	0.050	н	mg/Kg	1	8/13/2019 12:39:01 PM	46741				
Xylenes, Total	ND	0.10	Н	mg/Kg	1	8/13/2019 12:39:01 PM	46741				
Surr: 4-Bromofluorobenzene	98.5	80-120	н	%Rec	1	8/13/2019 12:39:01 PM	46741				

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

Page 1 of 9

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1908614

Date Reported: 8/16/2019

CLIENT: ENSOLUM	Client Sample ID: HB-6 Collection Date: 7/23/2019 11:05:00 AM									
Project: Blanco Storage										
Lab ID: 1908614-002	Matrix: SOIL		Received Date: 7/24/2019 11:15:00							
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS						Analyst	CAS			
Chloride	ND	60		mg/Kg	20	8/14/2019 2:16:24 PM	46784			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	: TOM			
Diesel Range Organics (DRO)	ND	8.6	н	mg/Kg	1	8/15/2019 3:20:56 PM	46758			
Motor Oil Range Organics (MRO)	ND	43	н	mg/Kg	1	8/15/2019 3:20:56 PM	46758			
Surr: DNOP	97.7	70-130	Н	%Rec	1	8/15/2019 3:20:56 PM	46758			
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: NSB			
Gasoline Range Organics (GRO)	ND	5.0	Н	mg/Kg	1	8/13/2019 1:01:57 PM	46741			
Surr: BFB	102	77.4-118	Н	%Rec	1	8/13/2019 1:01:57 PM	46741			
EPA METHOD 8021B: VOLATILES						Analyst	: NSB			
Benzene	ND	0.025	н	mg/Kg	1	8/13/2019 1:01:57 PM	46741			
Toluene	ND	0.050	н	mg/Kg	1	8/13/2019 1:01:57 PM	46741			
Ethylbenzene	ND	0.050	Н	mg/Kg	1	8/13/2019 1:01:57 PM	46741			
Xylenes, Total	ND	0.10	Н	mg/Kg	1	8/13/2019 1:01:57 PM	46741			
Surr: 4-Bromofluorobenzene	95.2	80-120	н	%Rec	1	8/13/2019 1:01:57 PM	46741			

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 9

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1908614

Date Reported: 8/16/2019

CLIENT: ENSOLUM		Cl	ient S	ample II	D: HI	3 7				
Project: Blanco Storage	Collection Date: 7/23/2019 11:10:00 AM									
Lab ID: 1908614-003	Matrix: SOIL		Recei	ived Dat	e: 7/2	4/2019 11:15:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS						Analyst	CAS			
Chloride	ND	60		mg/Kg	20	8/14/2019 2:28:48 PM	46784			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	: TOM			
Diesel Range Organics (DRO)	ND	9.7	н	mg/Kg	1	8/15/2019 3:45:03 PM	46758			
Motor Oil Range Organics (MRO)	ND	48	н	mg/Kg	1	8/15/2019 3:45:03 PM	46758			
Surr: DNOP	106	70-130	Н	%Rec	1	8/15/2019 3:45:03 PM	46758			
EPA METHOD 8015D: GASOLINE RANG	E					Analyst	: NSB			
Gasoline Range Organics (GRO)	ND	5.0	н	mg/Kg	1	8/13/2019 1:24:49 PM	46741			
Surr: BFB	104	77.4-118	Н	%Rec	1	8/13/2019 1:24:49 PM	46741			
EPA METHOD 8021B: VOLATILES						Analyst	: NSB			
Benzene	ND	0.025	н	mg/Kg	1	8/13/2019 1:24:49 PM	46741			
Toluene	ND	0.050	н	mg/Kg	1	8/13/2019 1:24:49 PM	46741			
Ethylbenzene	ND	0.050	н	mg/Kg	1	8/13/2019 1:24:49 PM	46741			
Xylenes, Total	ND	0.099	Н	mg/Kg	1	8/13/2019 1:24:49 PM	46741			
Surr: 4-Bromofluorobenzene	96.4	80-120	Н	%Rec	1	8/13/2019 1:24:49 PM	46741			

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

Page 3 of 9

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1908614

Date Reported: 8/16/2019

CLIENT: ENSOLUM		Cl	ient Sa	ample I	D: HI	3 8					
Project: Blanco Storage	Collection Date: 7/23/2019 11:15:00 AM										
Lab ID: 1908614-004	Matrix: SOIL	Matrix: SOIL Received Date: 7/24/2019 11:1									
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS						Analyst	CAS				
Chloride	ND	60		mg/Kg	20	8/14/2019 2:41:13 PM	46784				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	TOM				
Diesel Range Organics (DRO)	ND	9.5	н	mg/Kg	1	8/15/2019 4:57:32 PM	46758				
Motor Oil Range Organics (MRO)	ND	47	Н	mg/Kg	1	8/15/2019 4:57:32 PM	46758				
Surr: DNOP	100	70-130	Н	%Rec	1	8/15/2019 4:57:32 PM	46758				
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: NSB				
Gasoline Range Organics (GRO)	ND	4.9	н	mg/Kg	1	8/13/2019 1:47:41 PM	46741				
Surr: BFB	102	77.4-118	н	%Rec	1	8/13/2019 1:47:41 PM	46741				
EPA METHOD 8021B: VOLATILES						Analyst	: NSB				
Benzene	ND	0.025	н	mg/Kg	1	8/13/2019 1:47:41 PM	46741				
Toluene	ND	0.049	Н	mg/Kg	1	8/13/2019 1:47:41 PM	46741				
Ethylbenzene	ND	0.049	Н	mg/Kg	1	8/13/2019 1:47:41 PM	46741				
Xylenes, Total	ND	0.098	Н	mg/Kg	1	8/13/2019 1:47:41 PM	46741				
Surr: 4-Bromofluorobenzene	95.1	80-120	н	%Rec	1	8/13/2019 1:47:41 PM	46741				

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 4 of 9

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1908614

Date Reported: 8/16/2019

CLIENT: ENSOLUM		Cl	ient Sa	ample II	D: HE	3 9					
Project: Blanco Storage	Collection Date: 7/23/2019 11:20:00 AM										
Lab ID: 1908614-005	Matrix: SOIL	24/2019 11:15:00 AM									
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS						Analyst	CAS				
Chloride	ND	60		mg/Kg	20	8/14/2019 3:18:26 PM	46784				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	BRM				
Diesel Range Organics (DRO)	ND	9.8	н	mg/Kg	1	8/15/2019 12:12:23 AM	46758				
Motor Oil Range Organics (MRO)	ND	49	н	mg/Kg	1	8/15/2019 12:12:23 AM	46758				
Surr: DNOP	73.7	70-130	Н	%Rec	1	8/15/2019 12:12:23 AM	46758				
EPA METHOD 8015D: GASOLINE RANGE	E					Analyst	NSB				
Gasoline Range Organics (GRO)	ND	4.9	н	mg/Kg	1	8/13/2019 2:10:34 PM	46741				
Surr: BFB	104	77.4-118	н	%Rec	1	8/13/2019 2:10:34 PM	46741				
EPA METHOD 8021B: VOLATILES						Analyst	NSB				
Benzene	ND	0.024	н	mg/Kg	1	8/13/2019 2:10:34 PM	46741				
Toluene	ND	0.049	н	mg/Kg	1	8/13/2019 2:10:34 PM	46741				
Ethylbenzene	ND	0.049	Н	mg/Kg	1	8/13/2019 2:10:34 PM	46741				
Xylenes, Total	ND	0.098	Н	mg/Kg	1	8/13/2019 2:10:34 PM	46741				
Surr: 4-Bromofluorobenzene	96.5	80-120	н	%Rec	1	8/13/2019 2:10:34 PM	46741				

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 5 of 9

.

Client:	ENS	OLUM									
Project:	Blan	co Storage									
Sample ID:	MB-46784	SampT	уре: М	BLK	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch	ID: 46	784	F	RunNo: 62	2158				
Prep Date:	8/14/2019	Analysis D	ate: 8/	14/2019	5	SeqNo: 21	109704	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-46784	SampT	ype: LC	s	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	ID: 46	784	F	RunNo: 62	2158				
Prep Date:	8/14/2019	Analysis D	ate: 8 /	14/2019	5	SeqNo: 21	109705	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	91.1	90	110			

- * 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

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

Page 6 of 9

1908614

16-Aug-19

WO#:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc

Page .	277	of 384
--------	-----	--------

	WO#:	1908614	
sis Laboratory, Inc.		16-Aug-19	

Client: ENSO	LUM		
Project: Blanco	Storage		
Sample ID: MB-46758	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics	
Client ID: PBS	Batch ID: 46758	RunNo: 62129	
Prep Date: 8/13/2019	Analysis Date: 8/14/2019	SeqNo: 2108956 Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit	Qual
Diesel Range Organics (DRO)	ND 10		
Motor Oil Range Organics (MRO)	ND 50		
Surr: DNOP	7.7 10.00	76.5 70 130	
Sample ID: MB-46805	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics	
Client ID: PBS	Batch ID: 46805	RunNo: 62154	
Prep Date: 8/15/2019	Analysis Date: 8/15/2019	SeqNo: 2109604 Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit	Qual
Surr: DNOP	9.5 10.00	94.6 70 130	
Sample ID: LCS-46805	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics	
Client ID: LCSS	Batch ID: 46805	RunNo: 62154	
Prep Date: 8/15/2019	Analysis Date: 8/15/2019	SeqNo: 2109605 Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit	Qual
Surr: DNOP	4.7 5.000	93.3 70 130	
Sample ID: LCS-46758	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics	
Client ID: LCSS	Batch ID: 46758	RunNo: 62154	
Prep Date: 8/13/2019	Analysis Date: 8/15/2019	SeqNo: 2110663 Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit	Qual
Diesel Range Organics (DRO)	47 10 50.00	0 94.1 63.9 124	
		94.9 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

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

Page 7 of 9

Hall Envi	WO#: 1908614 <i>16-Aug-19</i>	
Client:	ENSOLUM	
Project:	Blanco Storage	

Sample ID: MB-46741	SampT	уре: МЕ	BLK	Tes	TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch	n ID: 467	741	F	RunNo: 62099						
Prep Date: 8/12/2019	Analysis D	Date: 8/	13/2019	S	SeqNo: 2'	107590	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	ND	5.0									
	4000										
Surr: BFB	1000		1000		100	77.4	118				
Sample ID: LCS-46741		ype: LC		Tes			118 8015D: Gaso	oline Rang	e		
	SampT	ype: LC	s			PA Method		line Rang	e		
Sample ID: LCS-46741	SampT	n ID: 467	S 741	F	tCode: EF	PA Method 2099		0	e		
Sample ID: LCS-46741 Client ID: LCSS	SampT Batch	n ID: 467	S 741 13/2019	F	tCode: EF	PA Method 2099	8015D: Gasc	0	e RPDLimit	Qual	
Sample ID: LCS-46741 Client ID: LCSS Prep Date: 8/12/2019	SampT Batch Analysis D	n ID: 467 Date: 8/	S 741 13/2019	٦ S	tCode: EF RunNo: 62 SeqNo: 24	PA Method 2099 107591	8015D: Gasc Units: mg/K	(g		Qual	

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 8 of 9

.

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Page	279	of 384
------	-----	--------

WO#:	1908614
	16 Arra 10

16-Aug-19

Client: ENSO Project: Blanco	LUM o Storage									
Sample ID: MB-46741	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch	n ID: 46	741	F	RunNo: 6	2099				
Prep Date: 8/12/2019	Analysis D)ate: 8/	13/2019	5	SeqNo: 2	107617	Units: mg/K	ſg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		94.9	80	120			
Sample ID: LCS-46741	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch	n ID: 46	741	F	RunNo: 6	2099				
Prep Date: 8/12/2019	Analysis D)ate: 8/	13/2019	S	SeqNo: 2	107618	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	1.000	0	85.7	80	120			
Toluene	0.91	0.050	1.000	0	91.0	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.5	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.1	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		98.9	80	120			

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

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

Page 9 of 9

Page 280 of 384	Page	280	of 3	84
-----------------	------	-----	------	----

ANALYSIS LABORATORY	Hall Environm TEL: 505-345- Website: ww	49 Albuquer 3975 FAX:	01 Hawkins que, NM 87 505-345-4	NE 109 Sar 107	nple Log-In (Check List
Client Name: ENSOLUM AZTEC	Work Order Num	nber: 190	8614		RcptNo	: 1
Received By: Andy Freeman	7/24/2019 11:15:0	0 AM		andy		
Completed By: Yazmine Garduno	8/12/2019 11:42:4	9 AM		Alamán (Javan		
Reviewed By: DAO 8/12/19				Ψ. ·		
<u>Chain of Custody</u>						
1. Is Chain of Custody complete?		Yes	\checkmark	No 🗌	Not Present	
2. How was the sample delivered?		Cou	rier			
Log In 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(3)?	Yes		No 🗀		
$7_{\rm c}$ Are samples (except VOA and ONG) proper	ly preserved?	Yes		No 🗌		
8. Was preservative added to bottles?		Yes		No 🗹	NA 🗌	
9. VOA vials have zero headspace?		Yes		No 🗌	No VOA Vials 🗹	,
10. Were any sample containers received broke	en?	Yes		No 🗹 🛛		
11. Does paperwork match bottle labels?		Yes		No 🗆	# of preserved bottles checked for pH:	
(Note discrepancies on chain of custody)					```	≥12 unless note
12. Are matrices correctly identified on Chain of	Custody?				Adjusted?	<u> </u>
13. Is it clear what analyses were requested? 14. Were all holding times able to be met?				No 🗌 No 🗌	Checked by:	K Shulip
(If no, notify customer for authorization.)		Yes				A Olich
Special Handling (if applicable)				-		
15. Was client notified of all discrepancies with	this order?	Yes		No 🗌	NA 🗹	
Person Notified:	Date:	- .]
By Whom:	Via:	, C eMa	uil 🗌 Pho	ne 🗌 Fax	In Person	
Regarding:	· · · · · · · · · · · · · · · · · · ·					
Client Instructions:	· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
16. Additional remarks:						-
17. <u>Cooler Information</u>						

Receiv	ed by	0 C	D: 8 /.	15/2	023	10:4	45:18 A	M		_			T	Τ	Γ		Γ			1		Γ		Pa	<u>ge 281</u>	of 884
I	20																								1	1
		5					-																	2	5	2 4
		1	~									i												5	itte	al repo
i	Ξ	2	7105	Š			_			_														The COC was	in a	je i stic
i			M ³⁰	410		-																		The	Loc is 4 Analise	the ar
(<u>Ş</u> 3	ζ	la .c	345	sen	()	nəsdA\l																		(06 404	tated on th
ļ	1.		eral.	505	Rec			(AOV	/-imə	S) 0728	3					1							-ha/L	4 Alw (oc is whithen	/ notat
	ENVIRONMENTA	Í	environmental.com Albuquerque, NM 87109	Fax 505-345-4107	ysis					(AO	V) 0928	3												r -	A A Ínlia	cleart
1	AALL ENVIRONMENTAL ANAI VSTS I ABCBATODY		www.nailenvironmental.com ns NE - Albuquerque, NM (Anal	* ⊂	DS ⁺ POd	^{'z} ON	'°C	N 'J	<u>Э)-г, е</u>	X	$ \times$	X	X	X								they have been and	-	vil be
		ί								_	3 AADF													ב אק	i tai	i ferce
-			ww kins	45-3			SWIS				d ≈HA⊂													le ce	liek by Ha Freeman.	ور کر tracted
-			Hawl	05-3							M) 803					<u> </u>								6r	Feel	b-con
			4901 Hawkins NE	Tel. 505-345-3975							PG 1808													7	Misplaced 5, Hall. And Freeman. d	Any su
			4	-		_) / MKC						$ $ \times	<u>×</u>	X	$\left \times \right $					_			Remarks:	È đ	bility.
						(r208) e	TMB'	/ 38	TM TM	(LEX)		$\left \right\rangle$	$ $ \wedge	\times	\times								Ren		i possi
									144	0																of this
	۱.							97. <u>-</u> - 26.		<u>/// (°C)</u>	on Ø∫U													Time	Time	notice
	low						3				.₹₹	łØ	12	Õ	3	6								611		les as
	N S						n C		ON	2-0-2	OHEAL No.	$ \gamma$	[]]	Q	P	R								Date 7/24/19	Date	lis sen
	-		S				(ummels		ON C	2)							_						SS. T
	🛛 Rush		Storage				5				Preservative Type															oratori
ë	X	1					Kyle		X Tes	ng CF)	servi	1	l (ı											ed lab
Turn-Around Time:	~~		Blanco			Project Manager:	7	ar and a		Cooler Temp(Including CE)	Pre Typ			1	1										Via:	credit
ounc	Standard	Project Name:	6/6	#		Man			Unlue # of Coolers:	emp								-						s II		ther a
n-Ar	Star	ect	~	Project #:		ect		Sampler		ler T	Container Type and #	1- 402	1- 4 °2	1-4.2	- 462	-402									ved b	ad to o
Tur		Pro		Proj		Proj	•	San	# of Coo	မီ	- Con → Con	-		-	- (ĺ			Received by:	Received by	ntracte
			64				(u																		T	subco
p			6065. Kio Gande Suikt				Level 4 (Full Validation)												ĺ							lay be
00			Je la	0			Vali				Ð															ental m
Re			(an)	14 67410	5		Full				Sample Name	,	~ 0													ironme
۲y			0	4 0	5.60		el 4	e e			le N	$\dot{\mathcal{S}}$	HB-1	H87	H68	HG9										all Env
to			V	W.	-12		Levi	lianc	Ē		dme	H6-	H	H	Ħ	H										d to Ha
ns	-		5	Pe c	903-121-5603			dmo			Sec.									_	_		:	ed by	ed by	omitted
ပု	in		60	A, RC	90			□ Az Compliance			trix	ا زمکر	56.1	Je. (lior	ا مر								Kelinquished by:	Relinquished by:	les sut
ō	Ensolum										Matrix	ير ا	ベ	2	3	7							- -		Relir	samp
ain	(L)		dres			;#X	kage. d	:uc	(be)		Ę	llou	lus	Шo	llis	9711						Ī	Ī	inš		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.
Chain-of-Custody Record			g Ad		#	or Fa	: Pac ndan	litatiı ∆∩	ΞE		Time			[F		Time:	lf nece
	Client:		Mailing Address:		Phone #:	email or Fax#:	QA/QC Package:	Accreditation:	EDD (Type)		Date	hk a/L	7/23/19	7/23/19	23/19	712319						Í		e	ë	
Palaas	U I	Inco	≥	1/2	[五 (20	ซิ 24 (ở □ 2.00.11				ŏ	1		7	7		-						Ċ		Date:	



September 16, 2019

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OrderNo.: 1909356

Dear Kyle Summers:

RE: Blanco Storage

Hall Environmental Analysis Laboratory received 2 sample(s) on 9/7/2019 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1909356

Date Reported: 9/16/2019

CLIENT: ENSOLUM	Client Sample ID: HB-10 @ 1'-5'										
Project: Blanco Storage			Collection Dat	e: 9/6	5/2019 9:00:00 AM						
Lab ID: 1909356-001	Matrix: SOIL		Received Dat	ved Date: 9/7/2019 1:30:00 PM							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch					
EPA METHOD 300.0: ANIONS					Analyst:	SRM					
Chloride	ND	60	mg/Kg	20	9/12/2019 5:05:34 PM	47442					
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	BRM					
Diesel Range Organics (DRO)	ND	11	mg/Kg	1	9/12/2019 4:15:35 PM	47424					
Motor Oil Range Organics (MRO)	ND	53	mg/Kg	1	9/12/2019 4:15:35 PM	47424					
Surr: DNOP	96.6	70-130	%Rec	1	9/12/2019 4:15:35 PM	47424					
EPA METHOD 8015D: GASOLINE RANG	E				Analyst:	NSB					
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/12/2019 6:07:34 PM	47421					
Surr: BFB	97.2	77.4-118	%Rec	1	9/12/2019 6:07:34 PM	47421					
EPA METHOD 8021B: VOLATILES					Analyst:	NSB					
Benzene	ND	0.025	mg/Kg	1	9/12/2019 6:07:34 PM	47421					
Toluene	ND	0.049	mg/Kg	1	9/12/2019 6:07:34 PM	47421					
Ethylbenzene	ND	0.049	mg/Kg	1	9/12/2019 6:07:34 PM	47421					
Xylenes, Total	ND	0.099	mg/Kg	1	9/12/2019 6:07:34 PM	47421					
Surr: 4-Bromofluorobenzene	89.6	80-120	%Rec	1	9/12/2019 6:07:34 PM	47421					

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

Page 1 of 6

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1909356

Date Reported: 9/16/2019

CLIENT: ENSOLUM		Cl	lient Sample II	D: HI	3-11 @ 1'-5'	
Project: Blanco Storage		(Collection Dat	e: 9/6	5/2019 10:00:00 AM	
Lab ID: 1909356-002	Matrix: SOIL	7/2019 1:30:00 PM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	SRM
Chloride	ND	60	mg/Kg	20	9/12/2019 5:17:59 PM	47442
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	9/12/2019 4:37:54 PM	47424
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/12/2019 4:37:54 PM	47424
Surr: DNOP	100	70-130	%Rec	1	9/12/2019 4:37:54 PM	47424
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/12/2019 6:30:22 PM	47421
Surr: BFB	95.2	77.4-118	%Rec	1	9/12/2019 6:30:22 PM	47421
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	9/12/2019 6:30:22 PM	47421
Toluene	ND	0.049	mg/Kg	1	9/12/2019 6:30:22 PM	47421
Ethylbenzene	ND	0.049	mg/Kg	1	9/12/2019 6:30:22 PM	47421
Xylenes, Total	ND	0.098	mg/Kg	1	9/12/2019 6:30:22 PM	47421
Surr: 4-Bromofluorobenzene	86.5	80-120	%Rec	1	9/12/2019 6:30:22 PM	47421

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 6

Client:	ENS	OLUM									
Project:	Blan	co Storage									
Sample ID: M	IB-47442	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID: P	BS	Batch	n ID: 47	442	F	RunNo: 62	2896				
Prep Date:	9/12/2019	Analysis D	ate: 9/	12/2019	S	SeqNo: 21	43661	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID: L	CS-47442	SampT	ype: LC	s	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID: L	CSS	Batch	n ID: 47	442	F	RunNo: 62	2896				
Prep Date:	9/12/2019	Analysis D	ate: 9/	12/2019	S	SeqNo: 21	43662	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	96.2	90	110			

- * 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

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

Page 3 of 6

WO#: **1909356** *16-Sep-19*

L.		WO#:	1909356
Hall Env	rironmental Analysis Laboratory, Inc.		16-Sep-19
Client:	ENSOLUM		

Project: Blanco	Storage									
Sample ID: MB-47424	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batc	h ID: 47	424	F	RunNo: 6	2855				
Prep Date: 9/11/2019	Analysis E	Date: 9/	12/2019	S	SeqNo: 2	141599	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.5		10.00		95.0	70	130			

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 4 of 6

ENSOLUM

Blanco Storage

Client:

Project:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

1

Qual
Qual
Qual
Qual
S
Qual
Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 5 of 6

WO#: **1909356**

16-Sep-19

	WO#:	1909356
vironmental Analysis Laboratory, Inc.		16-Sep-19

Client:ENSOProject:Blanco	LUM Storage									
Sample ID: MB-47421	SampT	ype: ME	BLK	Tes						
Client ID: PBS	Batc	h ID: 47	421	RunNo: 62879						
Prep Date: 9/11/2019	Analysis E	Date: 9/	12/2019	SeqNo: 2142874			Units: mg/k	٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.86		1.000		86.0	80	120			
Sample ID: LCS-47421	SampT	SampType: LCS TestCode: EPA Method 8					8021B: Volat	tiles		
Client ID: LCSS	Batc	Batch ID: 47421			7421 RunNo: 62879					
Prep Date: 9/11/2019	Analysis E	s Date: 9/12/2019		S	SeqNo: 2	142875	Units: mg/k	٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.2	80	120			
Toluene	0.99	0.050	1.000	0	99.2	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Kylenes, Total	2.9	0.10	3.000	0	98.0	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		93.4	80	120			

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 6 of 6
ANAL	RONMENTAL .YSIS Ratory		4901 Hawkins Albuquerque, NM 87 3975 FAX: 505-345-4 ww.hallenvironmental.	^{NE} 109 San	nple Log-In Check List
Client Name:	ENSOLUM AZTEC	Work Order Nur	nber: 1909356		RcptNo: 1
Received By:	Yazmine Garduno	9/7/2019 1:30:00	PM	rifaquin befordurts Anne Ar	6
Completed By:	Anne Thorne	9/9/2019 12:42:30	PM	Den A.	
Reviewed By:	LB	9/9/19		Cana Ji C	
Chain of Cus	stody				
1. Is Chain of C	Custody complete?		Yes 🔽	No 🗌	Not Present
2. How was the	sample delivered?		Courier		
Log In 3. Was an atter	npt made to cool the sampl	es?	Yes 🗸	No 🗌	
4. Were all sam	ples received at a temperat	ure of >0° C to 6.0°C			
5. Sample(s) in	proper container(s)?		CW CONTACTIN Yes V	No 🗌	
Sufficient san	nple volume for indicated te	st(s)?	Yes 🗸	No 🗌	
7. Are samples	(except VOA and ONG) pro	perly preserved?	Yes 🗸	No 🗌	
3. Was preserva	ative added to bottles?		Yes	No 🔽	NA 🗌
). VOA vials hav	ve zero headspace?		Yes	No 🗌	No VOA Vials 🗹 🍐
0. Were any sar	mple containers received br	oken?	Yes	No 🗹	# of preserved
	ork match bottle labels? ancies on chain of custody)		Yes 🗸	No 🗌	bottles checked for pH: (<2/or >12 unless noted)
	correctly identified on Chain	of Custody?	Yes 🗹	No 🗌	Adjusted?
	t analyses were requested?		Yes 🖌	No 🗌	/ NEGICILA
	ng times able to be met? ustomer for authorization.)		Yes 🗹	No 🗌	
pecial Handl	ling (if applicable))
	tified of all discrepancies w	ith this order?	Yes	No 🗌	NA 🗹
Person	Notified:	Date	> [
By Who	om:	Via:	eMail Ph	none 🗌 Fax	In Person
Regard	- 4				
Client I	nstructions:				
6. Additional re	marks:				
CUSTO	DY SEALS INTACT ON SC	DIL JARS/at 9/9/19			
7. <u>Cooler Infor</u> Cooler No 1	Temp °C Condition	Seal Intact Seal No Yes	Seal Date	Signed By	

Page 1 of 1

	YSIS LABORATORY	-	37109	Eax 505-345-4107	Analysis Request	() () ()		20 / DR 5/808/5 or 827(5 , NO ₂ , (A) Preser	-00 +10 ³ +10 -10 - 10 - (CK	astic ethc y 83 b Me br, b d v, b b d d d d d d d d d d d d d d d d d d	8081 Pe BOB1 Pe BDB (M PH45 b PH5 b PH5 b PH5 b PH5 b P PD (S P P P P P P P P P P P P P P P P P P P		X				Remarks: PM-Tom leng Remarks:	If he contracted 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.
Turn-Around Time:	🖉 Standard 🛛 🗆 Rush	Project Name:	Blanw Strage	Project #:	Chogeely SO	Project Manager:	K. Sumes	Sampler: 2 DA Jon L. On Ice: D Yes D No	ilers: (Cooler Temp(including CF): 7_0+03:7.5	Container Preservative HEAL No. Type and # Type	Coul	102 201 201 201				Received by: Via: Date Time Received by: Via: Date Time	where accredited laboratories. This serves as notice of this
hain-of-Custody Record	Client: Ensolum		Mailing Address: 60/ S R'S Carde		Phone #:	email or Fax#:	QA/QC Package:	Accreditation:			Date Time Matrix Sample Name	300 5 HB-10 01-5 00	16/14 1000 S HQ-11@1-5' @V				Time: Relinquished by:	$\frac{1}{1}l_{k}\left l_{s}\right $ $\frac{1}{2}$



January 22, 2020

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Hall Environmental Analysis Laboratory

4901 Hawkins NE

RE: Blanco Storage

OrderNo.: 2001728

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 2 sample(s) on 1/18/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Project:

Lab ID:

Analytical Report Lab Order 2001728

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/22/2020 **CLIENT: ENSOLUM Client Sample ID: S-53** Blanco Storage Collection Date: 1/17/2020 9:30:00 AM 2001728-001 Matrix: MEOH (SOIL) Received Date: 1/18/2020 10:00:00 AM

Analyses	Result	RL	Qual Unit	s Dł	F Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	60	mg/K	g 20	0 1/20/2020 10:47:48 AM	49911
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.8	mg/K	g 1	1/20/2020 10:11:04 AN	49907
Motor Oil Range Organics (MRO)	ND	49	mg/K	g 1	1/20/2020 10:11:04 AN	49907
Surr: DNOP	81.9	55.1-146	%Re	c 1	1/20/2020 10:11:04 AM	49907
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	22	mg/K	g 5	1/20/2020 10:28:49 AN	G65910
Surr: BFB	78.7	66.6-105	%Re	c 5	1/20/2020 10:28:49 AM	G65910
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.11	mg/K	g 5	1/20/2020 10:28:49 AN	B65910
Toluene	ND	0.22	mg/K	g 5	1/20/2020 10:28:49 AN	B65910
Ethylbenzene	ND	0.22	mg/K	g 5	1/20/2020 10:28:49 AM	B65910
Xylenes, Total	ND	0.45	mg/K	g 5	1/20/2020 10:28:49 AM	B65910
Surr: 4-Bromofluorobenzene	91.6	80-120	%Re	c 5	1/20/2020 10:28:49 AM	B65910

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

Page 1 of 8

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2001728

Date Reported: 1/22/2020

CLIENT:	: ENSOLUM	С	lient Sample ID: S-54
Project:	Blanco Storage		Collection Date: 1/17/2020 9:35:00 AM
Lab ID:	2001728-002	Matrix: MEOH (SOIL)	Received Date: 1/18/2020 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	ND	60		mg/Kg	20	1/20/2020 11:00:12 AM	49911
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst	BRM
Diesel Range Organics (DRO)	360	9.5		mg/Kg	1	1/20/2020 10:20:00 AM	49907
Motor Oil Range Organics (MRO)	150	47		mg/Kg	1	1/20/2020 10:20:00 AM	49907
Surr: DNOP	121	55.1-146		%Rec	1	1/20/2020 10:20:00 AM	49907
EPA METHOD 8015D: GASOLINE RANGE						Analyst	NSB
Gasoline Range Organics (GRO)	1500	20		mg/Kg	5	1/20/2020 10:52:07 AM	G65910
Surr: BFB	1030	66.6-105	S	%Rec	5	1/20/2020 10:52:07 AM	G65910
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	1.1	0.10		mg/Kg	5	1/20/2020 10:52:07 AM	B65910
Toluene	20	2.0		mg/Kg	50	1/20/2020 2:00:06 PM	B65910
Ethylbenzene	11	0.20		mg/Kg	5	1/20/2020 10:52:07 AM	B65910
Xylenes, Total	110	4.1		mg/Kg	50	1/20/2020 2:00:06 PM	B65910
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	50	1/20/2020 2:00:06 PM	B65910

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

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

Page 2 of 8

Client:	ENS	OLUM									
Project:	Blan	co Storage									
Sample ID: M	B-49911	SampT	ype: m t	olk	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID: PI	BS	Batch	n ID: 49	911	F	RunNo: 6	5902				
Prep Date:	1/20/2020	Analysis D	ate: 1/	20/2020	S	SeqNo: 2	264169	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID: LO	CS-49911	SampT	ype: Ics	5	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID: LO	css	Batch	n ID: 49	911	F	RunNo: 6	5902				
Prep Date:	1/20/2020	Analysis D	ate: 1/	20/2020	S	SeqNo: 2	264170	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	93.3	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

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

WO#: 2001728 22-Jan-20

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	WO#:	2001728
2.		22-Jan-20

Client:	ENSOLU										
Project:	Blanco St	orage									
Sample ID: 2	2001728-001AMS	SampT	ype: M\$	6	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	S-53	Batch	n ID: 49	907	F	RunNo: 6	5901				
Prep Date:	1/20/2020	Analysis D	ate: 1/	20/2020	ç	SeqNo: 2	263244	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range O	rganics (DRO)	52	9.7	48.69	6.155	93.3	47.4	136			
Surr: DNOP		3.9		4.869		79.5	55.1	146			
Sample ID: 2	2001728-001AMSE) SampT	ype: M	SD	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	S-53	Batch	n ID: 49	907	F	RunNo: 6	5901				
Prep Date:	1/20/2020	Analysis D	ate: 1/	20/2020	S	SeqNo: 2	263245	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range O	rganics (DRO)	53	9.9	49.70	6.155	94.3	47.4	136	2.74	43.4	
Surr: DNOP		4.1		4.970		81.5	55.1	146	0	0	
Sample ID:	LCS-49907	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	LCSS	Batch ID: 49907 RunNo: 65901									
Prep Date:	1/20/2020	Analysis D	ate: 1/	20/2020	S	SeqNo: 2	263253	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range O	rganics (DRO)	50	10	50.00	0	100	63.9	124			
Surr: DNOP		4.1		5.000		81.0	55.1	146			
Sample ID: I	MB-49907	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	PBS	Batch	n ID: 49	907	F	RunNo: 6	5901				
Prep Date:	1/20/2020	Analysis D	ate: 1/	20/2020	S	SeqNo: 2	263254	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range O	rganics (DRO)	ND	10					-			
-	e Organics (MRO)	ND	50			_					
Surr: DNOP		8.0		10.00		80.5	55.1	146			
Sample ID: I	LCS-49861	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	LCSS	Batch	n ID: 49	861	F	RunNo: 6	5901				
Prep Date:	1/16/2020	Analysis D	ate: 1/	21/2020	S	SeqNo: 2	263856	Units: %Red	•		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		5.3		5.000		107	55.1	146			
Sample ID: I	LCS-49891	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:			n ID: 49			RunNo: 6			5	-	
Prep Date:		Analysis D	ate: 1/	20/2020		SeqNo: 2		Units: %Red	•		
Analyte		Result	PQL		SPK Ref Val		LowLimit	HighLimit	%RPD	RPDLimit	Qual
, indivic		Result	iv∢∟			/UINEO	LOWLINI	riigiiLiitiit			Quai

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

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

Page 4 of 8

QC SUMMARY REPORT Hall Env

Page	296	of 384
------	------------	--------

	WO#:	2001728
vironmental Analysis Laboratory, Inc.		22-Jan-20

	NSOLUM lanco Storage	
Sample ID: LCS-4989	1 SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 49891	RunNo: 65901
Prep Date: 1/17/202	0 Analysis Date: 1/20/2020	SeqNo: 2263857 Units: %Rec
Analyte	Result PQL SPK value S	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	4.0 5.000	79.2 55.1 146
Sample ID: MB-4986	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 49861	RunNo: 65901
Prep Date: 1/16/202	0 Analysis Date: 1/21/2020	SeqNo: 2263860 Units: %Rec
Analyte	Result PQL SPK value S	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	11 10.00	108 55.1 146
Sample ID: MB-4989	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 49891	RunNo: 65901
Prep Date: 1/17/202	0 Analysis Date: 1/20/2020	SeqNo: 2263861 Units: %Rec
Analyte	Result PQL SPK value S	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	8.9 10.00	89.4 55.1 146

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 5 of 8

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

: 2001728	WO#:	
22-Jan-20		

	OLUM co Storage								
Sample ID: rb	SampType: MB	LK	Test	tCode: EF	PA Method	8015D: Gaso	line Rang	9	
Client ID: PBS	Batch ID: G65	5910	R	RunNo: 65	5910				
Prep Date:	Analysis Date: 1/2	0/2020	S	SeqNo: 22	263618	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO Surr: BFB	ND 5.0 770	1000		77.4	66.6	105			
Sample ID: 2.5ug gro Ics	b SampType: LCS	3	Test	tCode: EF	A Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batch ID: G65	5910	R	RunNo: 65	5910				
Prep Date:	Analysis Date: 1/2	0/2020	S	SeqNo: 22	263619	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO	25 5.0	25.00	0	98.0	80	120			
Surr: BFB	890	1000		88.5	66.6	105			
Sample ID: 2001728-001	MS SampType: MS		Test	tCode: EF	A Method	8015D: Gaso	line Rang	e	
Client ID: S-53	Batch ID: G65	5910	R	RunNo: 65	5910				
Prep Date:	Analysis Date: 1/2	0/2020	S	SeqNo: 22	263620	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	90 22	112.2	0	79.9	69.1	142			
Surr: BFB	4600	4488		101	66.6	105			
Sample ID: 2001728-001	MSD SampType: MS	D	Test	tCode: EF	PA Method	8015D: Gaso	line Rang	9	
Client ID: S-53	Batch ID: G65	5910	R	RunNo: 65	5910				
Prep Date:	Analysis Date: 1/2	0/2020	S	SeqNo: 22	263621	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	140 22	112.2	0	127	69.1	142	45.3	20	R
Surr: BFB	4400	4488		98.2	66.6	105	0	0	
Sample ID: mb-49896	SampType: MB	LK	Test	tCode: EF	A Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batch ID: 498	96	R	RunNo: 65	5910				
Prep Date: 1/17/2020	Analysis Date: 1/2	0/2020	S	SeqNo: 22	263634	Units: %Red	;		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	820	1000		82.0	66.6	105			
Sample ID: Ics-49896	SampType: LC:	3	Test	tCode: EF	A Method	8015D: Gaso	line Rang	9	
Client ID: LCSS	Batch ID: 498	96	R	RunNo: 65	5910				
Prep Date: 1/17/2020	Analysis Date: 1/2	0/2020	S	SeqNo: 22	263635	Units: %Red	;		
			SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Analyte	Result PQL	SPK value	SFK Kel val	/0KEC	LOWLINI	riigii∟iiiit			Quui

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

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 6 of 8

ENSOLUM

Blanco Storage

Client:

Project:

Sample ID: rb

Prep Date:

Analyte

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Surr: 4-Bromofluorobenzene

Client ID: LCSS

Sample ID: 100ng btex lcsb

Client ID: PBS

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Result

ND

ND

ND

ND

0.90

SampType: MBLK

Batch ID: B65910

PQL

0.025

0.050

0.050

0.10

SampType: LCS

Batch ID: B65910

SPK value SPK Ref Val

1.000

Analysis Date: 1/20/2020

Prep Date:	Analysis D	ate: 1/	20/2020	S	SeqNo: 2	263651	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qua
Benzene	1.0	0.025	1.000	0	99.8	80	120			
Toluene	0.99	0.050	1.000	0	99.5	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.1	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.6	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		93.4	80	120			
Sample ID: 2001728-002AMS	SampT	уре: МS	6	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: S-54	Batch	ID: B6	5910	F	RunNo: 6	5910				
Prep Date:	Analysis D	ate: 1/	20/2020	8	SeqNo: 2	263652	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qua
Benzene	5.1	0.10	4.058	1.118	98.6	78.5	119			
Toluene	25	0.20	4.058	20.73	113	75.7	123			E
Ethylbenzene	15	0.20	4.058	10.60	99.6	74.3	126			
Xylenes, Total	120	0.41	12.18	105.4	107	72.9	130			E
Surr: 4-Bromofluorobenzene	6.1		4.058		149	80	120			S
Sample ID: 2001728-002AMS	D SampT	ype: MS	SD	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: S-54	Batch	ID: B6	5910	F	RunNo: 6	5910				
Cilent ID. 3-34	Daton									
Prep Date:	Analysis D		20/2020	5	SeqNo: 2	263653	Units: mg/k	٢g		
				SPK Ref Val	eqNo: 2 : %REC	263653 LowLimit	Units: mg/k HighLimit	(g %RPD	RPDLimit	Qua
Prep Date:	Analysis D	ate: 1/					•	•	RPDLimit 20	Qua
Prep Date: Analyte	Analysis D Result	ate: 1/	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD		
Prep Date: Analyte Benzene	Analysis D Result 7.7	ate: 1/ <u>PQL</u> 0.10	SPK value 4.058	SPK Ref Val 1.118	%REC 161	LowLimit 78.5	HighLimit 119	%RPD 39.6	20	RS
Prep Date: Analyte Benzene Toluene	Analysis D Result 7.7 30	ate: 1/ PQL 0.10 0.20	SPK value 4.058 4.058	SPK Ref Val 1.118 20.73	%REC 161 233	LowLimit 78.5 75.7	HighLimit 119 123	%RPD 39.6 17.5	20 20	RS ES
Prep Date: Analyte Benzene Toluene Ethylbenzene	Analysis D Result 7.7 30 19	ate: 1 / PQL 0.10 0.20 0.20	SPK value 4.058 4.058 4.058	SPK Ref Val 1.118 20.73 10.60	%REC 161 233 197	LowLimit 78.5 75.7 74.3	HighLimit 119 123 126	%RPD 39.6 17.5 23.9	20 20 20	RS ES RS
Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total	Analysis D Result 7.7 30 19 140	ate: 1 / PQL 0.10 0.20 0.20	SPK value 4.058 4.058 4.058 12.18	SPK Ref Val 1.118 20.73 10.60	%REC 161 233 197 274	LowLimit 78.5 75.7 74.3 72.9	HighLimit 119 123 126 130	%RPD 39.6 17.5 23.9 15.8	20 20 20 20	RS ES RS ES
Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Qualifiers: * Value exceeds Maximum Contamina	Analysis D Result 7.7 30 19 140 6.7	ate: 1 / PQL 0.10 0.20 0.20	SPK value 4.058 4.058 4.058 12.18	SPK Ref Val 1.118 20.73 10.60 105.4 B Analyte de	%REC 161 233 197 274 165	LowLimit 78.5 75.7 74.3 72.9 80	HighLimit 119 123 126 130 120	%RPD 39.6 17.5 23.9 15.8	20 20 20 20	RS ES RS ES
Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Qualifiers: * Value exceeds Maximum Contamina D Sample Diluted Due to Matrix	Analysis D <u>Result</u> 7.7 30 19 140 6.7 nt Level.	ate: 1 / PQL 0.10 0.20 0.20	SPK value 4.058 4.058 4.058 12.18	SPK Ref Val 1.118 20.73 10.60 105.4	%REC 161 233 197 274 165	LowLimit 78.5 75.7 74.3 72.9 80 ssociated Method range	HighLimit 119 123 126 130 120 Blank	%RPD 39.6 17.5 23.9 15.8	20 20 20 20	RS ES RS ES
Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Qualifiers: * Value exceeds Maximum Contamina	Analysis D Result 7.7 30 19 140 6.7 nt Level.	ate: 1 / PQL 0.10 0.20 0.20	SPK value 4.058 4.058 4.058 12.18	SPK Ref Val 1.118 20.73 10.60 105.4 B Analyte de E Value abou J Analyte de P Sample PH	%REC 161 233 197 274 165 tected in the aa re quantitation tected below q Not In Range	LowLimit 78.5 75.7 74.3 72.9 80 ssociated Method range wantitation limits	HighLimit 119 123 126 130 120 Blank	%RPD 39.6 17.5 23.9 15.8	20 20 20 20 0	RS ES ES S
Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Qualifiers: * Value exceeds Maximum Contamina D Sample Diluted Due to Matrix H Holding times for preparation or anal	Analysis D Result 7.7 30 19 140 6.7 nt Level.	ate: 1 / PQL 0.10 0.20 0.20	SPK value 4.058 4.058 4.058 12.18	SPK Ref Val 1.118 20.73 10.60 105.4	%REC 161 233 197 274 165 tected in the aa re quantitation tected below q Not In Range	LowLimit 78.5 75.7 74.3 72.9 80 ssociated Method range wantitation limits	HighLimit 119 123 126 130 120 Blank	%RPD 39.6 17.5 23.9 15.8	20 20 20 20	R E E S

WO#:	2001728
	22_ Ian_20

TestCode: EPA Method 8021B: Volatiles

80

TestCode: EPA Method 8021B: Volatiles

Units: mg/Kg

120

%RPD

RPDLimit

HighLimit

RunNo: 65910

90.0

RunNo: 65910

SeqNo: 2263650

%REC LowLimit

22-Jan-20

Qual

Qual

Qual

Qual RS ES RS ES S **ENSOLUM**

Client:

	WO#:	2001728
ll Environmental Analysis Laboratory, Inc.		22-Jan-20

Project: Blanco	Storage								
Sample ID: mb-49896	SampType:	//BLK	Test	Code: EF	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch ID: 4	9896	R	unNo: 6	5910				
Prep Date: 1/17/2020	Analysis Date:	1/20/2020	S	eqNo: 2	263654	Units: %Red	;		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.95	1.000		94.7	80	120			
Sample ID: LCS-49896	SampType: I	CS	Test	Code: EF	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch ID: 4	9896	R	unNo: 6	5910				
Prep Date: 1/17/2020	Analysis Date:	1/20/2020	S	eqNo: 2	263655	Units: %Red	;		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.92	1.000		92.1	80	120			

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 8 of 8

Released to Imaging: 1/30/2024 3:00:11 PM

ANALYSIS	Hall Environmental Albu TEL: 505-345-3975 Website: www.hal	4901 querqu FAX: 5	Hawkins NE e, NM 87109 05-345-4107	Sample Log-In Check List				
Client Name: ENSOLUM AZTEC	Nork Order Number:	20017	28		RcptNo: 1			
	8/2020 10:00:00 AM 8/2020 10:39:02 AM		V. V	MA				
Reviewed By: MA 1/18/20								
<u>Chain of Custody</u>								
1. Is Chain of Custody sufficiently complete?		Yes	~	No 🗌	Not Present			
2. How was the sample delivered?		Courie	<u>er</u>					
Log In								
3. Was an attempt made to cool the samples?		Yes		No 🗌				
4. Were all samples received at a temperature of >0	0° C to 6.0°C	Yes		No 🗌				
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 pre	served?	Yes 🛛		No 🗌				
8. Was preservative added to bottles?		Yes [N	No 🔽	NA 🗌			
9. Received at least 1 vial with headspace <1/4" for	AQ VOA?	Yes [- N	lo 🗌	NA 🗹			
10. Were any sample containers received broken?		Yes [No 🔽	# of preserved			
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes	/ N	No 🗌	bottles checked for pH: (<2 or >12 unless noted)			
12. Are matrices correctly identified on Chain of Custo	odv?	Yes		10 🗌	Adjusted?			
13. 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		10	Checked by: ENM 1/18/20			
Special Handling (if applicable)		×.		/				
15. Was client notified of all discrepancies with this o	rder?	Yes [I	No 🗌	NA 🔽			
Person Notified:	Date:							
By Whom:	Via:] eMai	Phone	🗌 Fax	In Person			
Regarding:	Notes and a second s	na maana an	a chaon na march a sa d	(34),367 5 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4				
Client Instructions:								
16. Additional remarks:								
17. <u>Cooler Information</u>								
Cooler No Temp °C Condition Seal In	tact Seal No Se	eal Dat	e Signe	ed By				

Page 1 of 1

Received by OCD: 8/15/2023	10:45:18 AM		Page 301 of 384
OR			The Day
			U/18, cal repo
ENVIRONMEN YSIS LABORA1 environmental.com Albuquerque, NM 87109 Fax 505-345-4107 alysis Request	<u> </u>		. analyti
ALL ENVIRONN NALYSIS LABOI www.hallenvironmental.com ns NE - Albuquerque, NM 87 5-3975 Fax 505-345-4107 Analysis Request	Total Coliform (Present/Absent)		779 don the
IRO LAE nental.co erque, NI 505-345. Request	(AOV-im92) 0728		notate
ENV ENV LYSIS allenvironr allenvironr - Albuqu Fax Analysis	(AOV) 0928		12 DOLCI
	CI' E' BY MO3' MO5' LO' 20	22	1 34 in the
HALI ANA www.h kins NE 345-397	PAHs by 8310 or 8270SIMS RCRA 8 Metals		TON NA.
HALL ANAI www.ha 4901 Hawkins NE Tel. 505-345-3975	EDB (Method 504.1)		A H H
01 Hs	8081 Pesticides/8082 PCB's		PF Par
4901 Tel.	трн:8015D(GRO / DRO / MRO)	4.2	Remarks: <u> K</u> Scoll possibility. A
	BTEX / MTBE/ TMB's (8021)	Z R	is possi
180% sh 1000 61 agu	D.1(CE)=1.1°C	100-	Date Time Remarks: P.M. (D.M. Cong. 10, 1348 Remarks: P.M. (D.M. Cong. 2. Date Time AFE & NY1343 1/18/20 * Secul in that an Cooler * -ENM 1/18/ 1. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report
Time: 	SUMUS SUMUS ADDE A DADE A Yes (Including CF): 1. 0 t Preservative Type	leal - leal	Via: What durier
Turn-Around □ Standard Project Name B/a/	Project Manager: <i>K Summ</i> Sampler: <i>N D K</i> On Ice: X Yes # of Coolers: / Cooler Temp(induding cF): Container Preservat Type and # Type	102 102 152/ 152/	Received by: Received by:
Client: Enscolor Record Client: Enschim Mailing Address: Lou S Rio Gaurle Sui-L A RIVIO Phone #:	email or Fax#: QA/QC Package: CA/CC Package: CA/CC Package: CA/CC Package: CA/CC Package: Accreditation: CA/CC Package: Accreditation: CA/CO Package: CA/CO Package:	20 930	Date: Time: Relinquished by: Via: N/7/20 124/8 MMAL WML Date: Time: Relinquished by: Date: Time: Relinquished by: Interestant, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories.



January 23, 2020

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX

OrderNo.: 2001819

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

RE: Blanco Storage

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 3 sample(s) on 1/22/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2001819

Date Reported: 1/23/2020

CLIENT: ENSOLUM	Client Sample ID: S-55 Collection Date: 1/21/2020 12:00:00 PM Matrix: SOIL Received Date: 1/22/2020 8:05:00 AM								
Project: Blanco Storage Lab ID: 2001819-001									
Lab ID. 2001819-001	Maura, SOIL		Received Date: 1/22/2020 8.05.00 /						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	MRA			
Chloride	ND	60	mg/Kg	20	1/22/2020 10:41:59 AM	49969			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	BRM			
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	1/22/2020 10:13:35 AM	49967			
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	1/22/2020 10:13:35 AM	49967			
Surr: DNOP	99.5	55.1-146	%Rec	1	1/22/2020 10:13:35 AM	49967			
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB			
Gasoline Range Organics (GRO)	ND	18	mg/Kg	5	1/22/2020 9:33:05 AM	A65976			
Surr: BFB	87.2	66.6-105	%Rec	5	1/22/2020 9:33:05 AM	A65976			
EPA METHOD 8021B: VOLATILES					Analyst	: NSB			
Benzene	ND	0.089	mg/Kg	5	1/22/2020 9:33:05 AM	B65976			
Toluene	ND	0.18	mg/Kg	5	1/22/2020 9:33:05 AM	B65976			
Ethylbenzene	ND	0.18	mg/Kg	5	1/22/2020 9:33:05 AM	B65976			
Xylenes, Total	ND	0.36	mg/Kg	5	1/22/2020 9:33:05 AM	B65976			
Surr: 4-Bromofluorobenzene	98.8	80-120	%Rec	5	1/22/2020 9:33:05 AM	B65976			

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 7

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2001819

Date Reported: 1/23/2020

CLIENT: ENSOLUM		Cl	ient Sample II	D: S-5	56				
Project: Blanco Storage	Collection Date: 1/21/2020 12:05:00 PM								
Lab ID: 2001819-002	Matrix: SOIL		Received Date: 1/22/2020 8:05:00 AM						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	MRA			
Chloride	ND	60	mg/Kg	20	1/22/2020 10:54:20 AM	49969			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	BRM			
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	1/22/2020 10:22:43 AM	49967			
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	1/22/2020 10:22:43 AM	49967			
Surr: DNOP	93.1	55.1-146	%Rec	1	1/22/2020 10:22:43 AM	49967			
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB			
Gasoline Range Organics (GRO)	ND	19	mg/Kg	5	1/22/2020 9:56:32 AM	A65976			
Surr: BFB	86.0	66.6-105	%Rec	5	1/22/2020 9:56:32 AM	A65976			
EPA METHOD 8021B: VOLATILES					Analyst	: NSB			
Benzene	ND	0.095	mg/Kg	5	1/22/2020 9:56:32 AM	B65976			
Toluene	ND	0.19	mg/Kg	5	1/22/2020 9:56:32 AM	B65976			
Ethylbenzene	ND	0.19	mg/Kg	5	1/22/2020 9:56:32 AM	B65976			
Xylenes, Total	ND	0.38	mg/Kg	5	1/22/2020 9:56:32 AM	B65976			
Surr: 4-Bromofluorobenzene	98.2	80-120	%Rec	5	1/22/2020 9:56:32 AM	B65976			

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 7

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2001819

Date Reported: 1/23/2020

CLIENT: ENSOLUM		Cl	ient Sa	ample II	D: S-5	57				
Project: Blanco Storage	Collection Date: 1/21/2020 12:10:00 PM									
Lab ID: 2001819-003	Matrix: SOIL		Received Date: 1/22/2020 8:05:00 AM							
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS						Analyst	MRA			
Chloride	ND	60		mg/Kg	20	1/22/2020 11:06:42 AM	49969			
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst	BRM			
Diesel Range Organics (DRO)	1400	92		mg/Kg	10	1/22/2020 10:31:51 AM	49967			
Motor Oil Range Organics (MRO)	880	460		mg/Kg	10	1/22/2020 10:31:51 AM	49967			
Surr: DNOP	0	55.1-146	S	%Rec	10	1/22/2020 10:31:51 AN	49967			
EPA METHOD 8015D: GASOLINE RANG	BE					Analyst	: NSB			
Gasoline Range Organics (GRO)	5900	400		mg/Kg	100) 1/22/2020 11:06:49 AM	A65976			
Surr: BFB	204	66.6-105	S	%Rec	100) 1/22/2020 11:06:49 AM	A65976			
EPA METHOD 8021B: VOLATILES						Analyst	: NSB			
Benzene	15	0.10		mg/Kg	5	1/22/2020 10:19:45 AN	B65976			
Toluene	75	4.0		mg/Kg	100) 1/22/2020 11:06:49 AM	B65976			
Ethylbenzene	26	4.0		mg/Kg	100) 1/22/2020 11:06:49 AM	B65976			
Xylenes, Total	270	8.0		mg/Kg	100) 1/22/2020 11:06:49 AM	B65976			
Surr: 4-Bromofluorobenzene	107	80-120		%Rec	100) 1/22/2020 11:06:49 AM	B65976			

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 3 of 7

WO#: 2001819

Page 306 of 384

Client: Project:	ENSOLU Blanco S										
Sample ID: MB	-49969	SampT	ype: m t	olk	Tes	tCode: EP	A Method	300.0: Anion	s		
Client ID: PBS	5	Batch	n ID: 49	969	F	RunNo: 65	978				
Prep Date: 1/2	22/2020	Analysis D	Date: 1/	22/2020	S	SeqNo: 22	66714	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID: LCS	5-49969	SampT	ype: Ics	5	Tes	tCode: EP	A Method	300.0: Anion	s		
Client ID: LCS	SS	Batch	n ID: 49	969	F	RunNo: 65	978				
Prep Date: 1/2	22/2020	Analysis D	Date: 1/	22/2020	S	SeqNo: 22	66715	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	92.3	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

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

Page 4 of 7

Released to Imaging: 1/30/2024 3:00:11 PM

ENSOLUM

Blanco Storage

Client:

Project:

Sample ID: LCS-49967

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

4.2

4.591

SampType: LCS

									-	
Client ID: LCSS	Batcl	h ID: 49	967	F	RunNo: 6	5969				
Prep Date: 1/22/2020	Analysis D	Date: 1/	22/2020	S	SeqNo: 2	265920	Units: mg/ł	۲g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	101	63.9	124			
Surr: DNOP	4.3		5.000		86.9	55.1	146			
Sample ID: MB-49967	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batcl	h ID: 49	967	F	RunNo: 6	5969				
Prep Date: 1/22/2020	Analysis D	Date: 1/	22/2020	S	SeqNo: 2	265922	Units: mg/	۲g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.2		10.00		91.9	55.1	146			
Sample ID: 2001819-001AMS	SampT	Гуре: М S	3	Tes	tCode: E	PA Method	8015M/D: Di	esel Range	e Organics	
Sample ID: 2001819-001AMS Client ID: S-55	•	「ype: MS h ID: 49			tCode: E RunNo: 6		8015M/D: Di	esel Range	e Organics	
•	•	h ID: 49	967	F		5969	8015M/D: Di Units: mg/F	_	e Organics	
Client ID: S-55	Batcl	h ID: 49	967 22/2020	F	RunNo: 6 SeqNo: 2	5969		_	e Organics RPDLimit	Qual
Client ID: S-55 Prep Date: 1/22/2020	Batcl Analysis D	h ID: 49 Date: 1/	967 22/2020	F	RunNo: 6 SeqNo: 2	5969 266552	Units: mg/ł	۲g	-	Qual
Client ID: S-55 Prep Date: 1/22/2020 Analyte	Batcl Analysis D Result	h ID: 49 9 Date: 1/ PQL	967 22/2020 SPK value	F S SPK Ref Val	RunNo: 6 SeqNo: 2 %REC	5969 266552 LowLimit	Units: mg/ł HighLimit	۲g	-	Qual
Client ID: S-55 Prep Date: 1/22/2020 Analyte Diesel Range Organics (DRO)	Batcl Analysis D Result 48 4.3	h ID: 49 9 Date: 1/ PQL	967 22/2020 SPK value 47.48 4.748	F S SPK Ref Val 4.927	RunNo: 6 SeqNo: 2 %REC 91.3 89.5	5969 266552 LowLimit 47.4 55.1	Units: mg/ł HighLimit 136	<g< b=""> %RPD</g<>	RPDLimit	Qual
Client ID: S-55 Prep Date: 1/22/2020 Analyte Diesel Range Organics (DRO) Surr: DNOP	Batch Analysis D Result 48 4.3 D SampT	h ID: 49 Date: 1/ PQL 9.5	967 22/2020 SPK value 47.48 4.748	F SPK Ref Val 4.927 Tes	RunNo: 6 SeqNo: 2 %REC 91.3 89.5	5969 266552 LowLimit 47.4 55.1 PA Method	Units: mg/k HighLimit 136 146	<g< b=""> %RPD</g<>	RPDLimit	Qual
Client ID: S-55 Prep Date: 1/22/2020 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: 2001819-001AMS	Batch Analysis D Result 48 4.3 D SampT	A ID: 49 Date: 1/ PQL 9.5	967 22/2020 SPK value 47.48 4.748 6D 967	F SPK Ref Val 4.927 Tes F	RunNo: 6 SeqNo: 2 %REC 91.3 89.5 tCode: E	5969 266552 LowLimit 47.4 55.1 PA Method 5969	Units: mg/k HighLimit 136 146	Kg %RPD esel Range	RPDLimit	Qual
Client ID: S-55 Prep Date: 1/22/2020 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: 2001819-001AMS Client ID: S-55	Batch Analysis D Result 48 4.3 5D SampT Batch	A ID: 49 Date: 1/ PQL 9.5	967 22/2020 SPK value 47.48 4.748 6D 967 22/2020	F SPK Ref Val 4.927 Tes F	RunNo: 6 SeqNo: 2 %REC 91.3 89.5 tCode: E RunNo: 6 SeqNo: 2	5969 266552 LowLimit 47.4 55.1 PA Method 5969 266553	Units: mg// HighLimit 136 146 8015M/D: Di	Kg %RPD esel Range	RPDLimit	Qual
Client ID: S-55 Prep Date: 1/22/2020 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: 2001819-001AMS Client ID: S-55 Prep Date: 1/22/2020	Batcl Analysis D Result 48 4.3 5D SampT Batcl Analysis D	Date: 1/ PQL 9.5 Type: MS h ID: 499 Date: 1/	967 22/2020 SPK value 47.48 4.748 6D 967 22/2020	F SPK Ref Val 4.927 Tes F S	RunNo: 6 SeqNo: 2 %REC 91.3 89.5 tCode: E RunNo: 6 SeqNo: 2	5969 266552 LowLimit 47.4 55.1 PA Method 5969 266553	Units: mg/ł HighLimit 136 146 8015M/D: Di Units: mg/ł	⟨g %RPD esel Range	RPDLimit	

Qualifiers:

Surr: DNOP

- * 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

B Analyte detected in the associated Method Blank

91.7

55.1

- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

0

146

0

2001819

23-Jan-20

WO#:

TestCode: EPA Method 8015M/D: Diesel Range Organics

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Page	308	of 384	
------	-----	--------	--

W	'O#:	2001819
		23 Ian 20

Client: Project:	ENSOLUM Blanco Stor										
Sample ID: MBS		SampTyp	e: ME	BLK	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID: PBS		Batch II	D: A6	5976	F	unNo: 6	5976				
Prep Date:	A	nalysis Dat	e: 1/	22/2020	S	SeqNo: 2	266391	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organ Surr: BFB	ics (GRO)	ND 880	5.0	1000		87.6	66.6	105			
Sample ID: 2.5ug	gro Ics	SampTyp	e: LC	s	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID: LCSS	i	Batch II	D: A6	5976	F	unNo: 6	5976				
Prep Date:	A	nalysis Dat	e: 1/	22/2020	S	eqNo: 2	266392	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Orgar	ics (GRO)	25	5.0	25.00	0	102	80	120			
Surr: BFB		1000		1000		102	66.6	105			
Sample ID: 20018	19-001ams	SampTyp	e: MS	3	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: S-55		Batch II	D: A6	5976	F	unNo: 6	5976				
Prep Date:	A	nalysis Dat	e: 1/	23/2020	S	eqNo: 2	266393	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Orgar	ics (GRO)	80	18	89.29	0	89.4	69.1	142			
Surr: BFB		3400		3571		95.2	66.6	105			
Sample ID: 20018	19-001amsd	SampTyp	e: MS	SD	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID: S-55		Batch II	D: A6	5976	F	unNo: 6	5976				
Prep Date:	A	nalysis Dat	e: 1/	23/2020	S	eqNo: 2	266394	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organ	ics (GRO)	78	18	89.29	0	86.8	69.1	142	2.95	20	
Surr: BFB		3400		3571		94.4	66.6	105	0	0	

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

ENSOLUM

Client:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Project: Blanco S	Storage									
Sample ID: MBS	Samp ⁻	Туре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batc	h ID: B6	5976	F	RunNo: 6	5976				
Prep Date:	Analysis [Date: 1/	22/2020	Ş	SeqNo: 2	266434	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		99.7	80	120			
Sample ID: 100ng btex Ics	Samp	Type: LC	s	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batc	h ID: B6	5976	F	RunNo: 6	5976				
Prep Date:	Analysis [Date: 1/	22/2020	Ş	SeqNo: 2	266435	Units: mg/#	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	100	80	120			
Toluene	0.99	0.050	1.000	0	99.0	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.5	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.7	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			
Sample ID: 2001819-002ams	Samp	Туре: М	6	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: S-56	Batc	h ID: B6	5976	F	RunNo: 6	5976				
Prep Date:	Analysis [Date: 1/	23/2020	S	SeqNo: 2	266436	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	3.9	0.095	3.820	0	102	78.5	119			
Toluene	3.8	0.19	3.820	0	100	75.7	123			
Ethylbenzene	3.8	0.19	3.820	0	99.9	74.3	126			
Xylenes, Total	11	0.38	11.46	0	98.1	72.9	130			
Surr: 4-Bromofluorobenzene	3.8		3.820		99.5	80	120			
Sample ID: 2001819-002ams	d Samp	Туре: М	SD	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: S-56	Batc	h ID: B6	5976	F	RunNo: 6	5976				
Prep Date:	Analysis [Date: 1/	23/2020	Ş	SeqNo: 2	266437	Units: mg/k	٢g		
Analyte	Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	3.7	0.095	3.820	0	98.0	78.5	119	4.01	20	
Toluene	3.7	0.19	3.820	0	96.2	75.7	123	4.30	20	
	0.0	0.40	0.000	0	05.5	740	400	4 47	00	

Ethylbenzene

Xylenes, Total

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

Surr: 4-Bromofluorobenzene

% Recovery outside of range due to dilution or matrix S

в Analyte detected in the associated Method Blank

95.5

95.5

98.4

74.3

72.9

80

126

130

120

4.47

2.70

0

- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

0

0

Page 7 of 7

20

20

0

2001819

23-Jan-20

WO#:

3.6

11

3.8

0.19

0.38

3.820

11.46

ENVIRONMENTAL ANALYSIS LABORATORY	TEL: 505-345 - 39	4901 Hawkin Ibuquerque, NM 8 75 FAX: 505-345- hallenvironmental	7109 San 4107	Sample Log-In Check List					
Client Name: ENSOLUM AZTEC	Work Order Numb	er: 2001819		RcptNo:	1				
Received By: Desiree Dominguez	1/22/2020 8:05:00 A	M	D						
Completed By: Leah Baca	1/22/2020 8:07:40 A	м	Loop Bac	4					
Reviewed By: ENH	VIZZIZD		Fran Ja						
Chain of Custody									
1. Is Chain of Custody sufficiently complete	?	Yes 🗹	No 🗌	Not Present					
2. How was the sample delivered?		<u>Courier</u>							
Log In 3. Was an attempt made to cool the sample	es?	Yes 🔽	No 🗌	NA					
4. Were all samples received at a temperate	ure 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 tes	st(s)?	Yes 🗹	No 🗌						
7. Are samples (except VOA and ONG) prop	perly 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 bro	oken?	Yes 🗀	No 🗹	# of preserved					
 Does paperwork match bottle labels? (Note discrepancies on chain of custody) 		Yes 🖌	No 🗌	bottles checked 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: U4	4D 1/22/20				
<u>Special Handling (if applicable)</u>									
15. Was client notified of all discrepancies with	ith this order?	Yes 🗌	No 🗌						
Person Notified:	Date:			Υ					
By Whom:	Via:	🗌 eMail 🔲 P	hone 🗌 Fax	🔲 In Person					
Regarding: Client Instructions:									
16. Additional remarks:	, <u> </u>								
17. <u>Cooler Information</u>	Manual Astronomy of the manual state of the								
Cooler No Temp °C Condition	Seal Intact Seal No - Yes	Seal Date	Signed By						

necen	ea by	• 0C	C D: 8 /	15/2	023	10:4	45:18 A	M				-										Page	311 of	384
	A N																				 			
	ANALYSIS LABORATOR						<u> </u>															-		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.
Ļ			7109	2													— <u>-</u> -			-+	 *	-		lalytica
		E C	1 M 8	410	t																			n the ar
			ne, N ue, N	505-345-4107	dues	(ìn	iəsdA\tr														 	Ø		ated or
		www.hallenvironmental.com	Albuquerque, NM 87109	206				(A		_	s) 0228											e fr	*	ariy not
	1 (S	nviro	Albuq	Fax	alysi	Þo					8560 (/ Cl' ∕∉'⊲		9	0					\rightarrow		 	Lan 25	CHEIHN	be cle
					Ana	.0				•	<u>АЯ</u> ОЯ Сі К ал		<u>×</u>	X	 							_	110	ata wil)
			ns NE	5-397			SMISO				1 eHA9				_	_		_	_	_		Ton Ton	2	acted d
		1 >	4901 Hawkins NE -	505-345-3975							EDB (V									-+		2 20	141	-contra
			о Н				PCB's	2808\s	səbi	oitee	9 1808											S: Ph	AFE	Any sut
			49(Tel.			NN / OR				7PH:80	٩	4	×-						_		Remarks: 		bility. /
				1		()	.208) <i>e</i> t	9441./	30		BTEX /	7	χ	Ý	 							Ren		s possi
Leg Jam Day	6							frequencia da como como de com Sectoremente de como de		e)		-001	02	03		2					1	Time $\underline{M34}$	8:05	e of thi
Ŕ	3		V					 A. C. Martin M. C. Martin S. M. Santasan Martin S. Martin S. Ma		C.	HEAL No. 7 mm) \$19) 	- 002	- 003								Time Time	10	as notic
010	R		and and		۲		\sim			1 2	HEAL No.											te 120	120	serves a
Â	1		3		649		Ŷ	,≁.; □ Νο		-0.1=J.0-		\$										Date $\frac{1}{1/2}$	1121/20	This s
N	Rush		3	•	6 4		La va	5		Ω^{-}	<u>Š</u>												2	atories.
	Ē		*		A 1226		Summes	D Hpank;	ないたいまたで	J CF):	Preservative Type	50 /											CONCIEC	d labor
Time:			20			ger:		A D H		includin	Prese Type	100		1									ິ	credite
	Standard	Project Name	6	ي بن	50	Project Manager:		and the second secon	# of Coolers:		# ح ت	501											N.	ther ac
Turn-Around	Stan	ect N	B	Project #:	7	ect N		Sampler: On Ice:	Cool	ler T	Container Type and #	1402										Received by		ied to o
Tur		D. D.				Proj		Sample On Ice:	10 #	8	Ц Со Ц Со Ц Со	K	5									Rece	5	contract
			2	,			(uo																	be subc
ord			Same				Level 4 (Full Validation)																B	al may i
ece		:	~				ull Ve				me	5	S	7									CHU.	nments
<u>א</u>			R.r.s				4 (Fi				e Na	5-55	5	Ś	-							\mathbb{V}	-9	Enviro
po			5				evel	ance			Sample Name	Ś	Ч	Ś								\int	77	to Hall
ust	5		~ 6					ildmo			Sal											ed by:	H	mitted
៊ុ	20		20	4				 Az Compliance Other 			iri	5										Relinquished by:	Muttur	iles sub
Chain-of-Custody Record	Ensolum		s:								Matrix			\sim										
ain	Ш		ldres	4:05		ax#	skage rd	ion:	(adv		Time	1260	Soli	010								Time: <u> }}(</u> Time:	RI H	lf necessary,
сh Сh	ا ي ا		Mailing Address:	স	le #:	email or Fax#:	QA/QC Package:	Accreditation:	EDD (Type)			(0	 						 	Ø) 2 2	lf ne
	Client:		Maili		Phone #:	emai	QA/Q □ St	Accre			Date	Bilao	<u>-</u>									Date: <i>V</i> /V/2. Date:	124	4 10-

the second se

Ì



January 24, 2020

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX:

RE: Blanco Storage

OrderNo.: 2001901

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 1 sample(s) on 1/23/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2001901

Date Reported: 1/24/2020

CLIENT:	ENSOLUM	Client Sample ID: S-58
Project:	Blanco Storage	Collection Date: 1/22/2020 1:00:00 PM
Lab ID:	2001901-001	Matrix: MEOH (SOIL) Received Date: 1/23/2020 9:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	60	mg/Kg	20	1/23/2020 12:02:30 PM	49992
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	1/23/2020 10:21:45 AM	49989
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	1/23/2020 10:21:45 AM	49989
Surr: DNOP	95.1	55.1-146	%Rec	1	1/23/2020 10:21:45 AM	49989
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.4	mg/Kg	1	1/23/2020 9:58:25 AM	49978
Surr: BFB	88.0	66.6-105	%Rec	1	1/23/2020 9:58:25 AM	49978
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.022	mg/Kg	1	1/23/2020 9:58:25 AM	49978
Toluene	ND	0.044	mg/Kg	1	1/23/2020 9:58:25 AM	49978
Ethylbenzene	ND	0.044	mg/Kg	1	1/23/2020 9:58:25 AM	49978
Xylenes, Total	ND	0.088	mg/Kg	1	1/23/2020 9:58:25 AM	49978
Surr: 4-Bromofluorobenzene	99.3	80-120	%Rec	1	1/23/2020 9:58:25 AM	49978

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 5

Client:	ENSO	LUM							
Project:	Blanco	Storage							
Sample ID:	MB-49992	SampType	: mblk	Tes	tCode: EPA Method	300.0: Anions			
Client ID:	PBS	Batch ID:	49992	F	RunNo: 66016				
Prep Date:	1/23/2020	Analysis Date:	1/23/2020	S	SeqNo: 2268195	Units: mg/Kg			
Analyte		Result P	QL SPK value	e SPK Ref Val	%REC LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5						
Sample ID:	LCS-49992	SampType	: Ics	Tes	tCode: EPA Method	300.0: Anions			
Client ID:	LCSS	Batch ID:	49992	F	RunNo: 66016				
Prep Date:	1/23/2020	Analysis Date:	1/23/2020	Ş	SeqNo: 2268196	Units: mg/Kg			
Analyte		Result P	QL SPK value	e SPK Ref Val	%REC LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5 15.00) 0	92.9 90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 2 of 5

2001901

24-Jan-20

WO#:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Hall Enviro	ll Environmental Analysis Laboratory, Inc.												
Client:	ENSOLUM												
Project:	Blanco Storage												
Sample ID: LCS-49	9989 Sa	ampType:	LCS	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics				
Client ID: LCSS		Batch ID:	49989	F	RunNo: 6	6004							
Prep Date: 1/23/2	2020 Analy	sis Date:	1/23/2020	S	SeqNo: 2	266978	Units: mg/#	٤g					
Analyte	Res	ult PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Diesel Range Organics (DRO)	50 1	10 50.00	0	100	63.9	124						
Surr: DNOP	2	1.5	5.000		89.5	55.1	146						

Sample ID: MB-49989	mple ID: MB-49989 SampType: MBLK						TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch	n ID: 499	989	F	RunNo: 6	6004									
Prep Date: 1/23/2020	Analysis D	ate: 1/	23/2020	S	SeqNo: 2	266979	Units: mg/K	g							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Diesel Range Organics (DRO)	ND	10													
Motor Oil Range Organics (MRO)	ND	50													
Surr: DNOP	9.3		10.00		93.0	55.1	146								

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

Page 3 of 5

2001901

WO#:

Page	<i>316</i>	of 384
------	------------	--------

L.	vironmental Analysis Laboratory, Inc.	WO#:	2001901 24-Jan-20
Client:	ENSOLUM		
Project:	Blanco Storage		

Project: Blanco	Storage											
Sample ID: mb-49978	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e			
Client ID: PBS	Batch	n ID: 49	978	F	RunNo: 66017							
Prep Date: 1/22/2020	Analysis D	Date: 1/	23/2020	S	SeqNo: 22	267664	Units: mg/K	g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Range Organics (GRO)	ND	5.0										
Surr: BFB	890		1000		88.5	66.6	105					
Sample ID: Ics-49978	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e			
Client ID: LCSS	Batch	n ID: 49	978	F	RunNo: 6	6017						
Prep Date: 1/22/2020	Analysis D)ate: 1/	23/2020	5	SeqNo: 22	267665	Units: mg/K	g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Range Organics (GRO)	23	5.0	25.00	0	92.7	80	120					
Surr: BFB	990		1000		99.4	66.6	105					

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 4 of 5

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc

	WO#:	2001901
ory, Inc.		24-Jan-20

Client: ENSO	LUM											
Project: Blanco	o Storage											
Sample ID: mb-49978	Samp ⁻	Type: ME	BLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batc	h ID: 49	978	F	RunNo: 6	6017						
Prep Date: 1/22/2020	Analysis [Date: 1/	23/2020	5	SeqNo: 2	267696	Units: mg/K	٤g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	ND	0.025										
Toluene	ND	0.050										
Ethylbenzene	ND	0.050										
Xylenes, Total	ND	0.10										
Surr: 4-Bromofluorobenzene	1.0		1.000		99.9	80	120					
Sample ID: LCS-49978	Samp ⁻	Type: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles				
Client ID: LCSS	Batc	h ID: 49	978	F	RunNo: 6	6017						
Prep Date: 1/22/2020	Analysis [Date: 1/	23/2020	5	SeqNo: 2	267697	Units: mg/K	ζg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.98	0.025	1.000	0	97.8	80	120					
Toluene	0.96	0.050	1.000	0	96.3	80	120					
Ethylbenzene	0.96	0.050	1.000	0	96.3	80	120					
Xylenes, Total	2.9	0.10	3.000	0	97.0	80	120					
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120					

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

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

Page 5 of 5

	ANAL	ONMENT (SIS RATORY	AL	TE	ll Environme L: 505-345-3 Website: www	49 Albuquer 1975 FAX:	01 Hawk que, NM • 505-34	kins NE (87109 (5-4107	Sar	mple Log-In Ch	eck List
(Client Name:	ENSOLUM	AZTEC	Work	Order Num	ber: 200	1901	an se anna an se an s		RcptNo:	1
R	Received By:	Leah Bac	а	1/23/20	20 9:05:00	AM		Lada	Bae	K.	
С	Completed By:	Isaiah Ort	tiz	1/23/20	20 9:12:02	AM		Lat	- 0	2-6	
R	Reviewed By:	TO		01/3/2	020						
C	hain of Cus	tody									
1.	Is Chain of Cu	stody suffic	iently complet	e?		Yes		No		Not Present	
2.	How was the s	sample deliv	vered?			Cou	rier				
	.og In Was an attem	pt made to c	cool the sampl	es?		Yes		No			
			eer nie eamp			103		110			
4.	Were all samp	les received	l at a temperal	ure of >0° C	to 6.0°C	Yes	\checkmark	No			
5.	Sample(s) in p	oroper contai	iner(s)?			Yes	\checkmark	No			
6.	Sufficient sam	ole volume f	or indicated te	st(s)?		Yes	\checkmark	No			
7.	Are samples (e	except VOA	and ONG) pro	perly preserve	ed?	Yes	\checkmark	No			
8.	Was preservat	ive added to	bottles?			Yes		No	✓	NA 🗌	
9.	Received at lea	ast 1 vial wit	h headspace ·	<1/4" for AQ V	OA?	Yes		No		NA 🔽	
	. Were any sam					Yes		No	✓	# of preserved	
	. Does paperwor (Note discrepa					Yes		No		bottles checked for pH:	2 unless noted)
	Are matrices co					Yes		No		Adjusted?	12 unless noted)
	Is it clear what					Yes		No			
	Were all holdin (If no, notify cu	g times able	e to be met?			Yes		No		Checked by:	B 1/23/1020
Sp	ecial Handli	ng (if app	licable)								
15	Was client not	ified of all di	iscrepancies w	vith this order?	, ,	Yes		No		NA 🔽	
	Person	Notified:	[Date:	r	an la stran mais was tratta da		a netrata.		
	By Whor	m:	Γ		Via:	eM	ail 🗌	Phone	Fax	In Person	
	Regardir Client In	ng: structions:									
16	. Additional rem	narks:									
17	Cooler Inform	A CONTRACTOR OF A CONTRACTOR OFTA CONT	0	0						4	
	Cooler No	Temp °C 0.3	Condition Good	Seal Intact Yes	Seal No	Seal D	ate	Signed	Ву		

Page 1 of 1

Time: 11095 Sam Day Rush 1-33-30 Now.hallenviron Rush 2-33-30 ANALYSIS	Tel: 505-345-3975 Fax 505-345-4107 S A / つろ し つ ウ ム Analysis Request	() () () ()	SUMME SUMME 4802 4805	0 / DR 3/808/2 01 8270 70 8270 70 8, 70 8, 70 8, 70 8, 70 8, 70 8, 70 8, 70 8, 70 8, 70 8, 70 70 70 70 70 70 70 70 70 70 70 70 70	-AO +10 ((including CF);C, 2 + C, 1, C, A, C,	Type Z O G N B E N E D N <th>o/ -CCIXX -CCIXX</th> <th></th> <th></th> <th></th> <th></th> <th>Va: Date Time Remarks:</th> <th>Ut 1/22/20 144U</th>	o/ -CCIXX -CCIXX					Va: Date Time Remarks:	Ut 1/22/20 144U
													Remark	
Time: 11092 ARUSH 1-23-6 Sinco Storag	05A		K. Summers	C DAPE	0	(including CF):C ₄ S + C E =	# Type 24						Vla: Date	th Wart 1/22/20
Turn-Around Turn-Around Development	- -	Project Manager:	1	Sampler: On Ice:	# of Coolers:	Cooler Te	Container Type and	1 402					Received by	Received by
	フロチ オ & / 1/0 Phone #:	email or Fax#:	QA/QC Package:	Accreditation:	ype)		Date Time Matrix Sample Name	1/2/20 5 5-58					Date: Time: Relinquished by:	2 IYUL



January 30, 2020

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

RE: Blanco Storage

OrderNo.: 2001A90

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 2 sample(s) on 1/29/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2001A90

Date Reported: 1/30/2020

CLIENT: ENSOLUM		Cl	ient Sample I	D: S-	59						
Project: Blanco Storage		(Collection Da	te: 1/2	28/2020 2:00:00 PM						
Lab ID: 2001A90-001	Matrix: SOIL	Received Date: 1/29/2020 7:55:00 AM									
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch					
EPA METHOD 300.0: ANIONS					Analysi	CAS					
Chloride	ND	60	mg/Kg	20	1/29/2020 11:30:56 AN	50130					
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	BRM					
Diesel Range Organics (DRO)	16	8.9	mg/Kg	1	1/29/2020 9:41:05 AM	50123					
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	1/29/2020 9:41:05 AM	50123					
Surr: DNOP	84.4	55.1-146	%Rec	1	1/29/2020 9:41:05 AM	50123					
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	: NSB					
Gasoline Range Organics (GRO)	ND	22	mg/Kg	5	1/29/2020 10:19:36 AN	50099					
Surr: BFB	76.4	66.6-105	%Rec	5	1/29/2020 10:19:36 AN	50099					
EPA METHOD 8021B: VOLATILES					Analyst	: NSB					
Benzene	ND	0.11	mg/Kg	5	1/29/2020 10:19:36 AN	50099					
Toluene	ND	0.22	mg/Kg	5	1/29/2020 10:19:36 AN	50099					
Ethylbenzene	ND	0.22	mg/Kg	5	1/29/2020 10:19:36 AN	50099					
Xylenes, Total	ND	0.43	mg/Kg	5	1/29/2020 10:19:36 AN	50099					
Surr: 4-Bromofluorobenzene	86.2	80-120	%Rec	5	1/29/2020 10:19:36 AN	50099					

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 7

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2001A90

Date Reported: 1/30/2020

CLIENT: ENSOLUM		Cl	ient Sample II	D: S-	60	
Project: Blanco Storage		(Collection Dat	e: 1/2	28/2020 2:05:00 PM	
Lab ID: 2001A90-002	Matrix: SOIL		29/2020 7:55:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	60	mg/Kg	20	1/29/2020 11:43:18 AM	50130
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	8.8	mg/Kg	1	1/29/2020 9:50:16 AM	50123
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	1/29/2020 9:50:16 AM	50123
Surr: DNOP	94.2	55.1-146	%Rec	1	1/29/2020 9:50:16 AM	50123
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	NSB
Gasoline Range Organics (GRO)	ND	22	mg/Kg	5	1/29/2020 10:43:00 AM	50099
Surr: BFB	74.6	66.6-105	%Rec	5	1/29/2020 10:43:00 AM	50099
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.11	mg/Kg	5	1/29/2020 10:43:00 AM	50099
Toluene	ND	0.22	mg/Kg	5	1/29/2020 10:43:00 AM	50099
Ethylbenzene	ND	0.22	mg/Kg	5	1/29/2020 10:43:00 AM	50099
Xylenes, Total	ND	0.44	mg/Kg	5	1/29/2020 10:43:00 AM	50099
Surr: 4-Bromofluorobenzene	83.8	80-120	%Rec	5	1/29/2020 10:43:00 AM	50099

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 7

Client:	ENSOI	LUM									
Project:	Blanco	Storage									
Sample ID: MB	-50130	SampTy	/pe: mk	olk	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID: PB	s	Batch	ID: 50	130	F	RunNo: 6	6151				
Prep Date: 1/	29/2020	Analysis Da	ate: 1/	29/2020	S	SeqNo: 2	273387	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID: LC	S-50130	SampTy	/pe: Ics	5	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID: LC	SS	Batch	ID: 50	130	F	RunNo: 6	6151				
Prep Date: 1/	29/2020	Analysis Da	ate: 1/	29/2020	S	SeqNo: 2	273388	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	91.1	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

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

2001A90

30-Jan-20

WO#:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	2001A90	

30-Jai	n-20
--------	------

Client: ENSOLU	UM				
Project: Blanco S	Storage				
Sample ID: MB-50123	SampType: MBLK	TestCode: EPA Method	I 8015M/D: Diesel Range O	rganics	
Client ID: PBS	Batch ID: 50123	RunNo: 66140	-	-	
Prep Date: 1/29/2020	Analysis Date: 1/29/2020	SeqNo: 2271931	Units: mg/Kg		
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD R	PDLimit Qual	
Diesel Range Organics (DRO)	ND 10				
Motor Oil Range Organics (MRO) Surr: DNOP	ND 50 8.5 10.00) 84.6 55.1	146		
	6.5 10.00	04.0 00.1	140		
Sample ID: LCS-50123	SampType: LCS	TestCode: EPA Method	I 8015M/D: Diesel Range O	rganics	
Client ID: LCSS	Batch ID: 50123	RunNo: 66140			
Prep Date: 1/29/2020	Analysis Date: 1/29/2020	SeqNo: 2271933	Units: mg/Kg		
Analyte		e SPK Ref Val %REC LowLimit	9	PDLimit Qual	
Diesel Range Organics (DRO) Surr: DNOP	50 10 50.00 4.7 5.000		124 146		
	4.7 5.000	93.3 55.1	140		
Sample ID: 2001A90-001AMS	S SampType: MS	TestCode: EPA Method	8015M/D: Diesel Range O	rganics	
Client ID: S-59	Batch ID: 50123	RunNo: 66140			
Prep Date: 1/29/2020	Analysis Date: 1/29/2020	SeqNo: 2272368	Units: mg/Kg		
Analyte		e SPK Ref Val %REC LowLimit	0	PDLimit Qual	
Diesel Range Organics (DRO) Surr: DNOP	55 9.2 45.87 3.6 4.587		136 146		
	5.0 4.56	78.5 55.1	140	1	
Sample ID: 2001A90-001AMS	SD SampType: MSD	TestCode: EPA Method	I 8015M/D: Diesel Range O	rganics	
Client ID: S-59	Batch ID: 50123	RunNo: 66140			
Prep Date: 1/29/2020	Analysis Date: 1/29/2020	SeqNo: 2272369	Units: mg/Kg		
Analyte		e SPK Ref Val %REC LowLimit	0	PDLimit Qual	
Diesel Range Organics (DRO) Surr: DNOP	60 9.5 47.26 4.5 4.726		136 9.36 146 0	43.4 0	
	4.5 4.720	90.0 00.1	140 0	0	
Sample ID: LCS-50102	SampType: LCS	TestCode: EPA Method	I 8015M/D: Diesel Range O	rganics	
Client ID: LCSS	Batch ID: 50102	RunNo: 66140			
Prep Date: 1/28/2020	Analysis Date: 1/29/2020	SeqNo: 2273238	Units: %Rec		
Analyte		e SPK Ref Val %REC LowLimit		PDLimit Qual	
Surr: DNOP	3.8 5.000) 77.0 55.1	146		
Sample ID: MB-50102 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: PBS	Batch ID: 50102	RunNo: 66140			
Prep Date: 1/28/2020	Analysis Date: 1/29/2020	SeqNo: 2273239	Units: %Rec		
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD R	PDLimit Qual	

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit
L.	ronmental Analysis Laboratory, Inc.	WO#:	2001A90 30-Jan-20
Client: Project:	ENSOLUM Blanco Storage		

Sample ID: MB-50102	SampT	ype: ME	BLK	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch	ID: 50	102	R	unNo: 6	6140						
Prep Date: 1/28/2020	Analysis D	ate: 1/	29/2020	S	eqNo: 2	273239	Units: %Rec	;				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Surr: DNOP	7.9		10.00		79.3	55.1	146					

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 5 of 7

.

Released to Imaging: 1/30/2024 3:00:11 PM

Prep Date: 1/28/2020

Analysis Date: 1/29/2020

Page 326 of 384

L.		tal Analysis Laborato		VO#:	2001A90 30-Jan-20
Client: Project:	ENSOI Blanco	LUM Storage			
Sample ID:	mb-50099	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range		
Client ID:	PBS	Batch ID: 50099	RunNo: 66150		

SeqNo: 2272828

Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	720		1000		72.0	66.6	105			
Sample ID: Ics-50099	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e				
Client ID: LCSS	Batcl	n ID: 50	099	RunNo: 66150						
Prep Date: 1/28/2020	Analysis D	Date: 1/	29/2020	5	eqNo: 2	272829	Units: mg/K	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.6	80	120			
Surr: BFB	850		1000		85.4	66.6	105			

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

Page 6 of 7

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Page	<i>327</i>	of 384
------	------------	--------

WO#:	2001	A90

30-Jan-20

Client:ENSOIProject:Blanco	LUM Storage										
Sample ID: MB-50099	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8021B: Volat	iles			
Client ID: PBS	Batcl	n ID: 50	099	RunNo: 66150							
Prep Date: 1/28/2020	Analysis E	Date: 1/	29/2020	S	SeqNo: 2	272873	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	0.82		1.000		82.0	80	120				
Sample ID: LCS-50099	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8021B: Volat	iles			
Client ID: LCSS	Batcl	n ID: 50	099	F	RunNo: 6	6150					
Prep Date: 1/28/2020	Analysis D	Date: 1/	29/2020	5	SeqNo: 22	272874	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.95	0.025	1.000	0	94.6	80	120				
Toluene	0.96	0.050	1.000	0	96.3	80	120				
Ethylbenzene	0.95	0.050	1.000	0	94.5	80	120				
Xylenes, Total	2.9	0.10	3.000	0	95.6	80	120				
Surr: 4-Bromofluorobenzene	0.87		1.000		87.0	80	120				

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

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

Page 7 of 7

Receiv	ed by	• 0 C	D: 8 /	15/2	023	10: 4	45:18 A.	M															Page 328 of 38	4
ENVIDONMENTAL	LABORATORY	www.hallenvironmental.com	Albuquerque, NM 87109	505-345-4107	Request	(tu:	92dA\tr				2) 0728 Total Cc												25719 28719 12 A Diated on the analytical report.	
	SL	Juno	Iduero	Fax 50	sis Re			(,	101		V) 0528	1					-	-			-		Lang TL 35 H1243	
	ANALYSTS	Phylic	Albu	ш	Analysis	*ð\$	s * 0d	MO ⁵	3 ³ '		CI', Ł' ,B	X	χ							4			N 4 Will be o	
	A	led w	- UN	975	A						8 AADA												TCM Ley data will	
		VVVVV	kins l	345-3			SMISO				id sHA9								1.1				の か よ ん し の し し し し し し し し し し し し し	
			Haw	505-345-3975		1	<u> </u>				EDB (W					_					- 89	3.5	R F Sub-co	
ALC: NO			4901 Hawkins NE	Tel.		(0)					7PH:808	7	X		_	_				-			rks: y. Any	
		20									BTEX /		X			-		-					Remarks:	
	0		1.9		CARDON A	5.5	9	Section 1985	1		74.84		0)	13			x 3 0		11-11	123	2.1	3.8	of this p	
10 28	1-39-31		Jage		242		213	34'.		.8+0.0=2.8°	HEAL No. 2001 A90	(00-	-002					and the second s		and a second a second	and subsets and a subset of	1	Pate Time <u>1/28/20 1518</u> Date Time <u>1/29/20 1:55</u> s. This serves as notice of th	
d Time:	d WRush	le:	Leneo St		CHOJERIASO	ager:	Jummers	CDAPON	ku res	(including CF):	Preservative Type	cool	(00)									the state white	Via: Via: Cour ier raccredited laboratorie	
Turn-Around	□ Standard	Project Name:	13/a	Project #:	08	Project Manager:	K,	Sampler:	Unice: # of Contore:	Cooler Tem	Container Type and #	1 521	1 40 E										Received by: Received by:	
Chain-of-Custody Record		- 21 Non- Loven 1, April	Ship Crarde	01468			□ Level 4 (Full Validation)	□ Az Compliance			Sample Name	5-5-9	5-60										Time: Relinquished by: Received by: Via: Date Time Remarks: Pm Pm Pm 1515 715 70 70 70 70 70 70 1516 70 70 70 70 70 70 1517 71 70 70 70 70 1713 70 70 70 70 1713 70 70 70 70 1713 70 70 70 70 1713 70 70 70 70 1713 70 70 70 70 1713 70 70 70 70 1713 70 70 70 70 1713 70 70 70 70 1713 70 70 70 70 1713 70 70 70 70 1713 70 70 70 70 1713 70 70 70 70 1713 70 70 70 70 1713 70 70 70 70 1714 70 70 70 70<	
I-of-CI	Ensdum		S: 606	H				D AZ C			Matrix	S	5										Relinquished by: Relinquished by: V. samples submitted	
Chain	*		Mailing Address:	424	:#:	email or Fax#:	QA/QC Package:	Accreditation:			Time	004100	1405										Time: Time: Time: Time: Time:	
	Client:		Mailin	~)	Phone #:	email	QA/QC	Accre			Date	138/2	28/20										Date: Date: Lype	

ANALYSIS	Hall Environmental Alb TEL: 505-345-3975 Website: www.ha	490 uquerq 5 FAX:	1 Hawki nue, NM 505-345	ns NE 87109 -4107	Sar	Page 329 o
Client Name: ENSOLUM AZTEC	Work Order Number	: 200	1A90			RcptNo: 1
Received By: Desiree Dominguez Completed By: Leah Baca	1/29/2020 7:55:00 AM 1/29/2020 7:57:07 AM			T# Laab) Bac	a,
Reviewed By: JP 1/29/20						
Chain of Custody						
1. Is Chain of Custody sufficiently complete?		Yes	\checkmark	No		Not Present
2. How was the sample delivered?		Cou	rier			
Log In	_					
3. Was an attempt made to cool the samples	?	Yes	\checkmark	No		NA 🗌
4. Were all samples received at a temperature	e of >0° C to 6.0°C	Yes	\checkmark	No		
5. Sample(s) in proper container(s)?		Yes	\checkmark	No)	
6. Sufficient sample volume for indicated test	s)?	Yes	✓	No		
7. Are samples (except VOA and ONG) prope	rly preserved?	Yes	\checkmark	No		
8. Was preservative added to bottles?		Yes		No	\checkmark	NA 🗌
9. Received at least 1 vial with headspace <1/	4" for AQ VOA?	Yes		No		NA 🔽
10. Were any sample containers received brok	en?	Yes		No		# of preserved
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes	✓	No		bottles checked for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain o	f Custody?	Yes	\checkmark	No		Adjusted?
13. Is it clear what analyses were requested?		Yes	\checkmark	No		10 1 1
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes	\checkmark	No	□ .	Checked by: 25 129/1020
Special Handling (if applicable)						
15. Was client notified of all discrepancies with	this order?	Yes		No		NA 🗹
Person Notified: 1 Kyle Sum	Mer Date:	201	2020		descus second r	
	ach Via:			Phone	Fax	In Person
	me date ducrepan	CON MINT OF A DATE OF	-002			
Client Instructions: Times o	The second se	rec				
16. Additional remarks:						
17. Cooler Information						
 and the state of a state of a state of the s	Seal Intact Seal No S	Seal D	ate	Signed	Ву	
	es				500,009967.	

Page 1 of 1



January 31, 2020

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

RE: Blanco Storage

OrderNo.: 2001B45

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 1 sample(s) on 1/30/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2001B45

Date Reported: 1/31/2020

CLIENT: ENSOLUM		Cl	ient S	ample II	D: S-(61	
Project: Blanco Storage		(Collect	tion Dat	e: 1/2	29/2020 10:00:00 AM	
Lab ID: 2001B45-001	Matrix: SOIL		30/2020 8:20:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	ND	60		mg/Kg	20	1/30/2020 11:55:29 AM	50158
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	CLP
Diesel Range Organics (DRO)	240	9.4		mg/Kg	1	1/30/2020 9:44:44 AM	50155
Motor Oil Range Organics (MRO)	150	47		mg/Kg	1	1/30/2020 9:44:44 AM	50155
Surr: DNOP	129	55.1-146		%Rec	1	1/30/2020 9:44:44 AM	50155
EPA METHOD 8015D: GASOLINE RANGE						Analyst	NSB
Gasoline Range Organics (GRO)	550	20		mg/Kg	5	1/30/2020 10:22:27 AM	50149
Surr: BFB	724	66.6-105	S	%Rec	5	1/30/2020 10:22:27 AM	50149
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	0.25	0.099		mg/Kg	5	1/30/2020 10:22:27 AM	50149
Toluene	6.2	0.20		mg/Kg	5	1/30/2020 10:22:27 AM	50149
Ethylbenzene	3.7	0.20		mg/Kg	5	1/30/2020 10:22:27 AM	50149
Xylenes, Total	36	0.40		mg/Kg	5	1/30/2020 10:22:27 AM	50149
Surr: 4-Bromofluorobenzene	125	80-120	S	%Rec	5	1/30/2020 10:22:27 AM	50149

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 6

Client:	ENS	OLUM									
Project:	Blan	co Storage									
Sample ID: M	B-50158	SampT	ype: m t	olk	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID: PI	BS	Batch	n ID: 50	158	F	RunNo: 6	6201				
Prep Date: 1	1/30/2020	Analysis D	ate: 1/	30/2020	5	SeqNo: 2	274288	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID: LC	CS-50158	SampT	ype: Ics	5	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID: LC	css	Batch	1D: 50	158	F	RunNo: 6	6201				
Prep Date: 1	1/30/2020	Analysis D	ate: 1/	30/2020	5	SeqNo: 2	274289	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	93.1	90	110			

- * 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

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

Page 2 of 6

2001B45

31-Jan-20

WO#:

Page 332 of 384

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	2001B45

31.	Ian	-20

Client: ENSOLU	JM			
Project: Blanco S	torage			
Sample ID: MB-50155	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Orga	anics
Client ID: PBS	Batch ID: 50155	RunNo: 66185		
Prep Date: 1/30/2020	Analysis Date: 1/30/2020	SeqNo: 2273378	Units: mg/Kg	
Analyte	Result PQL SPK value SPK	Ref Val %REC LowLimit	HighLimit %RPD RPD	DLimit Qual
Diesel Range Organics (DRO)	ND 10			
Motor Oil Range Organics (MRO) Surr: DNOP	ND 50 8.5 10.00	85.0 55.1	146	
	8.5 10.00	65.0 55.1	140	
Sample ID: LCS-50155	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Orga	anics
Client ID: LCSS	Batch ID: 50155	RunNo: 66185		
Prep Date: 1/30/2020	Analysis Date: 1/30/2020	SeqNo: 2273379	Units: mg/Kg	
Analyte	Result PQL SPK value SPK	Ref Val %REC LowLimit	HighLimit %RPD RPD	DLimit Qual
Diesel Range Organics (DRO)	47 10 50.00	0 94.5 63.9	124	
Surr: DNOP	4.0 5.000	80.9 55.1	146	
Sample ID: 2001B45-001AMS	SampType: MS	TestCode: EPA Method	8015M/D: Diesel Range Orga	anics
Client ID: S-61	Batch ID: 50155	RunNo: 66185		
Prep Date: 1/30/2020	Analysis Date: 1/30/2020	SeqNo: 2273381	Units: mg/Kg	
Analyte	Result PQL SPK value SPK	Ref Val %REC LowLimit	HighLimit %RPD RPD	DLimit Qual
Diesel Range Organics (DRO)	330 9.2 45.96 2	43.6 197 47.4	136	S
Surr: DNOP	7.0 4.596	153 55.1	146	S
Sample ID: 2001B45-001AMS	D SampType: MSD	TestCode: EPA Method	8015M/D: Diesel Range Orga	anics
Client ID: S-61	Batch ID: 50155	RunNo: 66185		
Prep Date: 1/30/2020	Analysis Date: 1/30/2020	SeqNo: 2273382	Units: mg/Kg	
Analyte	Result PQL SPK value SPK	Ref Val %REC LowLimit	HighLimit %RPD RPD	DLimit Qual
Diesel Range Organics (DRO)		43.6 368 47.4	136 23.3	43.4 S
Surr: DNOP	9.6 4.850	199 55.1	146 0	0 S
Sample ID: MB-50153	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Orga	anics
Client ID: PBS	Batch ID: 50153	RunNo: 66185		
Prep Date: 1/30/2020	Analysis Date: 1/30/2020	SeqNo: 2273551	Units: %Rec	
Analyte	Result PQL SPK value SPK	Ref Val %REC LowLimit	HighLimit %RPD RPD	DLimit Qual
Surr: DNOP	8.8 10.00	87.8 55.1	146	
Sample ID: LCS-50153	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Orga	anics
Client ID: LCSS	Batch ID: 50153	RunNo: 66185		
Prep Date: 1/30/2020	Analysis Date: 1/30/2020	SeqNo: 2273552	Units: %Rec	
Analyte	Result PQL SPK value SPK I	Ref Val %REC LowLimit	HighLimit %RPD RPD	DLimit Qual
,			<u></u> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	

Qualifiers:

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

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit

Page 3 of 6

v	ronmental Analysis Laboratory, Inc.	WO#: 2001B45 31-Jan-20
Client:	ENSOLUM	
Project:	Blanco Storage	

Sample ID: LCS-50153 SampType: LCS						TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS Batch ID: 50153 RunNo: 6						6185								
Prep Date: 1/30/2020	Prep Date: 1/30/2020 Analysis Date: 1/30/2020				eqNo: 22	273552	Units: %Rec	;						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Surr: DNOP	4.1		5.000		81.0	55.1	146							

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 4 of 6

.

Released to Imaging: 1/30/2024 3:00:11 PM

ENSOLUM

Blanco Storage

Client:

Project:

Sample ID: mb-50149

Client ID: PBS

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

SampType: MBLK

Batch ID: 50149

	Duto	110.00	140			0100				
Prep Date: 1/29/2020	Analysis D	Date: 1/	30/2020	S	SeqNo: 2	274174	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	810		1000		80.8	66.6	105			
Sample ID: Ics-50149	SampT	ype: LC	s	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batch	n ID: 50	149	F	RunNo: 6	6183				
Prep Date: 1/29/2020	Analysis D	Date: 1/	30/2020	S	SeqNo: 2	274175	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	87.2	80	120			
Surr: BFB	910		1000		91.2	66.6	105			
Sample ID: mb-50144	SampT	уре: М	BLK	Tes	tCode: E	PA Method	8015D: Gasc	line Rang	e	
Sample ID: mb-50144 Client ID: PBS	•	⊽ype: M I n ID: 50			tCode: E RunNo: 6		8015D: Gaso	line Rang	e	
	•	h ID: 50	144	F		6183	8015D: Gaso Units: %Ree	U	e	
Client ID: PBS	Batch	h ID: 50	144 /31/2020	F	RunNo: 6 SeqNo: 2	6183		U	e RPDLimit	Qual
Client ID: PBS Prep Date: 1/29/2020	Batch Analysis D	h ID: 50 Date: 1/	144 /31/2020	F	RunNo: 6 SeqNo: 2	6183 274193	Units: %Re			Qual
Client ID: PBS Prep Date: 1/29/2020 Analyte	Batch Analysis D Result 760	h ID: 50 Date: 1/	144 /31/2020 SPK value 1000	F SPK Ref Val	RunNo: 6 SeqNo: 2 %REC 76.0	6183 274193 LowLimit 66.6	Units: %Re o HighLimit	e %RPD	RPDLimit	Qual
Client ID: PBS Prep Date: 1/29/2020 Analyte Surr: BFB	Batch Analysis D Result 760 SampT	n ID: 50 Date: 1/ PQL	144 /31/2020 SPK value 1000	F SPK Ref Val Tes	RunNo: 6 SeqNo: 2 %REC 76.0	6183 274193 LowLimit 66.6 PA Method	Units: %Re HighLimit 105	e %RPD	RPDLimit	Qual
Client ID: PBS Prep Date: 1/29/2020 Analyte Surr: BFB Sample ID: Ics-50144	Batch Analysis D Result 760 SampT	Date: 1/ PQL Type: LC	144 /31/2020 SPK value 1000 :S 144	F SPK Ref Val Tes F	RunNo: 6 SeqNo: 2 %REC 76.0 tCode: E	6183 274193 LowLimit 66.6 PA Method 6183	Units: %Re HighLimit 105	C %RPD line Rang	RPDLimit	Qual
Client ID: PBS Prep Date: 1/29/2020 Analyte Surr: BFB Sample ID: Ics-50144 Client ID: LCSS	Batch Analysis D Result 760 SampT Batch	Date: 1/ PQL Type: LC	144 /31/2020 SPK value 1000 CS 144 /31/2020	F SPK Ref Val Tes F	RunNo: 6 SeqNo: 2 %REC 76.0 tCode: E RunNo: 6 SeqNo: 2	6183 274193 LowLimit 66.6 PA Method 6183 274194	Units: %Red HighLimit 105 8015D: Gasc	C %RPD line Rang	RPDLimit	Qual

TestCode: EPA Method 8015D: Gasoline Range

RunNo: 66183

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

- WO#: 2001B45
 - 31-Jan-20

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Project:	ENSOLU Blanco St										
Sample ID: ml	b-50149	SampT	ype: ME	BLK	Tes	tCode: Ef	PA Method	8021B: Volati	les		
Client ID: PE			n ID: 50'		F	RunNo: 6	6183				
	/29/2020	Analysis D		-		SeqNo: 2		Units: mg/Kg	a		
Analyte		Result	PQL		SPK Ref Val	•	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025			/iiiieo	LOWLINI	TigriEinin			Quai
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Bromoflu	ıorobenzene	0.91		1.000		91.3	80	120			
Sample ID: LC	CS-50149	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LC	css	Batcl	n ID: 50	149	F	RunNo: 6	6183				
Prep Date: 1	/29/2020	Analysis D	Date: 1/	30/2020	S	SeqNo: 2	274220	Units: mg/Kg	9		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.89	0.025	1.000	0	88.7	80	120			
Toluene		0.91	0.050	1.000	0	91.2	80	120			
Ethylbenzene		0.90	0.050	1.000	0	89.6	80	120			
Xylenes, Total		2.7	0.10	3.000	0	91.2	80	120			
Surr: 4-Bromoflu	iorobenzene	0.95		1.000		94.5	80	120			
Sample ID: ml	b-50144	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PE	BS	Batcl	h ID: 50	144	F	RunNo: 6	6183				
Prep Date: 1	/29/2020	Analysis D	Date: 1/	31/2020	S	SeqNo: 22	274238	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromoflu	iorobenzene	0.88		1.000		88.4	80	120			
Sample ID: LC	CS-50144	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LC	SS	Batcl	n ID: 50	144	F	RunNo: 6	6183				
Prep Date: 1	/29/2020	Analysis D	Date: 1/	31/2020	S	SeqNo: 2	274239	Units: %Rec			

Qualifiers:

Analyte

Surr: 4-Bromofluorobenzene

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

в Analyte detected in the associated Method Blank

90.2

LowLimit

80

HighLimit

120

- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit

SPK value SPK Ref Val %REC

1.000

Page 6 of 6

%RPD

RPDLimit

Qual

WO#:	2001B45

31-Jan-20

Result

0.90

PQL

.

ENVIRONMENTAL ANALYSIS	Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com	NE 09 07 Sample Log-In Check List	57 <i>0</i> 7 50
Client Name: ENSOLUM AZTEC Wo	ork Order Number: 2001B45	RcptNo: 1	
	2020 8:20:00 AM	De Ame	
Reviewed By: DAD 1/30/20	2	Cone Ser	
Chain of Custody			
1. Is Chain of Custody sufficiently complete?	Yes 🗹	No 🗌 Not Present 🛄	
2. How was the sample delivered?	Courier		
Log In 3. Was an attempt made to cool the samples?	Yes 🗹		
4. Were all samples received at a temperature of >0°	C to 6.0°C Yes 🗹		
5. Sample(s) in proper container(s)?	Yes 🔽	Νο	
6. Sufficient sample volume for indicated test(s)?	Yes ✔	Νο	
7. Are samples (except VOA and ONG) properly present	rved? 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		
10, Were any sample containers received broken?	Yes	No 🗹 # of preserved bottles checked	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🔽	No for pH: (<2 or >12 unless noted)	
12, Are matrices correctly identified on Chain of Custody	?Yes 🗹	No Adjusted?	
13. 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: DI 30 Zo	
<u>Special Handling (if applicable)</u>			
15. Was client notified of all discrepancies with this order	er? Yes		
Person Notified: By Whom: Regarding: Client Instructions:	Date Via: eMail Phone	one 🔄 Fax 🔄 In Person	
16. Additional remarks: CUStody Sea	el intact on sou	ul Jan 101/30/20	
17. <u>Cooler Information</u> Cooler No Temp °C Condition Seal Intac 1 0.7 Good Yes	1. 11 4. 1	igned By	

Page 1 of 1

Received by OCD: 8/15/2023 10:45:18 AM

			C D: 8 /	/15//2	2023	10:	45:18 A	M							_						Pag	e 338	of 384
	ANALYSTS LABORATORY)								- ·		 											sport.
		5	60										·····					 	-				lytical re
		1	- Albuquerque, NM 87109	4107							1												he anal
ģ			www.riaiieitviroiiitieitiai.coiiti ns NE - Albuquerque, NM {	505-345-4107	uest	(tr	iəsdA\ti	Preser) ա	rotal Colifor	-										61	AFE & N 41242	ed on t
			erqu	505-				- (A	ΟΛ·	-im92) 0728	3		1					 		7	5	5	y notat
		ir.o.	nbnq	Fax	Analysis					(AOV) 0928	_							_		Suo	20	34	e clearl
	L X			10	Anal	<i>*</i> 0	S '≭Qd			21, 78 7, 77, 10	_								 	2 2	ſ	H.	a will b
			Ц И И И И И	3975												 				101	63	5	led data
		5	4901 Hawkins NE	505-345-3975		··	211120			DB (Metho 2DB (Metho		·				 			 	7	r K	− €	contract
2	ר ר		1 Hav				PCB's			Sites 1 Pestic	-					 		 		by	J	14	y sub-c
			490	Tel.		(0				LPH:8015D(arks:		2 <u></u>	ity. An
						()	<u>ع (</u> 802	awr (39	THI / XATE	 ~								 	Remarks			oossibil
25	30							- A shakili											 		ð	92	of this
100 Same	20									- 0.7 ° c AL No. FR (L N	12									Time	<u>006i</u>	8; 2b	notice
610	0		30						A STATE OF STATE												2		ves as
101	SI		a		ζĻ			NO												Date	20	uate 11ろた <i>12</i> か	his ser
	ہا		Storage		õ		N N	III	観察	A A AND A				-		 		 	 	-	_		ries. 1
	🔊 Rush_				26		Sumas	L S	A STATE OF STATE	nduding cr): O.; D Preservative Tvne											-2		aborato
Time:	Ē		020		0		20%	A A A A Yes		Preser	6.0									Via:	<u>Nart</u>		dited i
nd T	ard	me:	200		CHO ACCI 120	Project Manager:	\sim	$ v ^{\circ}$	rs:							 \neg				-	צ- נ		er accre
Arou	□ Standard	ct N≋	Bla	# #	0	ct Ma	X	e:	oole		24									: d by:	Murt	Salved by	to off
Turn-Around	□ S	Project Name		Project #:		^o roje		Sampler: On Ice:	f.of	Cooler Temp MC M Container Container Type and #	12/02	•								Received by:	5	received by:	tracted
<u>['</u>			1						746											œ	$\frac{1}{2}$		subcon
b	i		S Rip Corande				datio										ĺ						nay be
CO			20				Vali													ſ	1	hold	ental n
Re			0				(Full			Nam	10									0	\mathcal{A}	ح	Nironm
ð			R	10			vel 4	lce			5-61									\langle	$\langle \rangle$		
sto	۲		S	874110			Level 4 (Full Validation)	npliar		Sample Name										à			tted to
Ü	10		26	-0				Con		1									 	uished			
ŌĘ	Easolun		600	NM				 Az Compliance Other 		Matrix	2									Relinquished by:			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.
j.	111		ress:	Ì		Ĥ	age:																ssary, s
Chain-of-Custody Record	-		j Add	ztec	#	or Fax	Pack Idard	litatio .AC	EDD (Type)	Time	1000										0921		lf nece
	Client:		Mailing Address:	HZ,	Phone #:	email or Fax#:	QA/QC Package:	Accreditation:	EDL	Date	19120									, te:	29/20		<u> </u>
	ပ		lΣ	٦	ā	ē	σ□	¥Π			20									⊂ Date:	عاد	Vale.	



February 06, 2020

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OrderNo.: 2002122

Dear Kyle Summers:

RE: Blanco Storage

Hall Environmental Analysis Laboratory received 4 sample(s) on 2/5/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2002122

Date Reported: 2/6/2020

CLIENT: ENSOLUM	Client Sample ID: S-62												
Project: Blanco Storage		(Collection Dat	e: 2/4	4/2020 1:00:00 PM								
Lab ID: 2002122-001	Matrix: SOIL	Received Date: 2/5/2020 8:15:00 AM											
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch							
EPA METHOD 300.0: ANIONS					Analys	CAS							
Chloride	ND	60	mg/Kg	20	2/5/2020 11:46:01 AM	50267							
EPA METHOD 8015M/D: DIESEL RANG	SE ORGANICS				Analys	: CLP							
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	2/5/2020 10:05:21 AM	50266							
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/5/2020 10:05:21 AM	50266							
Surr: DNOP	88.3	55.1-146	%Rec	1	2/5/2020 10:05:21 AM	50266							
EPA METHOD 8015D: GASOLINE RAN	GE				Analys	: RAA							
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/5/2020 12:11:33 PM	G66314							
Surr: BFB	78.9	66.6-105	%Rec	1	2/5/2020 12:11:33 PM	G66314							
EPA METHOD 8021B: VOLATILES					Analys	: RAA							
Benzene	ND	0.024	mg/Kg	1	2/5/2020 12:11:33 PM	B66314							
Toluene	ND	0.047	mg/Kg	1	2/5/2020 12:11:33 PM	B66314							
Ethylbenzene	ND	0.047	mg/Kg	1	2/5/2020 12:11:33 PM	B66314							
Xylenes, Total	ND	0.094	mg/Kg	1	2/5/2020 12:11:33 PM	B66314							
Surr: 4-Bromofluorobenzene	87.4	80-120	%Rec	1	2/5/2020 12:11:33 PM	B66314							

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 8

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2002122

Date Reported: 2/6/2020

CLIENT: ENSOLUM	Client Sample ID: S-63												
Project: Blanco Storage	Collection Date: 2/4/2020 1:05:00 PM												
Lab ID: 2002122-002	Matrix: SOIL												
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch							
EPA METHOD 300.0: ANIONS					Analys	t: CAS							
Chloride	ND	60	mg/Kg	20	2/5/2020 11:58:23 AM	50267							
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analys	t: CLP							
Diesel Range Organics (DRO)	21	8.9	mg/Kg	1	2/5/2020 10:14:28 AM	50266							
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	2/5/2020 10:14:28 AM	50266							
Surr: DNOP	88.8	55.1-146	%Rec	1	2/5/2020 10:14:28 AM	50266							
EPA METHOD 8015D: GASOLINE RAI	NGE				Analys	t: RAA							
Gasoline Range Organics (GRO)	ND	4.1	mg/Kg	1	2/5/2020 12:34:49 PM	G66314							
Surr: BFB	79.6	66.6-105	%Rec	1	2/5/2020 12:34:49 PM	G66314							
EPA METHOD 8021B: VOLATILES					Analys	t: RAA							
Benzene	ND	0.021	mg/Kg	1	2/5/2020 12:34:49 PM	B66314							
Toluene	ND	0.041	mg/Kg	1	2/5/2020 12:34:49 PM	B66314							
Ethylbenzene	ND	0.041	mg/Kg	1	2/5/2020 12:34:49 PM	B66314							
Xylenes, Total	ND	0.082	mg/Kg	1	2/5/2020 12:34:49 PM	B66314							
Surr: 4-Bromofluorobenzene	88.0	80-120	%Rec	1	2/5/2020 12:34:49 PM	B66314							

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit

Page 2 of 8

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2002122

Date Reported: 2/6/2020

CLIENT: ENSOLUM		Cl	ient Sample II	D: S-0	64	
Project: Blanco Storage		(Collection Dat	e: 2/4	4/2020 1:10:00 PM	
Lab ID: 2002122-003	Matrix: SOIL		Received Dat	e: 2/5	5/2020 8:15:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	CAS
Chloride	ND	60	mg/Kg	20	2/5/2020 12:10:44 PM	50267
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analys	:: CLP
Diesel Range Organics (DRO)	36	9.6	mg/Kg	1	2/5/2020 10:23:33 AM	50266
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/5/2020 10:23:33 AM	50266
Surr: DNOP	90.5	55.1-146	%Rec	1	2/5/2020 10:23:33 AM	50266
EPA METHOD 8015D: GASOLINE RAN	GE				Analys	: RAA
Gasoline Range Organics (GRO)	ND	16	mg/Kg	5	2/5/2020 12:58:07 PM	G66314
Surr: BFB	83.1	66.6-105	%Rec	5	2/5/2020 12:58:07 PM	G66314
EPA METHOD 8021B: VOLATILES					Analys	: RAA
Benzene	ND	0.079	mg/Kg	5	2/5/2020 12:58:07 PM	B66314
Toluene	ND	0.16	mg/Kg	5	2/5/2020 12:58:07 PM	B66314
Ethylbenzene	ND	0.16	mg/Kg	5	2/5/2020 12:58:07 PM	B66314
Xylenes, Total	ND	0.31	mg/Kg	5	2/5/2020 12:58:07 PM	B66314
Surr: 4-Bromofluorobenzene	91.2	80-120	%Rec	5	2/5/2020 12:58:07 PM	B66314

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 3 of 8

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2002122

Date Reported: 2/6/2020

CLIENT: ENSOLUM		Cl	ient Sa	ample II	D: S-0	65	
Project: Blanco Storage		(Collect	tion Dat	e: 2/4	/2020 1:15:00 PM	
Lab ID: 2002122-004	Matrix: SOIL		Recei	ved Dat	e: 2/5	5/2020 8:15:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	ND	60		mg/Kg	20	2/5/2020 12:23:05 PM	50267
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	CLP
Diesel Range Organics (DRO)	140	8.9		mg/Kg	1	2/5/2020 10:48:19 AM	50266
Motor Oil Range Organics (MRO)	150	45		mg/Kg	1	2/5/2020 10:48:19 AM	50266
Surr: DNOP	98.7	55.1-146		%Rec	1	2/5/2020 10:48:19 AM	50266
EPA METHOD 8015D: GASOLINE RANGE						Analyst	RAA
Gasoline Range Organics (GRO)	8.7	4.2		mg/Kg	1	2/5/2020 1:21:23 PM	G66314
Surr: BFB	170	66.6-105	S	%Rec	1	2/5/2020 1:21:23 PM	G66314
EPA METHOD 8021B: VOLATILES						Analyst	RAA
Benzene	ND	0.021		mg/Kg	1	2/5/2020 1:21:23 PM	B66314
Toluene	ND	0.042		mg/Kg	1	2/5/2020 1:21:23 PM	B66314
Ethylbenzene	0.055	0.042		mg/Kg	1	2/5/2020 1:21:23 PM	B66314
Xylenes, Total	0.12	0.084		mg/Kg	1	2/5/2020 1:21:23 PM	B66314
Surr: 4-Bromofluorobenzene	95.9	80-120		%Rec	1	2/5/2020 1:21:23 PM	B66314

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 4 of 8

Client: EN	ISOLUM			
Project: B1	anco Storage			
Sample ID: MB-50267	SampType: mblk	TestCode: EPA Method	l 300.0: Anions	
Client ID: PBS	Batch ID: 50267	RunNo: 66318		
Prep Date: 2/5/2020	Analysis Date: 2/5/2020	SeqNo: 2279270	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID: LCS-50267	SampType: Ics	TestCode: EPA Method	l 300.0: Anions	
Client ID: LCSS	Batch ID: 50267	RunNo: 66318		
Prep Date: 2/5/2020	Analysis Date: 2/5/2020	SeqNo: 2279271	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	14 1.5 15.00	0 93.8 90	110	

- * 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

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

Page 5 of 8

WO#: 2002122 06-Feb-20

Page	345	of 384
------	-----	--------

C	all Environmental Analysis Laboratory, Inc.								2002122 06-Feb-20	
Client:ENSOLProject:Blanco										
Sample ID: MB-50266	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	D: 50	266	F	RunNo: 6	6306				
Prep Date: 2/5/2020	Analysis D	ate: 2/	5/2020	S	SeqNo: 2	277774	Units: mg/#	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.6		10.00		85.7	55.1	146			

Sample ID: LCS-50266	SampType: LCS			Test	TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch ID: 50266 RunNo: 663			6306						
Prep Date: 2/5/2020	Analysis D	ate: 2/	5/2020	S	eqNo: 2	277775	Units: mg/K	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.4	75.7	130			
Surr: DNOP	3.9		5.000		78.2	55.1	146			

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 6 of 8

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	NSOLUM anco Storage									
Sample ID: 2.5ug gro	l cs Sam	Type: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID: LCSS	Bat	Batch ID: G66314			RunNo: 66314					
Prep Date:	Analysis	Date: 2/	5/2020	S	SeqNo: 2	278108	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (G	RO) 24	5.0	25.00	0	95.1	80	120			
Surr: BFB	880		1000		87.7	66.6	105			
Sample ID: mb	Sam	Type: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID: PBS	Bat	ch ID: G6	6314	F	RunNo: 6	6314				
Prep Date:	Analysis	Date: 2/	5/2020	5	SeqNo: 2	278111	Units: mg/h	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (G	RO) ND	5.0								
Surr: BFB	830		1000		83.3	66.6	105			

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

Page 7 of 8

2002122

06-Feb-20

WO#:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	2002122
	06 E-1 30

06-Feb-20

Client:	ENSOLUI										
Project:	Blanco Sto	orage									
Sample ID: 100ng	g btex lcs	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8021B: Vola	tiles		
Client ID: LCSS	;	Batch	n ID: B6	6314	F	unNo: 66	6314				
Prep Date:		Analysis D	ate: 2/	5/2020	S	eqNo: 22	278126	Units: mg/ #	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.99	0.025	1.000	0	99.5	80	120			
Toluene		1.0	0.050	1.000	0	100	80	120			
Ethylbenzene		1.0	0.050	1.000	0	100	80	120			
Xylenes, Total		3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorob	benzene	0.93		1.000		93.2	80	120			
Sample ID: mb		SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8021B: Vola	tiles		
Client ID: PBS		Batch	n ID: B6	6314	F	unNo: 66	6314				
Prep Date:		Analysis D	ate: 2/	5/2020	S	eqNo: 22	278129	Units: mg/k	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Bromofluorob	benzene	0.94		1.000		94.3	80	120			
Sample ID: 20021											
	22-001ams	SampT	ype: MS	5	Tes	tCode: EF	PA Method	8021B: Vola	tiles		
Client ID: S-62	122-001ams	•	ype: MS 1D: B6			tCode: EF		8021B: Vola	tiles		
		•	n ID: B6	6314	F		6314	8021B: Vola Units: mg/k			
Client ID: S-62		Batch	n ID: B6	6314 5/2020	F	tunNo: 66	6314			RPDLimit	Qual
Client ID: S-62 Prep Date: Analyte		Batcl Analysis D	n ID: B6 Date: 2/	6314 5/2020	٦ S	tunNo: 66 GeqNo: 22	6314 280025	Units: mg/k	ζg	RPDLimit	Qual
Client ID: S-62 Prep Date: Analyte Benzene		Batch Analysis D Result	n ID: B6 Date: 2/ PQL	6314 5/2020 SPK value	F S SPK Ref Val	2unNo: 66 6eqNo: 22 %REC	5 314 280025 LowLimit	Units: mg/F HighLimit	ζg	RPDLimit	Qual
Client ID: S-62 Prep Date: Analyte Benzene Toluene		Batch Analysis D <u>Result</u> 0.89	n ID: B6 Date: 2/ PQL 0.024	6314 5/2020 SPK value 0.9443	F S SPK Ref Val 0	2unNo: 66 SeqNo: 22 %REC 94.5	6314 280025 LowLimit 78.5	Units: mg/k HighLimit 119	ζg	RPDLimit	Qual
Client ID: S-62 Prep Date: Analyte Benzene Toluene Ethylbenzene		Batch Analysis D Result 0.89 0.91	Date: 2/9 PQL 0.024 0.047	6314 5/2020 SPK value 0.9443 0.9443	F S SPK Ref Val 0 0	RunNo: 66 SeqNo: 22 %REC 94.5 96.5	6314 280025 LowLimit 78.5 75.7	Units: mg/k HighLimit 119 123	ζg	RPDLimit	Qual
Client ID: S-62 Prep Date: Analyte Benzene Toluene Ethylbenzene		Analysis D Result 0.89 0.91 0.92	Date: 2/9 Pate: 2/9 0.024 0.047 0.047	6314 5/2020 SPK value 0.9443 0.9443 0.9443	F S SPK Ref Val 0 0 0	eunNo: 66 60 60 60 74 74 75 96 75 97 74	5314 280025 LowLimit 78.5 75.7 74.3	Units: mg/k HighLimit 119 123 126	ζg	RPDLimit	Qual
Client ID: S-62 Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total	benzene	Batch Analysis D Result 0.89 0.91 0.92 2.8 0.91	Date: 2/9 Pate: 2/9 0.024 0.047 0.047	6314 5/2020 SPK value 0.9443 0.9443 0.9443 2.833 0.9443	F SPK Ref Val 0 0 0 0.02125	RunNo: 66 SeqNo: 22 %REC 94.5 96.5 97.4 97.3 96.8	5314 280025 LowLimit 78.5 75.7 74.3 72.9 80	Units: mg/k HighLimit 119 123 126 130	íg %RPD	RPDLimit	Qual
Client ID: S-62 Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorot	benzene	Batch Analysis D Result 0.89 0.91 0.92 2.8 0.91 SampT	PQL 0.024 0.047 0.094	6314 5/2020 SPK value 0.9443 0.9443 0.9443 2.833 0.9443	F SPK Ref Val 0 0 0 0.02125 Tes	RunNo: 66 SeqNo: 22 %REC 94.5 96.5 97.4 97.3 96.8	280025 LowLimit 78.5 75.7 74.3 72.9 80 PA Method	Units: mg/k HighLimit 119 123 126 130 120	íg %RPD	RPDLimit	Qual
Client ID: S-62 Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorot	benzene I 22-001 amsd	Batch Analysis D Result 0.89 0.91 0.92 2.8 0.91 SampT	PQL 0.024 0.047 0.047 0.047 0.094	6314 5/2020 0.9443 0.9443 0.9443 2.833 0.9443 0.9443 5D 6314	F SPK Ref Val 0 0 0.02125 Tes F	eunNo: 66 SeqNo: 22 %REC 94.5 94.5 97.4 97.3 96.8 tCode: EF	5314 280025 280025 78.5 75.7 74.3 72.9 80 PA Method 5314	Units: mg/k HighLimit 119 123 126 130 120	Sg %RPD tiles	RPDLimit	Qual
Client ID: S-62 Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Sur: 4-Bromofluorot Sample ID: 20021 Client ID: S-62	benzene I 22-001 amsd	Batch Analysis D Result 0.89 0.91 0.92 2.8 0.91 SampT Batch	PQL 0.024 0.047 0.047 0.047 0.094	6314 5/2020 SPK value 0.9443 0.9443 2.833 0.9443 60 6314 5/2020	F SPK Ref Val 0 0 0.02125 Tes F	RunNo: 66 SeqNo: 22 %REC 94.5 96.5 97.4 97.3 96.8 tCode: EF	5314 280025 280025 78.5 75.7 74.3 72.9 80 PA Method 5314	Units: mg/k HighLimit 119 123 126 130 120 8021B: Vola	Sg %RPD tiles	RPDLimit	Qual
Client ID: S-62 Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorot Sample ID: 20021 Client ID: S-62 Prep Date: Analyte	benzene I 22-001 amsd	Batch Analysis D Result 0.89 0.91 0.92 2.8 0.91 SampT Batch Analysis D	PQL 0.024 0.047 0.047 0.047 0.094	6314 5/2020 SPK value 0.9443 0.9443 2.833 0.9443 60 6314 5/2020	F SPK Ref Val 0 0 0 0.02125 Tes F S	RunNo: 66 SeqNo: 22 %REC 94.5 96.5 97.4 97.3 96.8 tCode: EF RunNo: 66 SeqNo: 22	5314 280025 280025 78.5 75.7 74.3 72.9 80 29 A Method 5314 280026	Units: mg/k HighLimit 119 123 126 130 120 8021B: Volar Units: mg/k	Kg %RPD tiles		
Client ID: S-62 Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorot Sample ID: 20021 Client ID: S-62 Prep Date: Analyte Benzene	benzene I 22-001 amsd	Batch Analysis D Result 0.89 0.91 0.92 2.8 0.91 SampT Batch Analysis D Result	PQL 0.024 0.024 0.024 0.047 0.047 0.094 	6314 5/2020 SPK value 0.9443 0.9443 2.833 0.9443 5.00 6314 5/2020 SPK value	F SPK Ref Val 0 0 0.02125 Tes F SPK Ref Val	RunNo: 66 SeqNo: 22 %REC 94.5 96.5 97.4 97.3 96.8 tCode: EF RunNo: 66 SeqNo: 22 %REC	5314 280025 280025 78.5 75.7 74.3 72.9 80 PA Method 5314 280026 LowLimit	Units: mg/k HighLimit 119 123 126 130 120 8021B: Vola Units: mg/k HighLimit	Sg %RPD tiles Sg %RPD	RPDLimit	
Client ID: S-62 Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorot Sample ID: 20021 Client ID: S-62 Prep Date: Analyte Benzene Toluene	benzene I 22-001 amsd	Batch Analysis D 0.89 0.91 0.92 2.8 0.91 SampT Batch Analysis D Result 0.89	PQL 0.024 0.047 0.047 0.047 0.094 vype: MS 0.094 DD: B6 pate: 2/9 PQL 0.024	6314 5/2020 SPK value 0.9443 0.9443 2.833 0.9443 5.09443 6314 5/2020 SPK value 0.9443	F SPK Ref Val 0 0 0 0.02125 Tes F SPK Ref Val 0	RunNo: 66 SeqNo: 22 94.5 96.5 97.4 97.3 96.8 COde: EF RunNo: 66 SeqNo: 22 %REC 94.1	5314 280025 280025 78.5 75.7 74.3 72.9 80 PA Method 5314 280026 LowLimit 78.5	Units: mg/k HighLimit 119 123 126 130 120 8021B: Volar Units: mg/k HighLimit 119	5g %RPD tiles 5g %RPD 0.498	RPDLimit 20	
Client ID: S-62 Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorot Sample ID: 20021 Client ID: S-62 Prep Date:	benzene I 22-001 amsd	Batch Analysis D Result 0.89 0.91 0.92 2.8 0.91 SampT Batch Analysis D Result 0.89 0.90	PQL 0.024 0.047 0.047 0.094 0.047 0.094 0.094 DID: B6 0ate: 2 /3 PQL 0.024 0.024 0.024	6314 5/2020 SPK value 0.9443 0.9443 2.833 0.9443 0.9443 5/2020 SPK value 0.9443 0.9443	F SPK Ref Val 0 0 0 0.02125 Tes 5 SPK Ref Val 0 0 0	RunNo: 66 SeqNo: 22 94.5 96.5 97.4 97.3 96.8 Code: EF SunNo: 66 SeqNo: 22 %REC 94.1 95.4	5314 280025 LowLimit 78.5 75.7 74.3 72.9 80 20 Method 5314 280026 LowLimit 78.5 75.7	Units: mg/k HighLimit 119 123 126 130 120 8021B: Volar Units: mg/k HighLimit 119 123	5g %RPD tiles 5g 0.498 1.14	RPDLimit 20 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

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

Page	348	01	F 384
1 1 2 2	010	~	001

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmenta Alb TEL: 505-345-397: Website: www.ha	s NE 7109 San 4107	Sample Log-In Check List			
Client Name: ENSOLUM AZTEC	Work Order Number	2002122		RcptNo: 1		
Received By: Desiree Dominguez	2/5/2020 8:15:00 AM	÷	B			
Completed By: Leah Baca	2/5/2020 8:26:48 AM		Loop Bres			
Reviewed By: ENH	2/5/20		Law Ja	-		
Chain of Custody						
1. Is Chain of Custody sufficiently complete?		Yes 🗹	No 🗌	Not Present		
2. How was the sample delivered?		<u>Courier</u>				
Log In 3. Was an attempt made to cool the samples	97	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)?		Yes 🔽	No 🗌			
6. Sufficient sample volume for indicated test	(s)?	Yes 🗹	No 🗌			
7. Are samples (except VOA and ONG) prop	erly 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 bro	ken?	Yes	No 🗹	# of preserved	and the second se	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🗔		2 unless noted)	
12 Are matrices correctly identified on Chain of	of Custody?	Yes 🗹	No 🗌	Adjusted		
13. Is it clear what analyses were requested?		Yes 🗹	No 🗌		1 -1 -	
 Were all holding times able to be met? (If no, notify customer for authorization.) 		Yes 🗹	No 🗌	Checked by:	2/05/20	
Special Handling (if applicable)						
15. Was client notified of all discrepancies wit	h this order?	Yes 🗌	No 🗌	NA 🗹		
	Date:					
By Whom:	Via: [🗌 eMail 🔲 F	Phone 🗌 Fax	In Person		
Regarding: Client Instructions:	. 2944 - Addamenter Marine, 2744 e entre entre Antificie de la constante entre e					
16. Additional remarks:						
17. <u>Cooler Information</u> Cooler No Temp °C Condition	Seal Intact - Seal No	Seal Date	Signed By	5		

Page 1 of 1

ļ



February 10, 2020

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OrderNo.: 2002279

Dear Kyle Summers:

RE: Blanco Storage

Hall Environmental Analysis Laboratory received 1 sample(s) on 2/7/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2002279

Date Reported: 2/10/2020

CLIENT: ENSOLUM		Cl	ient Sample II	D: S-	66			
Project: Blanco Storage		(Collection Dat	e: 2/0	5/2020 10:30:00 AM			
Lab ID: 2002279-001	Matrix: SOIL	Received Date: 2/7/2020 8:00:00 AM						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	CAS		
Chloride	ND	60	mg/Kg	20	2/7/2020 11:15:22 AM	50328		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: CLP		
Diesel Range Organics (DRO)	69	8.3	mg/Kg	1	2/7/2020 10:50:53 AM	50322		
Motor Oil Range Organics (MRO)	96	42	mg/Kg	1	2/7/2020 10:50:53 AM	50322		
Surr: DNOP	102	55.1-146	%Rec	1	2/7/2020 10:50:53 AM	50322		
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	RAA		
Gasoline Range Organics (GRO)	ND	3.7	mg/Kg	1	2/7/2020 9:51:01 AM	50313		
Surr: BFB	84.7	66.6-105	%Rec	1	2/7/2020 9:51:01 AM	50313		
EPA METHOD 8021B: VOLATILES					Analyst	RAA		
Benzene	ND	0.019	mg/Kg	1	2/7/2020 9:51:01 AM	50313		
Toluene	ND	0.037	mg/Kg	1	2/7/2020 9:51:01 AM	50313		
Ethylbenzene	ND	0.037	mg/Kg	1	2/7/2020 9:51:01 AM	50313		
Xylenes, Total	ND	0.075	mg/Kg	1	2/7/2020 9:51:01 AM	50313		
Surr: 4-Bromofluorobenzene	91.9	80-120	%Rec	1	2/7/2020 9:51:01 AM	50313		

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 5

Client: Project:	ENSOL Blanco										
Sample ID: MB-		•	ype: mt					300.0: Anion	s		
Client ID: PBS Prep Date: 2/7	, //2020	Batcr Analysis D	n ID: 50 9ate: 2/			8unNo: 6 SeqNo: 2		Units: mg/K	g		
Analyte Chloride		Result ND	PQL 1.5	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: LCS Client ID: LCS		•	ype: Ics			tCode: El RunNo: 6		300.0: Anion	S		
Prep Date: 2/7	/2020	Analysis D	ate: 2/	7/2020	S	SeqNo: 2	282380	Units: mg/K	•		
Analyte Chloride		Result 14	PQL 1.5	SPK value 15.00	SPK Ref Val 0	%REC 92.3	LowLimit 90	HighLimit 110	%RPD	RPDLimit	Qual

- * 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

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

Page 2 of 5

2002279

10-Feb-20

WO#:

QC SUMMARY REPORT Ha

Page	353	of 384
------	-----	--------

	WO#:	2002279
Iall Environmental Analysis Laboratory, Inc.		10-Feb-20

Client: ENSO											
Project: Blanco	Storage										
Sample ID: MB-50322	SampTy	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch	ID: 50	322	F	RunNo: 6	6379					
Prep Date: 2/7/2020	Analysis Da	ate: 2/	7/2020	S	SeqNo: 2	281223	Units: mg/K	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	10									
Motor Oil Range Organics (MRO)	ND	50									
Surr: DNOP	9.7		10.00		97.0	55.1	146				
Sample ID: LCS-50322	SampTy	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics		
Client ID: LCSS	Batch	ID: 50	322	F	RunNo: 6	6379					
Prep Date: 2/7/2020	Analysis Da	ate: 2/	7/2020	S	SeqNo: 2	281224	Units: mg/K	íg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	49	10	50.00	0	97.2	70	130				
Surr: DNOP	4.4		5.000		87.4	55.1	146				
Sample ID: 2002279-001AN	IS SampTy	ype: MS	6	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics		
Client ID: S-66	Batch	ID: 50	322	F	RunNo: 6	6379					
Prep Date: 2/7/2020	Analysis Da	ate: 2/	7/2020	S	SeqNo: 2	281306	Units: mg/K	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	120	8.7	43.25	69.08	119	47.4	136				
Surr: DNOP	4.3		4.325		98.5	55.1	146				
Sample ID: 2002279-001AN	ISD SampTy	ype: MS	SD	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics		
Client ID: S-66	Batch	ID: 50	322	F	RunNo: 6	6379					
Prep Date: 2/7/2020	Analysis Da	ate: 2/	7/2020	S	SeqNo: 2	281307	Units: mg/K	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	110	10	50.05	69.08	84.0	47.4	136	7.98	43.4		
Surr: DNOP	4.9		5.005		97.6	55.1	146	0	0		

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 35	4 of 384
---------	----------

C	ronmental Analysis Laboratory, Inc.	WO#:	2002279 10-Feb-20
Client: Project:	ENSOLUM Blanco Storage		

Sample ID: Ics-50313	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gasc	e		
Client ID: LCSS	Batch ID: 50313 RunNo: 66388									
Prep Date: 2/6/2020	Analysis D	0ate: 2/	7/2020	SeqNo: 2282531			Units: mg/#	٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	86.2	80	120			
0 050										
Surr: BFB	920		1000		92.1	66.6	105			
Surr: BFB		ype: ME		Tes			105 8015D: Gasc	oline Rang	e	
	SampT	ype: ME n ID: 50	BLK			PA Method		oline Rang	e	
Sample ID: mb-50313	SampT	n ID: 50 :	3LK 313	F	tCode: El	PA Method		0	e	
Sample ID: mb-50313 Client ID: PBS	SampT Batch	n ID: 50 :	3LK 313 7/2020	F	tCode: El RunNo: 60 SeqNo: 23	PA Method	8015D: Gasc	0	e RPDLimit	Qual
Sample ID: mb-50313 Client ID: PBS Prep Date: 2/6/2020	SampT Batch Analysis D	n ID: 50: Date: 2/	3LK 313 7/2020	F	tCode: El RunNo: 60 SeqNo: 23	PA Method 6388 282532	8015D: Gasc Units: mg/K	(g		Qual

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

Page 4 of 5

.

Released to Imaging: 1/30/2024 3:00:11 PM

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Analyte detected in the associated Method Blank

Analyte detected below quantitation limits

E Value above quantitation range

Sample pH Not In Range

RL Reporting Limit

в

J

Р

Page	355	of 384
------	-----	--------

WO#:	2002279
	10 E.L 20

10-Feb-20

Client:ENSOIProject:Blanco	LUM Storage									
Sample ID: LCS-50313	SampT	Гуре: LC	S	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batcl	h ID: 50	313	F	RunNo: 6	6388				
Prep Date: 2/6/2020	Analysis E	Date: 2/	7/2020	S	SeqNo: 2	282556	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.0	80	120			
Toluene	0.94	0.050	1.000	0	94.5	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.2	80	120			
Surr: 4-Bromofluorobenzene	0.96		1.000		95.6	80	120			
Sample ID: mb-50313	SampT	Гуре: МЕ	BLK	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID: PBS	Batc	h ID: 50	313	F	RunNo: 6	6388				
Prep Date: 2/6/2020	Analysis E	Date: 2/	7/2020	S	SeqNo: 2	282557	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		95.6	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

Page 5 of 5

eived by OCD: 8/15/2023 10:45:18 AM HALL ENVIRONMENTAL ANALYSIS LABORATORY	All TEL: 505-345-397.	Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com			Page 356 oj Sample Log-In Check List				
Client Name: ENSOLUM AZTEC	Work Order Number	r: 2002279			RcptNo: 1				
Received By: Desiree Dominguez Completed By: Leah Baca Reviewed By: DAD 2-7-20	2/7/2020 8:00:00 AM 2/7/2020 8:14:06 AM		TH Lad	Ba	4				
Chain of Custody 1. Is Chain of Custody sufficiently complete?		Yes d							
2. How was the sample delivered?		Yes ⊻ <u>Client</u>	N	o 🗌	Not Present				
Log In 3. Was an attempt made to cool the samples?		Yes 🖌	N	o 🗌					
4. Were all samples received at a temperature	of >0° C to 6.0°C	Yes 🗹	N	•					
5. Sample(s) in proper container(s)?		Yes 🗹	N	o 🗌					
6. Sufficient sample volume for indicated test(s	5)?	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	I" for AQ VOA?	Yes 🗌	No						
10. Were any sample containers received broke	en?	Yes 🗌	N		# of preserved				
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No		bottles checked for pH: (<2 or >12 unless noted)				
12. Are matrices correctly identified on Chain of	Custody?	Yes 🗸	No		Adjusted?				
13. 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: JP 2770				
Special Handling (if applicable)				-	<i>,</i>				
15. Was client notified of all discrepancies with	this order?	Yes 🗌	N		NA 🔽				
Person Notified:	Date:	Nondalinear and A. Free		-					
By Whom:	Via:	eMail	Phone	Fax	In Person				
Regarding: Client Instructions:				an					
16. Additional remarks:									
17. <u>Cooler Information</u> Cooler No Temp ^o C Condition S	eal Intact Seal No S	Seal Date	Signed	By					

Page 1 of 1

<i>Received by OCD: 8/15/2023</i>	10:45:18 AM	Page 357 of 384
1ENTAL RATORY		alytical report.
HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com kins NE - Albuquerque, NM 87109 345-3975 Fax 505-345-4107 Analysis Request	(AOV) 8 8 8 8 8 8 9 <td>Lorg TCSS719 41243 be clearly notated on the an</td>	Lorg TCSS719 41243 be clearly notated on the an
HALL E ANALY www.haller 4901 Hawkins NE - A Tel. 505-345-3975 Ana	EDB (Method 504.1) EDB (Method 504.1) EDB (Method 504.1)	で うしい いで ちょう アモ 井 N
4901 Ha	Image: Section of the section of t	Remarks: P
100 20 100 20 100 20 100 20	e HEAL No. 2002 79 2002 79 -001	Date Time $\int \frac{1}{k} \int \frac{1}{2c} \frac{1}{112}$ Date Time $2/2/2 \int 2c \frac{8}{2}$, $\frac{2}{20}$ This serves as notice of this
LRusi SJ6	Iger: Sum n Abon	Wia: Wia: Via: Courter
Turn-Around Time: Standard I Project Name: $\mathcal{B}/\mathcal{R} \cap \mathcal{E}$ Project #:		Received by: Received by:
Chain-of-Custody Record t: Ensolum I Address: Lol S R. Can R + Suit A 87410 e #:	□ Level 4 (Full Validation)	Time: Relinquished by: Via: Time: Received by: Via: Time: Received by: Via: Time: Received by: Via: Time: Received by: Via: Received by: Courter If Received by: Courter If Received by: Courter If Received by: North If Received by: Courter If Received by: Norter If Received to other accredited laboratories. If
ain-of-Cus		Time: Relinquished by: 1113 Relinquished by: Time: Relinquished by: [Stor MWMM f necessary, samples submitted
Chain- Client: Mailing Address: Phone #:	email o QAVQC Date Date Date	Date: Time: 76 111 Date: Time: 7/w/20 186



February 14, 2020

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OrderNo.: 2002405

RE: Blanco Storage

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 1 sample(s) on 2/11/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2002405

Date Reported: 2/14/2020

CLIENT	: ENSOLUM	Client Sample ID: S-67
Project:	Blanco Storage	Collection Date: 2/10/2020 10:00:00 AM
Lab ID:	2002405-001	Matrix: MEOH (SOIL) Received Date: 2/11/2020 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	69	60	mg/Kg	20	2/11/2020 12:12:32 PM	50383
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst:	DJF
Gasoline Range Organics (GRO)	ND	4.4	mg/Kg	1	2/11/2020 11:41:22 AM	GS6645§
Surr: BFB	91.5	70-130	%Rec	1	2/11/2020 11:41:22 AM	GS6645§
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				Analyst:	CLP
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/11/2020 11:12:12 AM	50375
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/11/2020 11:12:12 AM	50375
Surr: DNOP	82.1	55.1-146	%Rec	1	2/11/2020 11:12:12 AM	50375
EPA METHOD 8260B: VOLATILES SHORT LIST	Г				Analyst:	DJF
Benzene	ND	0.022	mg/Kg	1	2/11/2020 11:41:22 AM	SS66459
Toluene	ND	0.044	mg/Kg	1	2/11/2020 11:41:22 AM	SS66459
Ethylbenzene	ND	0.044	mg/Kg	1	2/11/2020 11:41:22 AM	SS66459
Xylenes, Total	ND	0.088	mg/Kg	1	2/11/2020 11:41:22 AM	SS66459
Surr: 4-Bromofluorobenzene	92.3	70-130	%Rec	1	2/11/2020 11:41:22 AM	SS66459
Surr: Toluene-d8	99.7	70-130	%Rec	1	2/11/2020 11:41:22 AM	SS66459

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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

Page 1 of 5

Client:	ENSOLUM									
Project:	Blanco Storage									
Sample ID: MB-	IB-50383 SampType: mblk TestCode: EPA Method					Method	300.0: Anions	5		
Client ID: PBS	Ва	tch ID: 5	D: 50383 RunNo: 66464							
Prep Date: 2/1	1/2020 Analysi	s Date: 2	2/11/2020	S	SeqNo: 228	4361	Units: mg/K	g		
Analyte	Resul	PQL	SPK value	SPK Ref Val	%REC L	_owLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	NE	1.5								
Sample ID: LCS	-50383 San	SampType: Ics TestCode: EPA Method 300.0: Anions								
Client ID: LCS	S Ba	tch ID: 5	0383	RunNo: 66464						
Prep Date: 2/1	1/2020 Analysi	s Date: 2	2/11/2020	SeqNo: 2284364			Units: mg/Kg			
Analyte	Resul	PQL	SPK value	SPK Ref Val	%REC L	_owLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.6	90	110			

- * 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

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

Page 2 of 5

Page 360 of 384

2002405

14-Feb-20

WO#:

Released to Imaging: 1/30/2024 3:00:11 PM
Client:ENSOLProject:Blanco S	-									
Sample ID: MB-50375	SampT	ype: ME	BLK	Test	Code: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batcl	n ID: 50	375	R	unNo: 6	6445				
Prep Date: 2/11/2020	Analysis D	Date: 2/	11/2020	S	eqNo: 2	283399	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		108	55.1	146			
Sample ID: LCS-50375	SampT	ype: LC	S	Tes	Code: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batcl	h ID: 50	375	R	unNo: 6	6445				
Prep Date: 2/11/2020	Analysis D	Date: 2/	11/2020	S	eqNo: 2	283414	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	95.2	70	130			
Surr: DNOP	4.2		5.000		83.5	55.1	146			

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

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

Page 3 of 5

2002405

14-Feb-20

WO#:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

0.50

0.5000

WO#:	2002405
	14-Feb-20

Client:	ENSOLUM										
Project:	Blanco Storage										
Sample ID: mb1	Sa	mpType: N	IBLK	Tes	tCode: El	PA Method	8260B: Volat	iles Short	List		
Client ID: PBS	E	atch ID: S	F	RunNo: 66459							
Prep Date:	Analys	sis Date:	2/11/2020	S	SeqNo: 2	284118	Units: mg/K	g			
Analyte	Resu	lt PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	N	D 0.02	5								
Toluene	N	D 0.050)								
Ethylbenzene	N	D 0.050)								
Xylenes, Total	N	D 0.10)								
Surr: 1,2-Dichloroetha	ne-d4 0.4	8	0.5000		95.3	70	130				
Surr: 4-Bromofluorobe	nzene 0.4	8	0.5000		96.8	70	130				
Surr: Dibromofluorome	ethane 0.5	3	0.5000		106	70	130				
Surr: Toluene-d8	0.5	0	0.5000		101	70	130				
Sample ID: 100ng	lcs Sa	mpType: L	cs	Tes	tCode: El	PA Method	8260B: Volat	iles Short	List		
Client ID: LCSS	B	atch ID: S	S66459	F	RunNo: 6	6459					
Prep Date:	Analys	sis Date:	2/11/2020	S	SeqNo: 2	284119	Units: mg/K	g			
Analyte	Resu	lt PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.9	9 0.02	5 1.000	0	99.0	70	130				
Toluene	0.9	7 0.05	1.000	0	97.4	70	130				
Surr: 1,2-Dichloroetha	ne-d4 0.4	5	0.5000		90.4	70	130				
Surr: 4-Bromofluorobe	nzene 0.4	7	0.5000		93.3	70	130				
Surr: Dibromofluorome	ethane 0.4	8	0.5000		95.8	70	130				

Qualifiers:

Surr: Toluene-d8

- * 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

B Analyte detected in the associated Method Blank

99.2

70

130

- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 5

	ENSOLUM Blanco Storage									
Sample ID: mb1	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D Mod:	Gasoline I	Range	
Client ID: PBS	Batcl	n ID: GS	66459	F	RunNo: 6	6459				
Prep Date:	Analysis D	Date: 2/	11/2020	S	SeqNo: 2	284342	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) ND	5.0								
Surr: BFB	480		500.0		95.8	70	130			
Sample ID: 2.5ug gro	olcs SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D Mod:	Gasoline I	Range	
Client ID: LCSS	Batcl	n ID: GS	66459	F	RunNo: 6	6459				
Prep Date:	Analysis D	Date: 2/	11/2020	S	SeqNo: 2	284343	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) 21	5.0	25.00	0	84.8	70	130			
Surr: BFB	460		500.0		92.9	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

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

2002405

14-Feb-20

WO#:

E	IALL INVIRONME INALYSIS ABORATOR		TEL:	A 505-345-39	al Analysis La 4901 Ha Ibuquerque, N 75 FAX: 505 hallenvironme	wkins NE M 87109 345-4107	Sar	nple Log-In Che	Page 364 of
Client Na	ame: ENSOL	UM AZTEC	Work O	rder Numbe	er: 2002405			RcptNo: 1	
Received	By: Andy F	Freeman	2/11/2020	8:05:00 A	м	a	ly C		
Complete	ed By: Isaiah	Ortiz	2/11/2020	8:15:49 A	м	-	LyC En C	2~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
Reviewed	ву: В		2/11/20	120					
Chain of	f Custody								
1. Is Chai	in of Custody su	ifficiently complet	e?		Yes 🗸	N	o 🗌	Not Present	
2. How wa	as the sample d	elivered?			Courier				
<u>Log In</u>									
3. Was ar	n attempt made	to cool the samp	les?		Yes 🗸	N	o 🗌	NA 🗌	
4. Were a	II samples recei	ved at a tempera	ture of >0° C to	6.0°C	Yes 🔽	N	o 🗌		
5. Sample	e(s) in proper co	ntainer(s)?			Yes 🗸	Ν	•		
6. Sufficie	nt sample volun	ne for indicated te	est(s)?		Yes 🗸	N			
7. Are sam	nples (except V	OA and ONG) pro	operly preserved?)	Yes 🔽	N			
8. Was pre	eservative adde	d to bottles?			Yes	N		NA 🗌	
9. Receive	ed at least 1 vial	with headspace	<1/4" for AQ VO	٩?	Yes	N		NA 🗹	
10. Were a	iny sample cont	ainers received b	roken?		Yes 🗌	Ν	•	# of preserved bottles checked	of 2/11/2
	aperwork match iscrepancies on	bottle labels? chain of custody))		Yes 🔽	No		for pH:	unless noted)
12. Are mat	trices correctly in	dentified on Chair	n of Custody?		Yes 🗹	No		Adjusted?	
		s were requested	?		Yes 🗹	No			
	II holding times a otify customer fo	able to be met? or authorization.)			Yes 🗹	No		Checked by:	
Special H	landling (if a	applicable)							
15. Was cli	ient notified of a	II discrepancies v	vith this order?		Yes 🗌	Ν	•	NA 🗹	
P	Person Notified:	The contract of the second sec		Date:		-	contraction that says		
В	By Whom:	[AL ADALANCE OF A COMPANY OF A COMPANY	Via:	eMail] Phone [Fax	In Person	
	Regarding: Client Instruction	s:				993-949-949-949-959-959-95 1993-999-97-999-95-95-95			
16. Additio	onal remarks:								
17. Coole	r Information								
	oler No Temp	°C Condition	Seal Intact S	eal No	Seal Date	Signed	d By		
1	1.8	Good	Yes			20011230A 4 20 T	nano e prote		
2	1.6	Good	Yes					1	

Page 1 of 1

Receive	>)CD: 8	/15/2	023	10:4	45:18	AN	<u> </u>		_													Pa	ge <u>365 o</u>	f 384
ENVIRONMENTAL	ANALYSIS LABORATOR						1	3																E.	eport.
A E	RA	7100	201				ĺ					1				1		<u></u>							nalytical r
NO	BO	www.hallenvironmental.com	505-345-4107	est	(10	i9sd/	//1u	rese	4) u	notr	otal Col	1													I on the ar
Ň	2	nenta	505-3	Analysis Request			1		1.1.1.1		92) 072		-	-	10.92								- 216		notateo
2	SIS	ironm	Fax 5	sis F						(40	260 (VC	8											- 20 C	CH & 114	clearly
	×	lle		Analy	4	S '*C)d '	NOS	_	-	भ् य , त्री, ।	-	×		-								13	110	a will be
HAL	A	WWW.hawkins NF	505-345-3975		-		00	170 1			CBA 8	-	-										6	5a	ted data
I	A	W	-345-		1	SIM					PB (Me		+	-	10.9	5							pm 4	th .	contract
		L L	505		-	s'8C					294 180	_	+		-		_		-	 -			00	AFE	ly sub-c
		490	Tel.		(0						9108:H9		X				_				-		arks:		lity. Ar
					(1	.208)	s,e	HMT	۲Ē /	artw	V X AT	8	z										Remarks:		possib
100 22	11-20	2	~						All dates in acceler	-/80	HEAL No. <	00100	100-					A standard and a				da marta an	e Time	Time 72020	erves as notice of this
100	Ish 2~	Stora		620		(Siar	it.		1.6+0.2	ve 1	3											Date	Date 2/	tories. This s
Time:	H W Rush	100	5	1996 H	ager:	(Jump	2 N 100	A Tes	(including CF):	Preservative	I ype	1200										Via:	Via:	ccredited labora
Turn-Around	□ Standard Proiect Name	Blen		051	Project Manager:	2	K	Ľ	Unice.	Cooler Temp(including CF):	Container	1 ype allu #	1501			-							Received by:	Received by:	contracted to other a
Chain-of-Custody Record	and the state of t	S Rin Coresh	6				Level 4 (Full Validation)	npliance					10-5							(in the properties on a second of the second sec		Strends a shift of the second	d by:	d by:	o Hall E
-of-Cu	Ensolum	S: la Ola	18					□ Az Compliance				×	^										Relinquished by:	Relinquished by:	samples subr
Chain	-1	Mailing Address:	Sut A	e #:	email or Fax#:	QA/QC Package:	Standard	Accreditation:		1204(1) 21	and the second	+	0000										Time:	ate: Time:	If necessary
	Client	Mailin	S	Phone #:	email	QA/Q(Accreditation				22 /	2/01/										Date:	Date:]



February 19, 2020

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OrderNo.: 2002503

Dear Kyle Summers:

RE: Blanco Storage

Hall Environmental Analysis Laboratory received 8 sample(s) on 2/13/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2002503

Date Reported: 2/19/2020

2/14/2020 7:46:27 PM 50430

CLIENT: ENSOLUM		Cl	ient Sample II	D: HI	3-12@ 0-11						
Project: Blanco Storage		(Collection Dat	e: 2/1	12/2020 8:30:00 AM						
Lab ID: 2002503-001	Matrix: SOIL		Received Date: 2/13/2020 8:04:00 AM								
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch					
EPA METHOD 300.0: ANIONS					Analyst	: JMT					
Chloride	75	60	mg/Kg	20	2/14/2020 11:55:24 AM	50458					
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	CLP					
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/14/2020 4:39:35 PM	50437					
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/14/2020 4:39:35 PM	50437					
Surr: DNOP	139	55.1-146	%Rec	1	2/14/2020 4:39:35 PM	50437					
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	: NSB					
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/14/2020 7:46:27 PM	50430					
Surr: BFB	81.5	66.6-105	%Rec	1	2/14/2020 7:46:27 PM	50430					
EPA METHOD 8021B: VOLATILES					Analyst	: NSB					
Benzene	ND	0.025	mg/Kg	1	2/14/2020 7:46:27 PM	50430					
Toluene	ND	0.050	mg/Kg	1	2/14/2020 7:46:27 PM	50430					
Ethylbenzene	ND	0.050	mg/Kg	1	2/14/2020 7:46:27 PM	50430					
Xylenes, Total	ND	0.099	mg/Kg	1	2/14/2020 7:46:27 PM	50430					

89.2

80-120

%Rec

1

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 1 of 15

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2002503

Date Reported: 2/19/2020

CLIENT: ENSOLUM	Client Sample ID: HB-12@ 14									
Project: Blanco Storage		(Collection Date	e: 2/1	12/2020 8:35:00 AM					
Lab ID: 2002503-002	Matrix: SOIL	Received Date: 2/13/2020 8:04:00 AM								
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analys	: JMT				
Chloride	ND	60	mg/Kg	20	2/14/2020 12:32:28 PM	50458				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	: CLP				
Diesel Range Organics (DRO)	ND	8.8	mg/Kg	1	2/14/2020 5:07:10 PM	50437				
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	2/14/2020 5:07:10 PM	50437				
Surr: DNOP	101	55.1-146	%Rec	1	2/14/2020 5:07:10 PM	50437				
EPA METHOD 8015D: GASOLINE RANGE	E				Analys	: NSB				
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/17/2020 12:00:08 PM	50430				
Surr: BFB	87.0	66.6-105	%Rec	1	2/17/2020 12:00:08 PM	50430				
EPA METHOD 8021B: VOLATILES					Analys	: NSB				
Benzene	ND	0.024	mg/Kg	1	2/17/2020 12:00:08 PM	50430				
Toluene	ND	0.048	mg/Kg	1	2/17/2020 12:00:08 PM	50430				
Ethylbenzene	ND	0.048	mg/Kg	1	2/17/2020 12:00:08 PM	50430				
Xylenes, Total	ND	0.097	mg/Kg	1	2/17/2020 12:00:08 PM	50430				
Surr: 4-Bromofluorobenzene	93.0	80-120	%Rec	1	2/17/2020 12:00:08 PM	50430				

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

Page 2 of 15

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2002503

Date Reported: 2/19/2020

CLIENT: ENSOLUM		Cl	ient Sample II	D: HI	3-13@ 0-11					
Project: Blanco Storage			-		12/2020 8:40:00 AM					
Lab ID: 2002503-003	Matrix: SOIL	Received Date: 2/13/2020 8:04:00 AM								
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analys	t: JMT				
Chloride	ND	60	mg/Kg	20	2/14/2020 12:44:48 PM	1 50458				
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANICS				Analys	t: CLP				
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/14/2020 5:16:20 PM	50437				
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/14/2020 5:16:20 PM	50437				
Surr: DNOP	102	55.1-146	%Rec	1	2/14/2020 5:16:20 PM	50437				
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	t: NSB				
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/14/2020 9:19:55 PM	50430				
Surr: BFB	87.2	66.6-105	%Rec	1	2/14/2020 9:19:55 PM	50430				
EPA METHOD 8021B: VOLATILES					Analys	t: NSB				
Benzene	ND	0.025	mg/Kg	1	2/14/2020 9:19:55 PM	50430				
Toluene	ND	0.050	mg/Kg	1	2/14/2020 9:19:55 PM	50430				
Ethylbenzene	ND	0.050	mg/Kg	1	2/14/2020 9:19:55 PM	50430				
Xylenes, Total	ND	0.099	mg/Kg	1	2/14/2020 9:19:55 PM	50430				
Surr: 4-Bromofluorobenzene	88.3	80-120	%Rec	1	2/14/2020 9:19:55 PM	50430				

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 3 of 15

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2002503

Date Reported: 2/19/2020

2/14/2020 9:43:21 PM 50430

CLIENT: ENSOLUM		Cl	ient Sample II	D: HI	8-13@ 11	
Project: Blanco Storage		(Collection Dat	e: 2/1	12/2020 8:45:00 AM	
Lab ID: 2002503-004	Matrix: SOIL		13/2020 8:04:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: ЈМТ
Chloride	ND	60	mg/Kg	20	2/14/2020 12:57:09 PM	50458
EPA METHOD 8015M/D: DIESEL RANGI	E ORGANICS				Analyst	CLP
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/14/2020 5:25:29 PM	50437
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/14/2020 5:25:29 PM	50437
Surr: DNOP	103	55.1-146	%Rec	1	2/14/2020 5:25:29 PM	50437
EPA METHOD 8015D: GASOLINE RANG	Ε				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/14/2020 9:43:21 PM	50430
Surr: BFB	82.3	66.6-105	%Rec	1	2/14/2020 9:43:21 PM	50430
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	2/14/2020 9:43:21 PM	50430
Toluene	ND	0.050	mg/Kg	1	2/14/2020 9:43:21 PM	50430
Ethylbenzene	ND	0.050	mg/Kg	1	2/14/2020 9:43:21 PM	50430
Xylenes, Total	ND	0.099	mg/Kg	1	2/14/2020 9:43:21 PM	50430

88.2

80-120

%Rec

1

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

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

Page 4 of 15

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2002503

Date Reported: 2/19/2020

2/14/2020 10:06:46 PM 50430

CLIENT: ENSOLUM		C	ient Sample II	D: HI	3-14@ 0-9	
Project: Blanco Storage			-		12/2020 9:30:00 AM	
Lab ID: 2002503-005	Matrix: SOIL		Received Dat	e: 2/1	13/2020 8:04:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	ND	60	mg/Kg	20	2/14/2020 1:09:30 PM	50458
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst	CLP
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/14/2020 5:34:38 PM	50437
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/14/2020 5:34:38 PM	50437
Surr: DNOP	108	55.1-146	%Rec	1	2/14/2020 5:34:38 PM	50437
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/14/2020 10:06:46 PM	50430
Surr: BFB	81.8	66.6-105	%Rec	1	2/14/2020 10:06:46 PM	50430
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	2/14/2020 10:06:46 PN	50430
Toluene	ND	0.050	mg/Kg	1	2/14/2020 10:06:46 PM	50430
Ethylbenzene	ND	0.050	mg/Kg	1	2/14/2020 10:06:46 PM	50430
Xylenes, Total	ND	0.099	mg/Kg	1	2/14/2020 10:06:46 PM	50430

89.1

80-120

%Rec

1

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

Page 5 of 15

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2002503

Date Reported: 2/19/2020

CLIENT: ENSOLUM	Client Sample ID: HB-14@ 9									
Project: Blanco Storage		(Collection Date	: 2/1	12/2020 9:35:00 AM					
Lab ID: 2002503-006	Matrix: SOIL		13/2020 8:04:00 AM							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analyst:	JMT				
Chloride	ND	60	mg/Kg	20	2/14/2020 1:46:33 PM	50458				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	CLP				
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/14/2020 5:43:45 PM	50437				
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/14/2020 5:43:45 PM	50437				
Surr: DNOP	110	55.1-146	%Rec	1	2/14/2020 5:43:45 PM	50437				
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst:	NSB				
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/14/2020 10:30:07 PM	50430				
Surr: BFB	85.0	66.6-105	%Rec	1	2/14/2020 10:30:07 PM	50430				
EPA METHOD 8021B: VOLATILES					Analyst:	NSB				
Benzene	ND	0.025	mg/Kg	1	2/14/2020 10:30:07 PM	50430				
Toluene	ND	0.050	mg/Kg	1	2/14/2020 10:30:07 PM	50430				
Ethylbenzene	ND	0.050	mg/Kg	1	2/14/2020 10:30:07 PM	50430				
Xylenes, Total	ND	0.10	mg/Kg	1	2/14/2020 10:30:07 PM	50430				
Surr: 4-Bromofluorobenzene	88.7	80-120	%Rec	1	2/14/2020 10:30:07 PM	50430				

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

Page 6 of 15

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2002503

Date Reported: 2/19/2020

CLIENT: ENSOLUM		Cl	ient S	ample II	D: HE	3-15@ 0-11		
Project: Blanco Storage	Collection Date: 2/12/2020 9:40:00 AM Matrix: SOIL Received Date: 2/13/2020 8:04:00 AM							
Lab ID: 2002503-007								
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS						Analys	t: JMT	
Chloride	ND	60		mg/Kg	20	2/14/2020 1:58:53 PM	50458	
EPA METHOD 8015M/D: DIESEL RANGE	E ORGANICS					Analys	t: CLP	
Diesel Range Organics (DRO)	130	9.2		mg/Kg	1	2/18/2020 9:43:07 AM	50473	
Motor Oil Range Organics (MRO)	60	46		mg/Kg	1	2/18/2020 9:43:07 AM	50473	
Surr: DNOP	98.4	55.1-146		%Rec	1	2/18/2020 9:43:07 AM	50473	
EPA METHOD 8015D: GASOLINE RANG	Ε					Analys	t: NSB	
Gasoline Range Organics (GRO)	320	25		mg/Kg	5	2/17/2020 1:10:12 PM	50430	
Surr: BFB	363	66.6-105	S	%Rec	5	2/17/2020 1:10:12 PM	50430	
EPA METHOD 8021B: VOLATILES						Analys	t: NSB	
Benzene	ND	0.12		mg/Kg	5	2/17/2020 1:10:12 PM	50430	
Toluene	ND	0.25		mg/Kg	5	2/17/2020 1:10:12 PM	50430	
Ethylbenzene	1.1	0.25		mg/Kg	5	2/17/2020 1:10:12 PM	50430	
Xylenes, Total	7.8	0.50		mg/Kg	5	2/17/2020 1:10:12 PM	50430	
Surr: 4-Bromofluorobenzene	108	80-120		%Rec	5	2/17/2020 1:10:12 PM	50430	

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

Page 7 of 15

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2002503

Date Reported: 2/19/2020

CLIENT: ENSOLUM		Cl	ient S	ample II	D: HE	3-15@ 11	<u> </u>	
Project: Blanco Storage	Collection Date: 2/12/2020 9:45:00 AM Matrix: SOIL Received Date: 2/13/2020 8:04:00 AM							
Lab ID: 2002503-008								
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS						Analys	t: JMT	
Chloride	ND	60		mg/Kg	20	2/14/2020 2:11:13 PM	50458	
EPA METHOD 8015M/D: DIESEL RANG	SE ORGANICS					Analys	t: CLP	
Diesel Range Organics (DRO)	230	9.6		mg/Kg	1	2/18/2020 9:52:10 AM	50473	
Motor Oil Range Organics (MRO)	100	48		mg/Kg	1	2/18/2020 9:52:10 AM	50473	
Surr: DNOP	108	55.1-146		%Rec	1	2/18/2020 9:52:10 AM	50473	
EPA METHOD 8015D: GASOLINE RAN	GE					Analys	t: NSB	
Gasoline Range Organics (GRO)	110	50		mg/Kg	10	2/14/2020 11:16:54 PM	1 50430	
Surr: BFB	107	66.6-105	S	%Rec	10	2/14/2020 11:16:54 PM	1 50430	
EPA METHOD 8021B: VOLATILES						Analys	t: NSB	
Benzene	0.26	0.25		mg/Kg	10	2/14/2020 11:16:54 PM	1 50430	
Toluene	0.60	0.50		mg/Kg	10	2/14/2020 11:16:54 PM	1 50430	
Ethylbenzene	0.54	0.50		mg/Kg	10	2/14/2020 11:16:54 PM	1 50430	
Xylenes, Total	4.1	0.99		mg/Kg	10	2/14/2020 11:16:54 PM	1 50430	
Surr: 4-Bromofluorobenzene	92.0	80-120		%Rec	10	2/14/2020 11:16:54 PM	1 50430	

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

Page 8 of 15

Client:	ENSC	DLUM									
Project:	Blanc	o Storage									
Sample ID:	MB-50458	SampT	ype: ml	olk	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch	ID: 50	458	F	RunNo: 66	6563				
Prep Date:	2/14/2020	Analysis Da	ate: 2/	14/2020	5	SeqNo: 22	288253	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-50458	SampT	ype: Ics	5	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	ID: 50	458	F	RunNo: 66	6563				
Prep Date:	2/14/2020	Analysis Da	ate: 2/	14/2020	5	SeqNo: 22	288254	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	92.9	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 9 of 15

2002503

19-Feb-20

WO#:

Released to Imaging: 1/30/2024 3:00:11 PM

ENSOLUM

Blanco Storage

Client:

Project:

Sample ID: MB-50437

Prep Date: 2/13/2020

Client ID: PBS

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

SampType: MBLK

Batch ID: 50437

Analysis Date: 2/14/2020

•	,				•		5	5		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
iesel Range Organics (DRO)	ND	10								
Iotor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	16		10.00		163	55.1	146			S
Sample ID: LCS-50437	Samp	Type: LC	S	Tes	stCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batc	h ID: 50	437	I	RunNo: 6	6547				
Prep Date: 2/13/2020	Analysis I	Date: 2/	14/2020	:	SeqNo: 2	288191	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	66	10	50.00	0	132	70	130			S
Surr: DNOP	6.2		5.000		124	55.1	146			
Sample ID: 2002503-001AMS	Samp ⁻	Type: MS	6	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: HB-12@ 0-11	Batc	h ID: 50	437	I	RunNo: 6	6547				
Prep Date: 2/13/2020	Analysis I	Date: 2/	14/2020	:	SeqNo: 2	288192	Units: mg/ #	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	9.7	48.73	4.606	87.0	47.4	136			
Surr: DNOP	4.2		4.873		86.3	55.1	146			
Sample ID: 2002503-001AMS	SD Samp	Туре: М	SD	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: HB-12@ 0-11	Batc	h ID: 50	437	I	RunNo: 6	6547				
Prep Date: 2/13/2020	Analysis I	Date: 2/	14/2020	:	SeqNo: 2	288193	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	9.4	46.86	4.606	86.7	47.4	136	3.89	43.4	
Surr: DNOP	4.0		4.686		85.4	55.1	146	0	0	
Sample ID: MB-50473	Samp	Туре: М	BLK	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batc	h ID: 50	473	I	RunNo: 6	6605				
Prep Date: 2/17/2020	Analysis I	Date: 2/	18/2020	:	SeqNo: 2	288974	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Notor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		107	55.1	146			
Qualifiers:										
 Value exceeds Maximum Contamir 	ant Level.			B Analyte de	etected in the	associated Method	Blank			

- 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

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

Page 10 of 15

2002503

19-Feb-20

WO#:

TestCode: EPA Method 8015M/D: Diesel Range Organics

Units: mg/Kg

RunNo: 66547

SeqNo: 2288190

Page	377	of 384	
------	-----	--------	--

QC SUI	WO#:	2002503	
Hall Env		19-Feb-20	
Client:	ENSOLUM		

Project: Blanco	Storage	
Sample ID: LCS-50473	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 50473	RunNo: 66605
Prep Date: 2/17/2020	Analysis Date: 2/18/2020	SeqNo: 2288987 Units: mg/Kg
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	60 10 50.0	0 0 120 70 130
Surr: DNOP	5.3 5.00	0 107 55.1 146
Sample ID: MB-50496	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 50496	RunNo: 66605
Prep Date: 2/18/2020	Analysis Date: 2/18/2020	SeqNo: 2289090 Units: %Rec
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	8.9 10.0	0 88.8 55.1 146
Sample ID: LCS-50496	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 50496	RunNo: 66605
Prep Date: 2/18/2020	Analysis Date: 2/18/2020	SeqNo: 2289092 Units: %Rec
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	4.2 5.00	0 84.7 55.1 146

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 11 of 15

.

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

PORI	WO#:	2002503
nalysis Laboratory, Inc.		19-Feb-20

Client: EN	SOLUM		
Project: Bla	nco Storage		
Sample ID: MB-50443	SampType: MBLK	TestCode: EPA Method 8015D: Gasoli	ne Range
Client ID: PBS	Batch ID: 50443	RunNo: 66571	no nungo
Prep Date: 2/13/2020	Analysis Date: 2/14/2020	SeqNo: 2287764 Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit	%RPD RPDLimit Qual
Surr: BFB	780 1000	78.3 66.6 105	
Sample ID: LCS-50443	SampType: LCS	TestCode: EPA Method 8015D: Gasoli	ne Range
Client ID: LCSS	Batch ID: 50443	RunNo: 66571	
Prep Date: 2/13/2020	Analysis Date: 2/14/2020	SeqNo: 2287765 Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit	%RPD RPDLimit Qual
Surr: BFB	890 1000	88.9 66.6 105	
Sample ID: mb-50430	SampType: MBLK	TestCode: EPA Method 8015D: Gasoli	ne Range
Client ID: PBS	Batch ID: 50430	RunNo: 66571	-
Prep Date: 2/13/2020	Analysis Date: 2/14/2020	SeqNo: 2287845 Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit	%RPD RPDLimit Qual
Gasoline Range Organics (GR	0) ND 5.0		
Surr: BFB	810 1000	80.6 66.6 105	
Sample ID: Ics-50430	SampType: LCS	TestCode: EPA Method 8015D: Gasoli	ne Range
Client ID: LCSS	Batch ID: 50430	RunNo: 66571	
Prep Date: 2/13/2020	Analysis Date: 2/14/2020	SeqNo: 2287846 Units: mg/Kg	
Analyte		SPK Ref Val %REC LowLimit HighLimit	%RPD RPDLimit Qual
Gasoline Range Organics (GR		0 88.4 80 120	
Surr: BFB	920 1000	92.0 66.6 105	
Sample ID: mb-50435	SampType: MBLK	TestCode: EPA Method 8015D: Gasoli	ne Range
Client ID: PBS	Batch ID: 50435	RunNo: 66571	
Prep Date: 2/13/2020	Analysis Date: 2/15/2020	SeqNo: 2287867 Units: %Rec	
Analyte		SPK Ref Val %REC LowLimit HighLimit	%RPD RPDLimit Qual
Surr: BFB	790 1000	78.7 66.6 105	
		TestCode: EPA Method 8015D: Gasoli	ne Bange
Sample ID: Ics-50435	SampType: LCS	restored. El A method burbb. Cuson	ne range
Sample ID: Ics-50435 Client ID: LCSS	SampType: LCS Batch ID: 50435	RunNo: 66571	
Client ID: LCSS	Batch ID: 50435 Analysis Date: 2/15/2020	RunNo: 66571	%RPD RPDLimit Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

ENSOLUM

Client:

	WO#:	2002503
all Environmental Analysis Laboratory, Inc.		19-Feb-20
		-

orage									
SampT	ype: M \$	3	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Batch	ID: 50	430	F	RunNo: 6	6590				
Analysis D	ate: 2/	17/2020	S	SeqNo: 2	288643	Units: mg/k	٢g		
Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
21	5.0	24.95	0	85.2	69.1	142			
950		998.0		95.5	66.6	105			
SampT	ype: M \$	SD	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Batch	ID: 50	430	F	RunNo: 6	6590				
Analysis D	ate: 2/	17/2020	S	SeqNo: 2	288644	Units: mg/k	٢g		
Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
21	4.9	24.63	0	87.1	69.1	142	0.893	20	
	Batch Analysis D Result 21 950 SampT Batch Analysis D	SampType: MS Batch ID: 504 Analysis Date: 2/ Result PQL 21 5.0 950 SampType: MS Batch ID: 504 Analysis Date: 2/	SampType: MS Batch ID: 50430 Analysis Date: 2/17/2020 Result PQL SPK value 21 5.0 24.95 950 998.0 SampType: MSD Batch ID: 50430 Analysis Date: 2/17/2020	SampType: MS Tes Batch ID: 50430 F Analysis Date: 2/17/2020 S Result PQL SPK value SPK Ref Val 21 5.0 24.95 0 950 998.0 9 5 SampType: MSD Tes Batch ID: 50430 F Analysis Date: 2/17/2020 S	SampType: MS TestCode: EI Batch ID: 50430 RunNo: 6 Analysis Date: 2/17/2020 SeqNo: 2 Result PQL SPK value SPK Ref Val %REC 21 5.0 24.95 0 85.2 950 998.0 95.5 SampType: MSD TestCode: EI Batch ID: 50430 RunNo: 6 Analysis Date: 2/17/2020 SeqNo: 2	SampType: MS TestCode: EPA Method Batch ID: 50430 RunNo: 66590 Analysis Date: 2/17/2020 SeqNo: 2288643 Result PQL SPK value SPK Ref Val %REC LowLimit 21 5.0 24.95 0 85.2 69.1 950 998.0 95.5 66.6 SampType: MSD TestCode: EPA Method Batch ID: 50430 RunNo: 66590 Analysis Date: 2/17/2020 SeqNo: 2288644	SampType: MS TestCode: EPA Method 8015D: Gaso Batch ID: 50430 RunNo: 66590 Analysis Date: 2/17/2020 SeqNo: 2288643 Units: mg/M Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit 21 5.0 24.95 0 85.2 69.1 142 950 998.0 95.5 66.6 105 SampType: MSD TestCode: EPA Method 8015D: Gaso Batch ID: 50430 RunNo: 66590 Analysis Date: 2/17/2020 SeqNo: 2288644 Units: mg/M	SampType: MS TestCode: EPA Method 8015D: Gasoline Rang Batch ID: 50430 RunNo: 66590 Analysis Date: 2/17/2020 SeqNo: 2288643 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD 21 5.0 24.95 0 85.2 69.1 142 950 998.0 95.5 66.6 105 105 SampType: MSD TestCode: EPA Method 8015D: Gasoline Rang Batch ID: 50430 RunNo: 66590 Analysis Date: 2/17/2020 SeqNo: 2288644 Units: mg/Kg	C SampType: MS TestCode: EPA Method 8015D: Gasoline Range Batch ID: 50430 RunNo: 66590 Analysis Date: 2/17/2020 SeqNo: 2288643 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit 21 5.0 24.95 0 85.2 69.1 142 950 998.0 995.5 66.6 105 <t< td=""></t<>

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 13 of 15

.

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc

	WO#:	2002503
boratory, Inc.		19-Feb-20

Client: ENSOLU	JM									
Project: Blanco S	torage									
Sample ID: MB-50443	SampTy	pe: ME	BLK	Tes	Code: EF	PA Method	8021B: Volati	iles		
Client ID: PBS	Batch ID: 50443			R	RunNo: 66571					
Prep Date: 2/13/2020	Analysis Da	ate: 2/	14/2020	S	eqNo: 22	287894	Units: %Rec	:		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.87		1.000		87.2	80	120			
Sample ID: LCS-50443	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 50443			RunNo: 66571						
Prep Date: 2/13/2020	Analysis Da	ate: 2/	14/2020	S	eqNo: 22	287895	Units: %Rec	;		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.89		1.000		89.2	80	120			
Sample ID: mb-50430	SampType: MBLK TestCode: EPA Method 8021B: Volatiles									
Client ID: PBS	Batch	ID: 504	430	R	RunNo: 66571					
Prep Date: 2/13/2020	Analysis Date: 2/14/2020			SeqNo: 2287905 Units: mg/Kg				g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene Xylenes, Total	ND ND	0.050								
Surr: 4-Bromofluorobenzene	0.90	0.10	1.000		89.5	80	120			
Sample ID: LCS-50430 SampType: LCS TestCode: EPA Method 8021B: Volatiles										
Client ID: LCSS		ID: 50		RunNo: 66571						
Prep Date: 2/13/2020	Analysis Da			SeqNo: 2287929			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.025	1.000	0	87.4	80	120			
Toluene	0.90	0.050	1.000	0	89.7	80	120			
Ethylbenzene	0.92	0.050	1.000	0	91.8	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.7	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		93.7	80	120			
Sample ID: 2002503-001ams	SampType: MS TestCode: EPA Method				8021B: Volati	iles				
Client ID: HB-12@ 0-11	Batch ID: 50430			RunNo: 66571						
Prep Date: 2/13/2020	Analysis Da	ate: 2/	14/2020	SeqNo: 2287931			Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0.01687	92.3	78.5	119			
Toluene	0.99	0.050	1.000	0.01429	97.2	75.7	123			
Ethylbenzene	1.0	0.050	1.000	0	102	74.3	126			
Xylenes, Total	3.1	0.10	3.000	0	103	72.9	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

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

ENSOLUM

Blanco Storage

Client:

Project:

Sample ID: 2002503-001ams

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

SampType: MS

Client ID: HB-12@ 0-11	Batch	n ID: 50 4	430	R	unNo: 66	6571				
Prep Date: 2/13/2020	Analysis D	ate: 2/	14/2020	S	eqNo: 22	287931	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.92		1.000		92.1	80	120			
Sample ID: 2002503-001amsd	I SampT	ype: M	SD	Test	Code: EF	PA Method	8021B: Volat	iles		
Client ID: HB-12@ 0-11	Batch ID: 50430 RunNo: 66571			6571						
Prep Date: 2/13/2020	Analysis D	ate: 2/	14/2020	S	eqNo: 22	287932	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.024	0.9766	0.01687	98.1	78.5	119	3.66	20	
Toluene	1.0	0.049	0.9766	0.01429	103	75.7	123	3.70	20	
Ethylbenzene	1.1	0.049	0.9766	0	108	74.3	126	3.31	20	
Xylenes, Total	3.2	0.098	2.930	0	110	72.9	130	3.78	20	
Surr: 4-Bromofluorobenzene	0.90		0.9766		92.3	80	120	0	0	
Sample ID: mb-50435	SampT	ype: ME	BLK	Test	Code: EF	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch	n ID: 50	435	R	unNo: 66	6590				
Dran Data: 0/40/0000										
Prep Date: 2/13/2020	Analysis D	ate: 2/	17/2020	S	eqNo: 22	288662	Units: %Red	•		
Analyte	Analysis D Result	ate: 2/ PQL		S SPK Ref Val	eqNo: 22 %REC	288662 LowLimit	Units: %Red HighLimit	%RPD	RPDLimit	Qual
					·				RPDLimit	Qual
Analyte	Result 0.94		SPK value 1.000	SPK Ref Val	%REC 93.8	LowLimit 80	HighLimit	%RPD	RPDLimit	Qual
Analyte Surr: 4-Bromofluorobenzene	Result 0.94 SampT	PQL	SPK value 1.000	SPK Ref Val	%REC 93.8	LowLimit 80 PA Method	HighLimit 120	%RPD	RPDLimit	Qual
Analyte Surr: 4-Bromofluorobenzene Sample ID: Ics-50435	Result 0.94 SampT	PQL Type: LC n ID: 50	SPK value 1.000 S 435	SPK Ref Val Test	%REC 93.8	LowLimit 80 PA Method 5590	HighLimit 120	%RPD	RPDLimit	Qual
Analyte Surr: 4-Bromofluorobenzene Sample ID: Ics-50435 Client ID: LCSS	Result 0.94 SampT Batch	PQL Type: LC n ID: 50	SPK value 1.000 SS 435 17/2020	SPK Ref Val Test	%REC 93.8 Code: EF	LowLimit 80 PA Method 5590	HighLimit 120 8021B: Volat	%RPD	RPDLimit	Qual

TestCode: EPA Method 8021B: Volatiles

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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

Page 15 of 15

WO#: 2002503

HALL ENVIRONMENTAL ANALYSIS LABORATORY	A TEL: 505-345-39	tal Analysis Labor 4901 Hawkii Ilbuquerque, NM 8 075 FAX: 505-345 hallenvironmenta	ns NE 17109 San 14107	npie Log-In Ch	eck Lis
Client Name: ENSOLUM AZTEC	Work Order Numb	per: 2002503		RcptNo:	1
Received By: Leah Baca	2/13/2020 8:04:00 A	M	Lad Bac I-C	i,	
Completed By: Isaiah Ortiz	2/13/2020 8:22:57 A	M	I_C	4	
Reviewed By: JR 2/13/20)		·		
Chain of Custody					
1. Is Chain of Custody sufficiently complete	e?	Yes 🗹	No 🗌	Not Present	
2. How was the sample delivered?		<u>Courier</u>			
<u>Log In</u>					
3. Was an attempt made to cool the sampl	es?	Yes 🗹	No 🗌	NA 🗌	
4. Were all samples received at a temperat	ure 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 te	st(s)?	Yes 🗹	No 🗌		
7. Are samples (except VOA and ONG) pro	perly 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 br	roken?	Yes	No 🗹	# of preserved	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🗌	for pH:	12 unless not
12. Are matrices correctly identified on Chair		Yes 🗹	No 🗆	Adjusted?	
13, is it clear what analyses were requested?	?	Yes 🔽	No 🗌	1.	0 1
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No 🗌	Checked by:	6213
Special Handling (if applicable)					
15. Was client notified of all discrepancies w	vith this order?	Yes 🗋	No 🗌	NA 🗹	
Person Notified:	Date				
By Whom:	Via:	eMail [] F	hone Fax	in Person	
Regarding:					
Client Instructions:		•			
16. Additional remarks:					
Sample 005 and 006 were dropped	d and the containers broke	however the sa	mples was conf	ained and tranfered into	two 4oz

	All a second
1 0.2 Good Yes	

Page 1 of 1

)

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

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

District III

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

District IV

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

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

CONDITIONS

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	252206
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	1/30/2024

Released to Imaging: 1/30/2024 3:00:11 PM

Page 384 of 384

Action 252206

CONDITIONS

.