Received by OCD: 8/10/2020 9:33:34 AM

1625 N. French Dr., Hobbs, NM 88240District II811 S. First St., Artesia, NM 88210District III1000 Rio Brazos Road, Aztec, NM 87410District IV1220 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 Page 1 of 187

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): NCS1911539620
Contact mailing address: 614 Reilly Ave, Farmington, NM 87401	n

Location of Release Source

Latitude <u>36.853298</u>	Longitude _107.690996	(NAD 83 in decimal degrees to 5 decimal places)
Site Name Sandstone Compressor Station	n Site Type Natur	ral Compressor Station
Date Release Discovered: 4/2/2019	Serial Number (f applicable): N/A

Unit Letter	Section	Township	Range	County	
Ι	32	31N	8W	San Juan	

Surface Owner: 🛛 State 🗌 Federal 🔲 Tribal 🗌 Private (Name: Nick Jaramillo

Nature and Volume of Release

Materia	l(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):	Volume Recovered (bbls):
🗌 Natural Gas	Volume Released (Mcf):	Volume Recovered (Mcf):
Other (describe)	Volume/Weight Released (provide units): 3-5 Barrels of Glycol/Water Mix/Lube Oil	Volume/Weight Recovered (provide units)
Station. Enterprise began The final excavation dime of hydrocarbon impacted New Mexico Oil Conserv presence of permanent st drilling rig. No subsurface	removing the impacted soil utilizing hand tools. On Ap nsions measured approximately 85 feet long by 28 feet w soil were excavated and 130 barrels of hydrocarbon in ration Division approved land farm facility. Additional r ructures. During August 2019, a limited site assessme contamination was identified from the limited site assessme	ning from the compressor skid at Sandstone Compressor ril 24, 2019, Enterprise completed the initial remediation. wide and six (6) feet deep. Approximately 100 cubic yards npacted soil were hydro-excavated and transported to a remediation by excavating was not possible due to the ent was performed utilizing a hollow stem auger/air coring sessment activities. Enterprise requests a deferment of sure/ limited site assessment report is included with this

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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
Did this release impact groundwater or surface water?	bgs)
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant	🗌 Yes 🛛 No
watercourse?	🛛 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	🗌 Yes 🛛 No
water well field?	🗌 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
	🗌 Yes 🛛 No
Did the release impact areas not on an exploration, development, production, or storage site?	□ 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

 \square Depth to water determination

Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release

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 and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Tained by ACD. 8/10/2	020 9:33:34 AMState of New Mexico	0		Page 3 of 18
*			Incident ID	Puge 5 0j 1
Page 3	Oil Conservation Divis	sion	District RP	
			Facility ID	
			Application ID	
regulations all operators public health or the envir failed to adequately inve addition, OCD acceptance and/or regulations.	nformation given above is true and complete the are required to report and/or file certain release ronment. The acceptance of a C-141 report by stigate and remediate contamination that pose be of a C-141 report does not relieve the operation of a C-141 report does not relieve the operation. Fields	the notifications and per the OCD does not rel a threat to groundwate tor of responsibility fo	form corrective actions for releases v ieve the operator of liability should ti er, surface water, human health or the r compliance with any other federal, ctor, Field Environmental	which may endanger heir operations have
OCD Only Received by:		Date:		

Received by OCD: 8/10/2020 9:33:34 AM State of New Mexico Page 4 Oil Conservation Division

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Application ID	

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

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)

Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.

Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

Extents of contamination must be fully delineated.

Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Jon E. Fields	Title: _Director, Field Environmental
Signature:/m 9. found	Date: <u>8/7/7020</u>
email: jefields@eprod.com	Telephone: 713-381-6684
OCD Only	
Received by:	Date:
Approved Approved with Attached Conditions of	Approval Denied Deferral Approved
Signature: Nelson Velez	Date: 03/25/2022



LIMITED ENVIRONMENTAL SITE INVESTIGATION REPORT AND REMEDIATION PLAN

Property:

Sandstone Compressor Station SE ¼, S32 T31N R8W San Juan County, New Mexico

November 27, 2019 Updated May 19, 2020 Ensolum Project No. 05A1226053

Prepared for:

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

Prepared by:

recties

Ranee Deechilly Environmental Scientist

Chad D'Aponti Field Environmental Scientist

Umm

Kyle Summers, CPG Sr. Project Manager

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LIMITED ENVIRONMENTAL SITE INVESTIGATION REPORT AND REMEDIATION PLAN

Sandstone Compressor Station SE ¼, S32 T31N R8W San Juan County, New Mexico

Ensolum Project No. 05A1226053

1.0 INTRODUCTION

1.1 Site Description & Background

Operator:	Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)
Site Name:	Sandstone Compressor Station (Site)
Location:	36.853298° North, 107.690996° West Southeast (SE) ¼ of Section 32, Township 31 North, Range 8 West San Juan County, New Mexico
Property:	New Mexico State Land Office (SLO)
Regulatory:	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

During April 2019, a release of hydrocarbon liquids potentially containing glycol, water, and/or lubricating oil occurred from a valve located on a compressor at the Sandstone Compressor Station. On April 4, 2019, Enterprise initiated activities to remediate and evaluate the petroleum hydrocarbon impact resulting from the release.

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

1.2 **Project Objective**

The initial objective of the remediation activities was to reduce constituent of concern (COC) concentrations in the on-Site soils to below the applicable New Mexico EMNRD OCD closure criteria. After determining that further excavation would risk the integrity of the compressor pad and associated appurtenances, the remediation activities were halted. The primary objective of the limited environmental site investigation (LESI) was to assess and characterize the release Site.

2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. In order to address activities related to 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 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 documentation and figures 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). No water wells were identified within a 0.5 mile radius of the Site in the OSE WRRS database (Figure A, Appendix B). Three (3) PODs (SJ 00012, SJ 00198, and SJ 04261 POD1 to POD8) were identified in the OSE database or using the OSE online map search between 0.5 and two (2) miles of the Site. Records for water well SJ 00198, located approximately 0.75 miles southwest of the Site and at a lower elevation (6,035 feet) than the Site (6,354 feet) do not indicate a depth to water. Records for water well SJ 00012, located approximately 1.75 miles northwest of the Site and at a higher elevation (6,548 feet) than the Site, indicate a depth to water of approximately 475 feet below grade surface (bgs). A monitoring well network (SJ 04261) associated with the Pritchard #2A oil/gas production well location, which is located approximately 1.6 miles southwest of the Site and at a lower elevation (5,960 feet) than the Site, includes eight (8) permitted groundwater monitoring wells with average depths to water of approximately 80 feet bgs (according to New Mexico EMNRD OCD records (2016 Annual Groundwater Report, LT Environmental, Inc. (LTE), April, 2017)).
- The record for the nearest cathodic protection well (State Com AL #36F (Sec 32 T31N R8W)), located approximately 500 feet west of the Site, indicates a depth to water of approximately 100 feet bgs (Figure B, Appendix B).
- The Site is located within 300 feet of a New Mexico EMNRD OCD-defined continuously flowing watercourse or significant watercourse. An ephemeral wash that is not identified as a "blue line" but is identified as a first order tributary by the New Mexico EMNRD OCD is located approximately 240 feet southeast of the release area (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 of a permanent residence, school, hospital, institution or church (**Figure D**, **Appendix B**).
- No springs, or private domestic fresh water wells used by less than five (5) households for domestic or stock watering purposes were identified within 500 feet of the Site (**Figure E**, **Appendix B**).
- No fresh water wells or springs were identified within 1,000 feet of the Site (Figure E, Appendix B).
- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3.
- 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 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.
- 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 Petroleum Hydrocarbon Impacted Soils							
Constituent	Method	Limit					
Chloride	EPA 300.0 or SM4500 CI B	600 mg/kg					
TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015	100 mg/kg					
BTEX	EPA SW-846 Method 8021 or 8260	50 mg/kg					
Benzene	EPA SW-846 Method 8021 or 8260	10 mg/kg					

3.0 SOIL EXCAVATION ACTIVITIES

On April 4, 2019 Enterprise initiated activities to remediate petroleum hydrocarbon impact resulting from the release. During the remediation activities Sierra Oilfield Services, Inc. (Sierra) provided heavy equipment and labor support, while Ensolum provided environmental consulting support.

Due to the extensive presence of subgrade piping and electrical conduit, the excavation was advanced utilizing a hydro-excavator and hand implements. The final excavation measured approximately 85 feet long and 28 feet wide at the maximum extents. The maximum depth of the excavation measured approximately six (6) feet bgs.

The lithology encountered during the excavation activities consisted primarily of a 6-inch thick gravel driving surface underlain by unconsolidated and semi-consolidated silty sand.

Although the New Mexico EMNRD OCD provided regulatory oversight for the release, the affected soils from the excavation were treated as non-exempt waste due to the anticipated presence of lubricating oil associated with the compressor. The waste characterization sample (CS-1) data is provided in **Table 1A** of **Appendix E**. Approximately 100 cubic yards (yd³) of petroleum hydrocarbon affected soils and 130 barrels (bbls) of hydro-excavation soil cuttings and water related to the excavation were transported to the Envirotech, Inc. (Envirotech) landfarm near Hilltop, New Mexico for disposal/remediation. The executed C-138 solid waste acceptance form associated with the excavation is provided in **Appendix C**. The excavation was backfilled with imported fill and was then contoured to surrounding grade.

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

3.1 Soil Sampling Program

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

Prior to the initiation of excavation activities, Ensolum collected one (1) composite soil sample (CS-1) for the purpose of waste characterization. This sample was comprised of five (5) aliquots collected from the central portion of the release area.

Ensolum's soil sampling program for the excavation included the collection of one (1) grab sample (S-1), and 14 composite soil samples (S-2 through S-15), comprised of five (5) aliquots each, from the excavation for laboratory analyses. A clean shovel was utilized to obtain fresh aliquots from each accessible area of the excavation. The New Mexico EMNRD OCD provided verbal approval to proceed with the sampling events. A New Mexico EMNRD OCD representative was not on-Site during the sampling events.



First Sampling Event

On April 2, 2019, prior to the initiation of hydro-excavation activities, one (1) waste characterization composite soil sample (CS-1) was collected from the impacted soils in the release area.

Second Sampling Event

On April 4, 2019, one (1) grab sample (S-1 (5')) was collected from the bottom of an approximately five (5) foot deep pothole created by the hydro-excavator immediately southwest of the compressor skid. Analytical results for sample S-1 indicated a New Mexico EMNRD OCD closure criteria exceedance for TPH. In response to the data exceedances, the excavation was enlarged to remove additional petroleum hydrocarbon impact. Soils associated with grab sample S-1 were removed and transported to the landfarm for disposal/remediation during subsequent hydro-excavation activities.

Third Sampling Event

On April 22, 2019, after the excavation was enlarged utilizing hydro-excavation and hand-tools, a second sampling event was performed. Composite soil samples S-2 (1'-1.5'), S-3 (0.5'), S-4 (0-6.5'), S-5 (0'-6.5'), S-6 (0'-6.5'), S-7 (6.5'), S-8 (0'-2'), S-9 (0'-2'), and S-10 (0'-2') were collected from the floor and sidewalls of the enlarged excavation. Analytical results from composite soil samples S-2, S-3, S-4, S-7, S-8, S-9, and S-10 from the excavation indicated New Mexico EMNRD OCD closure criteria exceedances for TPH. Due to safety concerns associated with the depth of the excavation adjacent to the compressor skid and concerns with regard to the structural support of the equipment and piping, further excavation immediately adjacent to the compressor skid was suspended, and potentially unstable areas were backfilled with consent from the New Mexico EMNRD OCD, on the condition that additional delineation would be performed to allow more comprehensive characterization. Excavation activities subsequently continued in less stability-threatened areas of the release. Soils associated with composite soil samples S-2 and S-3 were subsequently removed by hydro-excavation and transported to the landfarm for disposal/remediation.

Fourth Sampling Event

On April 24, 2019, subsequent to additional excavation activities, composite soil samples S-11 (0'-2'), S-12 (0'-2'), S-13 (0'-2'), S-14 (0'-2'), and S-15 (0'-1') were collected from the floor and sidewalls of the deepened and extended excavation.

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

3.2 Soil Laboratory Analytical Methods

The grab and composite soil samples were analyzed for benzene, toluene, ethylbenzene and total xylenes (BTEX) using Environmental Protection Agency (EPA) SW-846 Method #8021/8260, total petroleum hydrocarbon (TPH) gasoline range organics (GRO), diesel range organics (DRO), and motor oil/lube oil range organics (MRO) using EPA SW-846 Method #8015, and chlorides using EPA Method #300.0. The waste characterization sample was also analyzed for Resource Conservation and Recovery Act metals (RCRA-8).

The laboratory analytical results for the waste characterization and excavation samples are summarized in **Table 1A** and **Table 2** in **Appendix E**. The executed chain-of-custody forms and laboratory data sheets are provided in **Appendix G**.



3.3 Data Evaluation

3.3.1 Waste Characterization Sample

Ensolum compared the benzene and RCRA 8 metals analytical results or laboratory practical quantitation limits (PQLs)/reporting limits (RLs) associated with composite soil sample CS-1 (waste characterization sample) to the applicable New Mexico EMNRD OCD closure criteria and the Toxicity Characteristic Leaching Procedure (TCLP) regulatory limits.

Benzene, BTEX, and TPH – New Mexico EMNRD OCD Closure Criteria

- The laboratory analytical results for the waste characterization soil sample (CS-1) indicate benzene is not present in concentrations greater than the laboratory PQLs/RLs.
- The laboratory analytical results for the waste characterization soil sample (CS-1) indicate total BTEX is not present in concentrations greater than the laboratory PQLs/RLs.
- The laboratory analytical results for the waste characterization soil sample (CS-1) indicate a combined TPH GRO/DRO/MRO concentration of 26,100 milligrams per kilogram (mg/kg).

Benzene and RCRA 8 Metals – Toxicity

Although the waste characterization soil sample (CS-1) was not analyzed utilizing the TCLP protocol, the total concentration data can still be utilized to determine if there is a potential for a TCLP permissible level exceedance. For 100% physically solid wastes, the maximum leachate concentration is 1/20 of the total concentration in the waste (based on the extraction method for a TCLP analysis). Therefore, if this value (total concentration divided by 20) is less than the regulatory TCLP threshold, a TCLP analysis should not be necessary¹ (this is often referred to as the "Rule of 20"). Sample CS-1 did not exceed the Rule of 20 for any of the RCRA COCs. The Rule of 20 projected equivalents are provided in **Table 1B (Appendix E**).

3.3.2 Excavation Samples

Ensolum compared the BTEX, TPH, and chloride laboratory analytical results or laboratory PQLs/RLs associated with the composite soil samples (S-4 through S-15) associated with soils remaining in place at the excavation to the applicable New Mexico EMNRD OCD closure criteria. Soils associated with soil samples S-1, S-2, and S-3 were removed from the Site by hydro-excavation and transported to the landfarm for disposal/remediation and are not included in the following discussion.

- The laboratory analytical results for the composite soil samples collected from soils remaining in place indicate benzene is not present in concentrations greater than the laboratory PQLs/RLs, which are less than the New Mexico EMNRD OCD closure criteria of 10 mg/kg.
- The laboratory analytical results for the composite soil samples collected from soils remaining in place indicate total BTEX is not present in concentrations greater than the laboratory PQLs/RLs, which are less than the New Mexico EMNRD OCD closure criteria of 50 mg/kg.
- The laboratory analytical results for composite soil samples S-4 and S-7 through S-10 collected from soils remaining in place indicate combined TPH GRO/DRO/MRO concentrations ranging from 10,490 mg/kg (S-8) to 23,200 mg/kg (S-4), which exceed the New Mexico EMNRD OCD closure criteria of 100 mg/kg. The laboratory analytical results for composite soil sample S-5 collected from soils remaining in place indicates a combined TPH GRO/DRO/MRO concentration of 59 mg/kg,

¹ Federal Register – [60 FR 66389, December 21, 1995]



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which does not exceed the New Mexico EMNRD OCD closure criteria of 100 mg/kg. The laboratory analytical results for the remaining composite soil samples collected from soils remaining in place indicate combined TPH GRO/DRO/MRO is not present in concentrations greater than the laboratory PQLs/RLs, which are less than the New Mexico EMNRD OCD closure criteria of 100 mg/kg.

• The laboratory analytical results for the composite soil samples collected from soils remaining in place at the excavation indicate chloride is not present in concentrations greater than laboratory PQLs/RLs, which are less than the New Mexico EMNRD OCD closure criteria of 600 mg/kg for chlorides.

The laboratory analytical results are summarized in Table 2 (Appendix E).

3.4 Remediation

The excavation was backfilled with imported fill and resurfaced with gravel to provide a suitable driving surface. Based on the information provided herein, Enterprise requests the deferment of final remediation and reclamation until after the facility is decommissioned, to avoid damaging existing structures/appurtenances at the facility. At that time, Enterprise will perform final remediation and reclamation of the Site.

4.0 SOIL BORING PROGRAM

Prior to soil boring activities, each location was "daylighted" to approximately nine (9) feet bgs, utilizing a hydro-excavator. Approximately 25 bbls of unaffected (based on laboratory analytical results from the soil borings) hydro-excavation soil cuttings and water related to the soil borings were transported to the Industrial Ecosystems, Inc. (IEI) landfarm on Crouch Mesa near Aztec, New Mexico for disposal/remediation. The executed C-138 solid waste acceptance form for the hydro-excavation activities associated with the soil borings is provided in **Appendix C**.

4.1 Soil Boring Installation

During August 2019, a total of seven (7) soil borings were advanced at the Site utilizing a track-mounted CME-55 drilling rig. Soil borings SB-1 and SB-2 were advanced southeast of the compressor skid. Soil boring SB-3 was advanced southwest of the compressor skid and soil borings SB-4 and SB-5 were advanced west of the compressor skid. Soil borings SB-6 and SB-7 were advanced northeast of the compressor skid. Soil borings SB-1, SB-4, and SB-6 were advanced as close as possible to the compressor skid release area. Soil borings SB-2, SB-5, and SB-7 were advanced further from the release area to provide additional delineation in the event that impact was identified in one or more of the closer soil borings. **Figure 3B** of **Appendix A** is a map that depicts the soil boring locations.

Soil samples were collected continuously utilizing a hand auger (during hydro-excavation), five-foot continuous core sediment barrel, split spoon, or air-rotary core (sandstone), depending on the subsurface conditions encountered at different depths. Samples and drill cuttings were observed to document visual and olfactory evidence of petroleum hydrocarbons. A field headspace analysis was conducted on each available soil sample interval by placing the portion of the sample designated for field screening into a plastic Ziplock[®] bag. The plastic bag was sealed, and the sample allowed to volatilize. The air above the sample, the headspace, was then evaluated using a PID capable of detecting VOCs. The PID was calibrated utilizing an isobutylene standard prior to use in the field.

During the completion of each soil boring, a trained Ensolum professional documented the subsurface lithology, color, and moisture content, and constructed a continuous profile of the soil column from the ground surface to the boring terminus. Soil samples from each boring location were visually inspected and



classified in the field. The lithology observed during the advancement of soil borings generally consisted of sandy silty clay and clayey silt, underlain by sandstone. Detailed lithologic descriptions are presented on the soil boring logs included in **Appendix F**.

Overall, PID readings ranged from zero (0) parts per million (ppm) to 21.4 ppm (SB-2 @ 18'-20'). Field screening results are presented on soil boring logs included in **Appendix F**.

4.2 Soil Sampling Program

A minimum of five (5) soil samples from each soil boring were submitted for laboratory analyses from a combination of the following:

- The depth interval exhibiting the highest concentration of VOCs based on PID evidence;
- An interval exhibiting visual/olfactory evidence of impairment;
- The capillary fringe zone (not encountered);
- From a change in lithology; or
- From the bottom of the boring.

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

4.3 Soil Laboratory Analytical Program

The soil samples collected from the soil borings were analyzed for BTEX using EPA SW-846 Method #8021/8260, TPH GRO/DRO/MRO using EPA SW-846 Method #8015, and chlorides using EPA Method #300.0.

A summary of the analytes, sample type, number of samples, and EPA-approved methods is presented in the following table:

Analytes	Sample Type	No. of Samples	Method
TPH GRO/DRO/MRO	Soil	44	SW-846 8015
BTEX	Soil	44	SW-846 8021/8260
Chlorides	Soil	44	EPA Method 300.0

The soil boring laboratory results are summarized in **Table 3** (**Appendix E**). The executed chain-of-custody forms and laboratory data sheets are provided in **Appendix G**.

4.4 Data Evaluation

Ensolum compared the BTEX, TPH, and chloride laboratory analytical results or laboratory PQLs/RLs associated with the soil boring soil samples to the applicable New Mexico EMNRD OCD closure criteria.

• The laboratory analytical results for soil samples collected from the soil borings indicate benzene is not present in concentrations greater than the laboratory PQLs/RLs, which are less than the New Mexico EMNRD OCD closure criteria of 10 mg/kg.



- The laboratory analytical results for soil samples collected from the soil borings indicate total BTEX is not present in concentrations greater than the laboratory PQLs/RLs, which are less than the New Mexico EMNRD OCD closure criteria of 50 mg/kg.
- The laboratory analytical results for soil samples SB-1 (34'-35') and SB-2 (18'-20') indicate combined TPH GRO/DRO/MRO concentrations of 34 mg/kg and 17 mg/kg, respectively, which do not exceed the New Mexico EMNRD OCD closure criteria of 100 mg/kg. The laboratory analytical results for the remaining soil samples collected from the soil borings indicate combined TPH GRO/DRO/MRO is not present in concentrations greater than the laboratory PQLs/RLs, which are less than the New Mexico EMNRD OCD closure criteria of 100 mg/kg.
- The laboratory analytical results for soil samples SB-2 (18'-20'), SB-3 (2'), SB-7 (2'), SB-7 (4'), S-7 (8'), and S-7 (10'-13') indicate chloride concentrations ranging from 63 mg/kg (SB-2 (18'-20') and SB-3 (2')) to 300 mg/kg (S-7 (8')), which are less than the New Mexico EMNRD OCD closure criteria of 600 mg/kg for chlorides. The laboratory analytical results for the remaining soil samples collected from the soil borings indicate chloride is not present in concentrations greater than laboratory PQLs/RLs, which are less than the New Mexico EMNRD OCD closure criteria of 600 mg/kg for chlorides.

The laboratory analytical results for the soil boring samples are summarized in Table 3 (Appendix E).

5.0 FINDINGS

During April 2019, Enterprise initiated activities to remediate petroleum hydrocarbon impact resulting from the release. The initial objective of the remediation activities was to reduce COC concentrations in the on-Site soils to below the applicable New Mexico EMNRD OCD closure criteria. After determining that further excavation would risk the integrity of the compressor pad and associated appurtenances, the remediation activities were halted. During August and September 2019, Ensolum performed a LESI to assess and characterize the release Site.

- During excavation activities, a total of 16 soil samples were collected from the remediation excavation for laboratory analysis. Based on soil laboratory analytical results, soils remaining in place exhibit COC concentrations above the New Mexico EMNRD OCD closure criteria for TPH MRO.
- A total of approximately 100 yd³ of petroleum hydrocarbon affected soils and 130 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 resurfaced with gravel. A total of approximately 25 bbls of hydro-excavation soil cuttings and water associated with the soil boring activities were transported to IEI on Crouch Mesa near Aztec, New Mexico for disposal/remediation.
- During the LESI activities, a total of 44 soil samples were collected from the soil borings. Based on the analytical results, COC concentrations were not identified above the applicable New Mexico EMNRD closure criteria standards at any of the soil boring locations.
- Groundwater was not encountered during the advancement of the soil borings.



6.0 **RECOMMENDATION**

Based upon the information provided herein, Enterprise requests the deferment of final remediation and reclamation until after the facility is decommissioned, to avoid damaging existing structures/appurtenances at the facility. At that time, Enterprise will perform final remediation and reclamation of the Site.

7.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

7.1 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).

7.2 Additional Limitations

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

7.3 Reliance

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

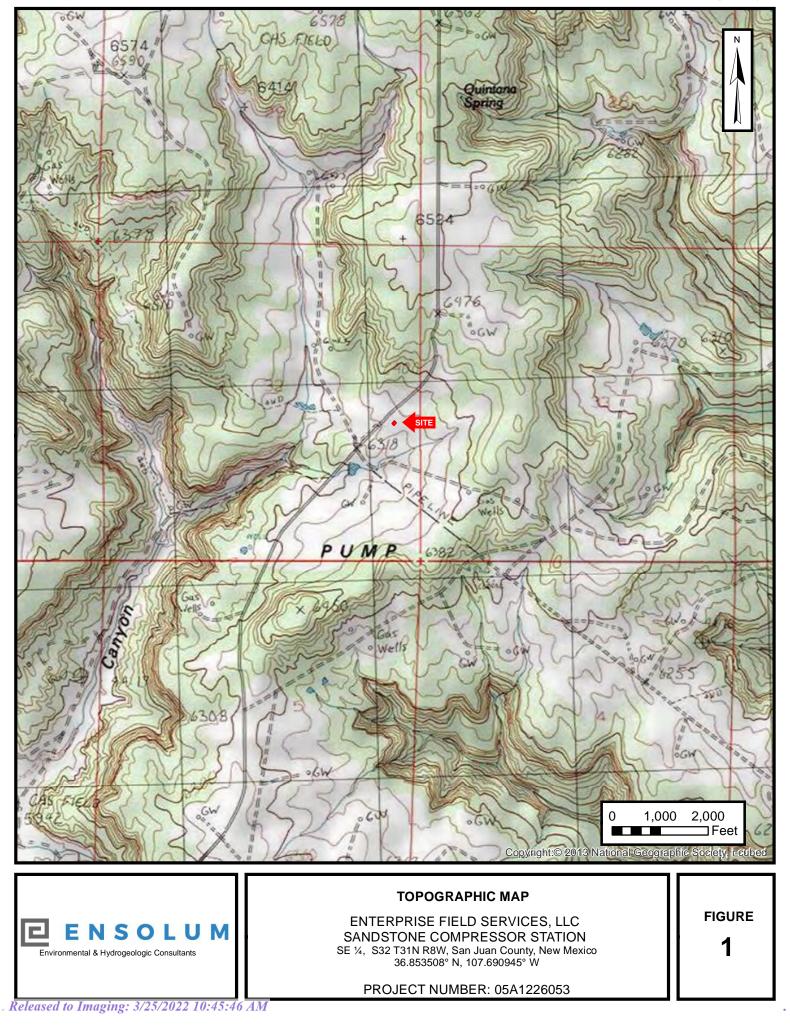


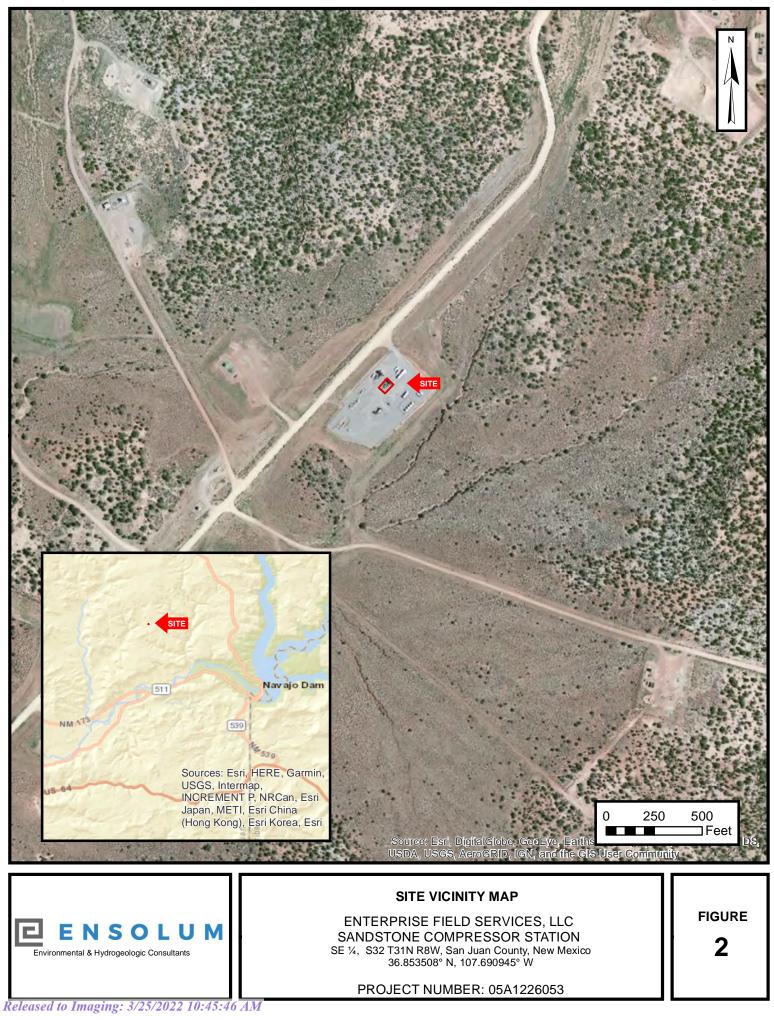
APPENDIX A

Figures

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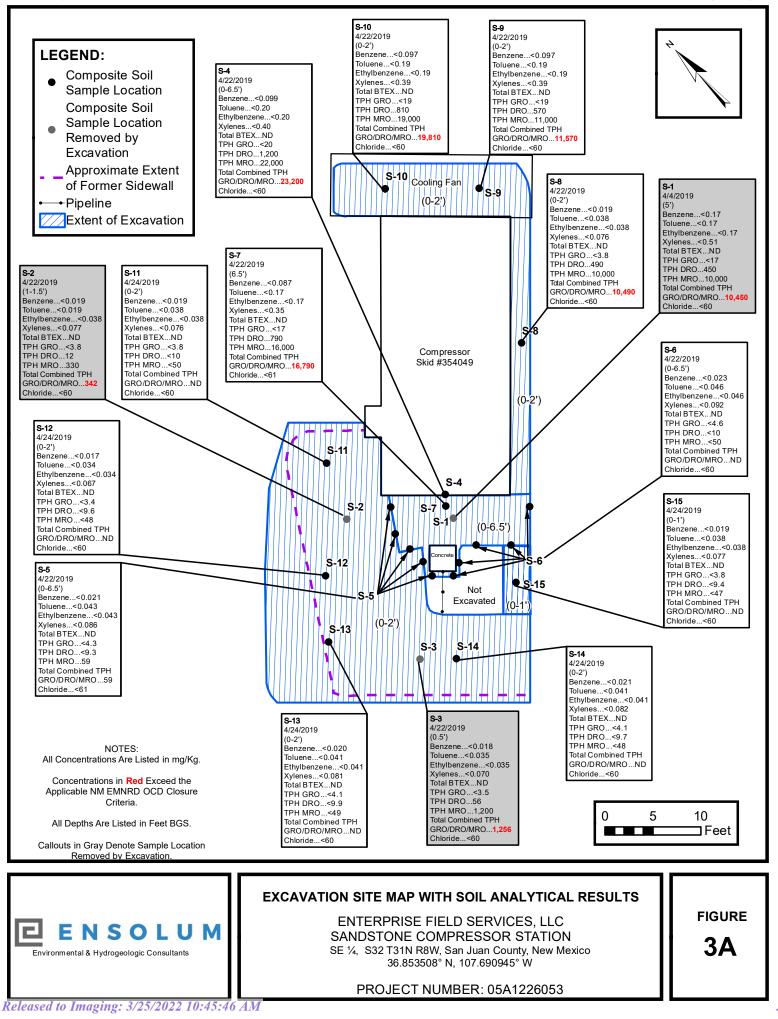
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SOIL BORING LOCATION MAP

PROJECT NUMBER: 05A1226053

ENTERPRISE FIELD SERVICES, LLC SANDSTONE COMPRESSOR STATION SE ¼, S32 T31N R8W, San Juan County, New Mexico 36.853508° N, 107.690945° W FIGURE

3B

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Environmental & Hydrogeologic Consultants

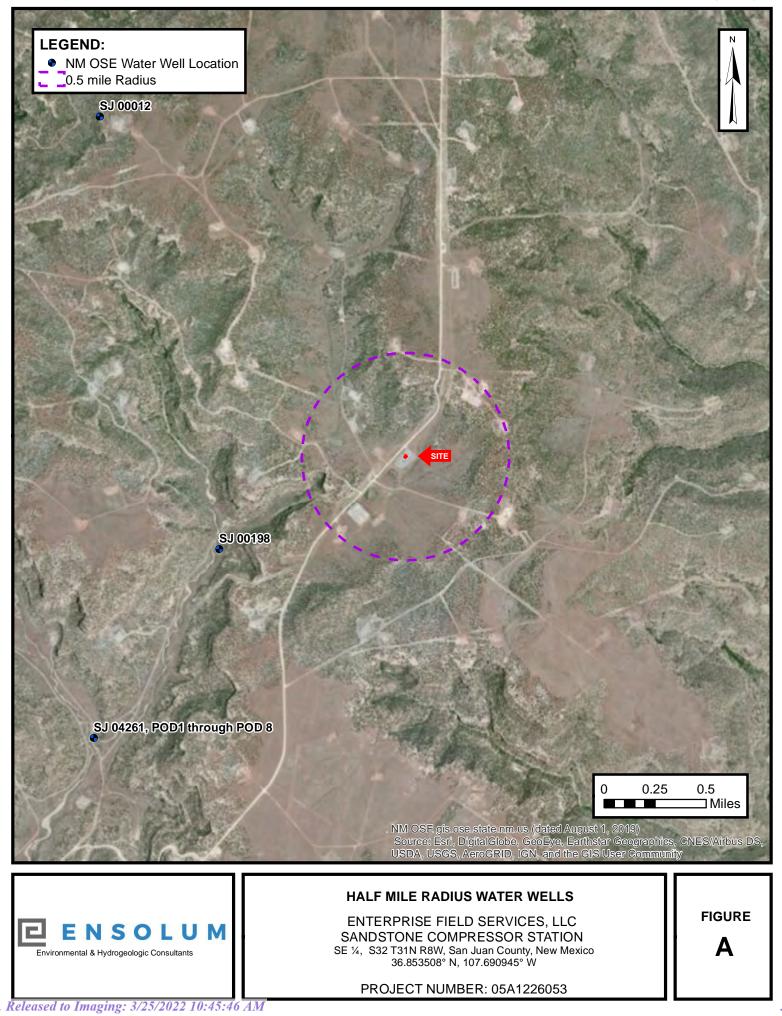
SOLUM

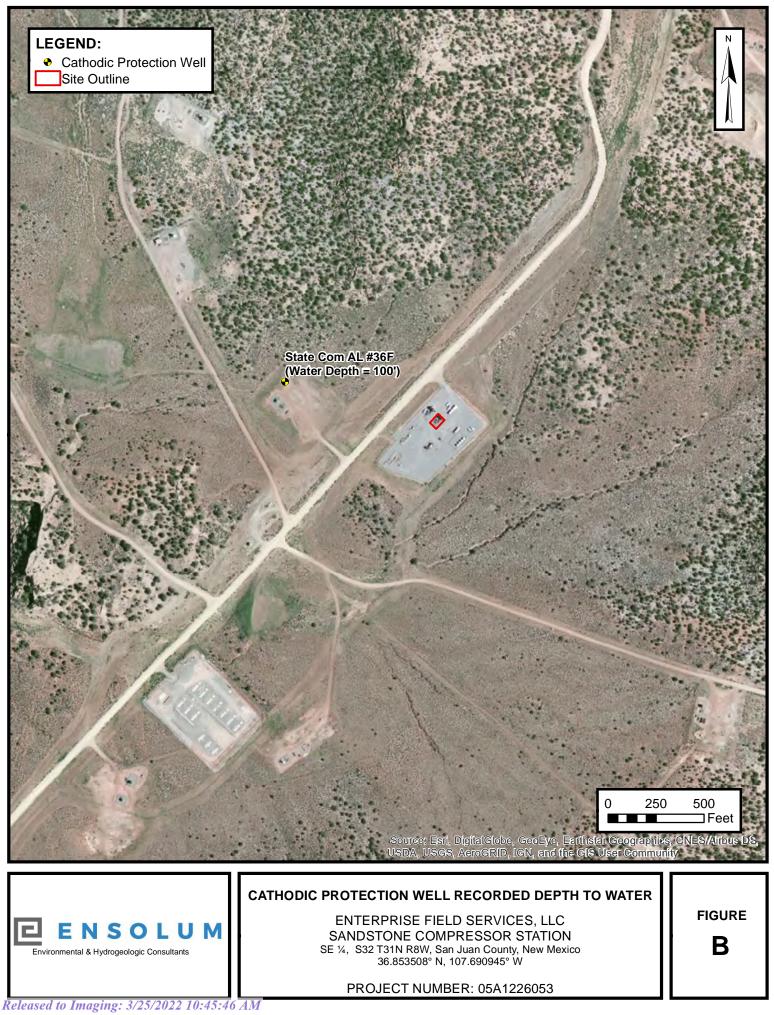


APPENDIX B

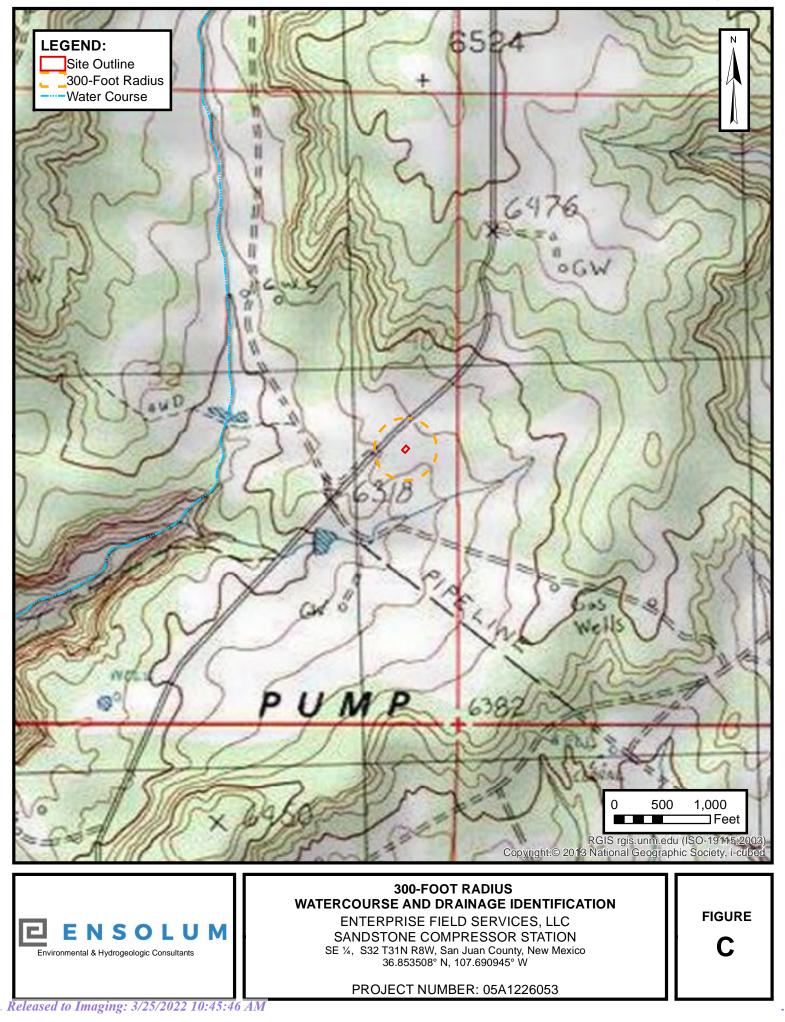
Siting Figures and Documentation

. Released to Imaging: 3/25/2022 10:45:46 AM

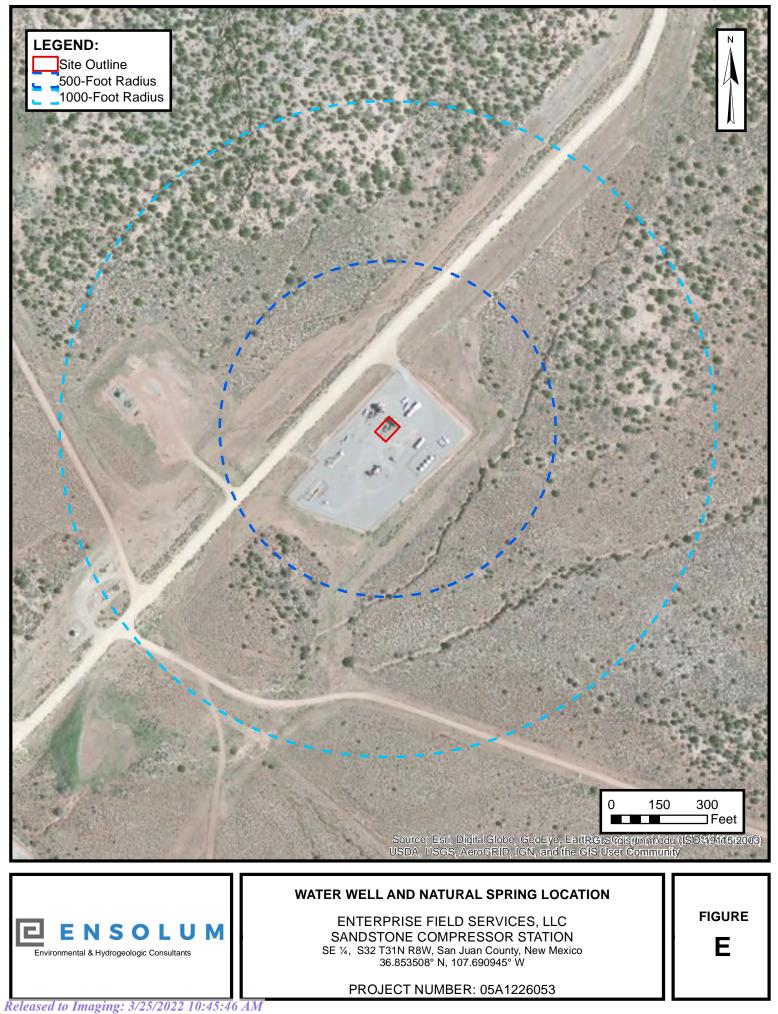




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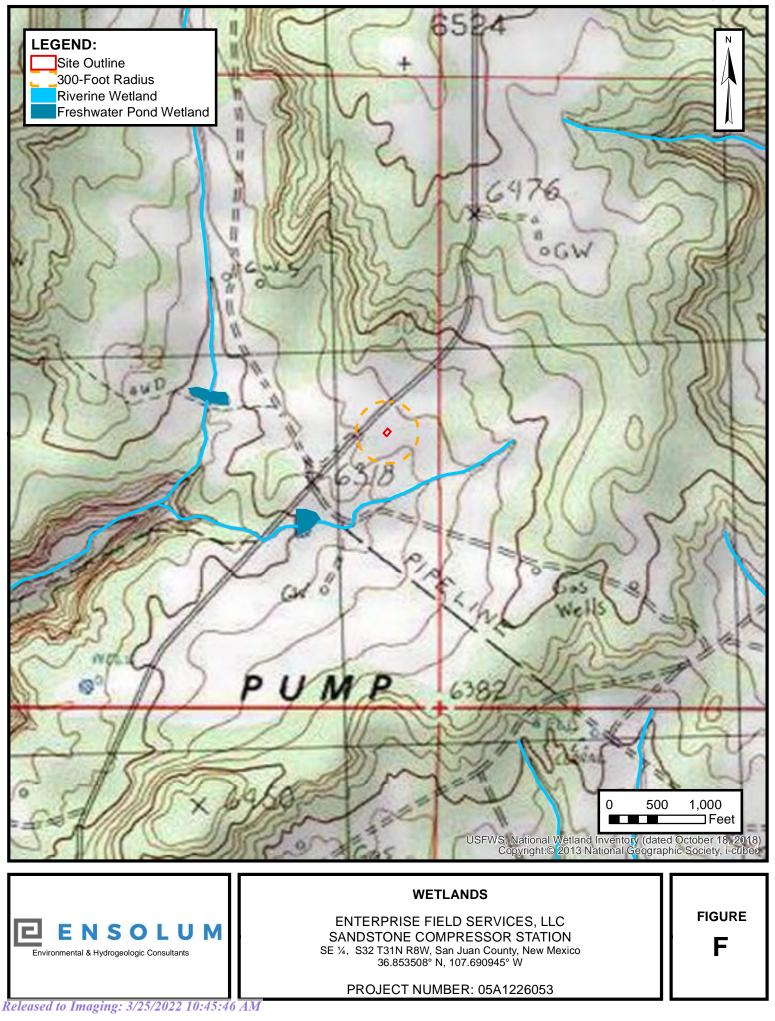




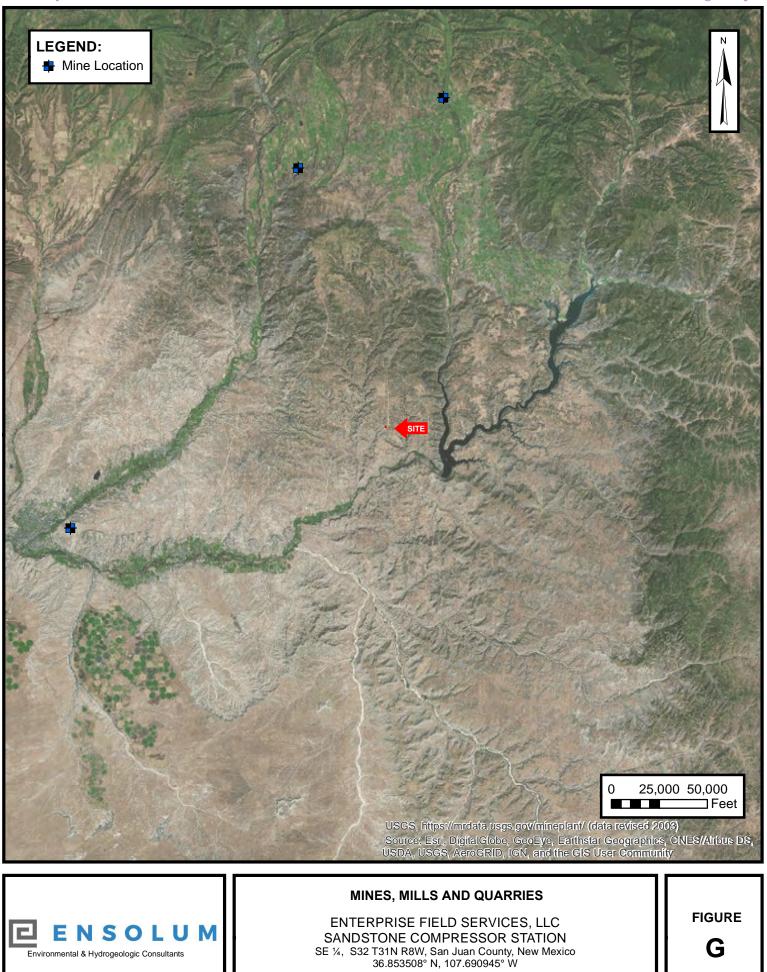


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. Released to Imaging: 3/25/2022 10:45:46 AM

PROJECT NUMBER: 05A1226053



PROJECT NUMBER: 05A1226053



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

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 260087.96

Northing (Y): 4082001

Radius: 804.67



New Mexico Office of the State Engineer Active & Inactive Points of Diversion

(with Ownership Information)

No PODs found.

UTMNAD83 Radius Search (in meters):

Easting (X): 260087.96

Northing (Y): 4082001

Radius: 804.67



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 & no longer serves a water right file.)	(R=POD has been replaced O=orphaned, C=the file is closed)	(qua					VE 3=SW b largest)	,	3 UTM in meters)		(In feet)
POD Number	POD Sub- Code basin C	County	QQ 6416			: Tws	Rng	х	Y	-	Depth Water	Water Column
SJ 00012	SJ	SJ		2	30	31N	08W	258218	4084189* 🌍	1021	475	546
<u>SJ 00198</u>	SJ	SJ	43	3	32	31N	08W	258895	4081451* 🌍	2003		
									Average Depth to	o Water:	475 f	eet
									Minimun	n Depth:	475 f	eet
									Maximum	n Depth:	475 f	eet
Record Count: 2												

PLSS Search:

Section(s): 28, 29, 30, 31,	Township: 31N
32, 33	

Range: 08W

*UTM location was derived from PLSS - see Help



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

No records found.

PLSS Search:

Section(s): 4, 5, 6

Township: 30N

Range: 08W

Received by OCD: 8/10/2020 9:33:34 AM



New Mexico Office of the State Engineer

Water Right Summary

(NIAD92 LITM in motors)

Z	WR File Number:	SJ 04261		Subbasin: SJ		Cross Reference: -
get image list	Primary Purpose:	MON MC	ONITORING	WELL		
<u> </u>	Primary Status:	PMT PE	ERMIT			
	Total Acres:		:	Subfile:	-	Header: -
	Total Diversion:	0		Cause/Case	e: -	
	Agent:	LT ENVIRC	ONMENTAL			
	Contact:	DANNY BU	JRNS			
	Owner:	WILLIAMS	FOUR COR	NERS LLC		
	Contact:	AARON GA	ALER			

Documents on File

			Status		From/			
Trn #	Doc	File/Act	1	2	Transaction Desc.	То	Acres	Diversion Consumptive
@ images 663822	EXPL	2017-10-16	PMT	APR	SJ-4261-POD1-POD8	Т	0	0

Current Points of Diversion

	Q	Q	ດ			(NAD83 UTM	in meters)	
POD Number	Well Tag Source 64		-	Sec	Tws Rng	Х	Y	Other Location Desc
SJ 04261 POD1		1	3	06	30N 08W	258098	4081476 🌍	MW1 EXISTING
SJ 04261 POD2		1	3	06	30N 08W	258042	4080308 🌍	MW3 EXISTING
SJ 04261 POD3		1	3	06	30N 08W	258087	4080292 🌍	MW4 EXISTING
SJ 04261 POD4		1	3	06	30N 08W	258110	4080301 🌍	MW5 EXISTING
SJ 04261 POD5		1	3	06	30N 08W	258097	4080273 🌍	MW6 EXISTING
SJ 04261 POD6		1	3	06	30N 08W	258092	4080327 🌍	MW2R
SJ 04261 POD7		1	3	06	30N 08W	258103	4080267 🌍	MW7
SJ 04261 POD8		1	3	06	30N 08W	258117	4080283 🌍	MW6

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.

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RCVD MAR28 U 7 OIL CONS. DIV.

OCD CATHODIC PROTECTION DEEPWELL GROUNDBED REPORT DIST. 3 DATA SHEET: NORTHWESTERN NEW MEXICO

SUBMIT 2 COPIES TO O.C.D. AZTEC OFFICE		OPERATOR: ConocoPhillips CO. FARMINGTON, NM 87401 PHONE: 599-3400
LOCATION INFORMATION	API Number	3004532897 30-045-32885
WELL NAME OR PIPELINE SERVED: STATE COM AL #36F	32-31-8	INSTALLATION DATE: 11/30/2006
PPCO. RECTIFIER NO.: FM-0396A ADDITIONAL WELLS: N/A		
TYPE OF LEASE: STATE LEASE NUMBER:	E-5113	

GROUND BED INFORMATION

TOTAL DEPTIL 400	CASING DIAMETER: 8-IN TYPE OF CASING: PVC CASING DEPTH 20 CASING CEMENTED: 🗆
TOP ANODE DEPTH 240	BOTTOM ANODE DEPTH 390
ANCOE DEPTHS:	240,250,260,270,280,290,300,320,330,340,370,380,390
AMOUNT OF COKE 3000	D#

WATER INFORMATION

WATER DEPTH (1)	100	WATER DEPTH [2]	
GAS DEPTIL	CEMI	NT PLUGS:	

OTHER INFORMATION

	T PERFORATIONS: 200	VENT PIPE DEPTH		
REMARKS:	START UP ON 12-4-06 S	ATIC READ =640)	

IF ANY OF THE ABOVE DATA IS UNAVAILABLE, PLEASE INDICATE SO. COPIES OF ALL LOGS, INCLUDING DRILLERS LOGS, WATER ANALYSIS, AND WELL BORE SCHEMATICS SHOULD BE SUBMITTED WHEN AVAILABLE. UNPLUGGED UNABANDONED WELLS ARE TO BE INCLUDED.

*- LAND TYPE MAY BE SHOWN: F-FEDERAL; I-INDIAN; S-STATE; P-FEE IF FEDERAL OR INDIAN, ADD LEASE NUMBER.

Monday, March 26



APPENDIX C

Executed C-138 Solid Waste Acceptance Forms

. Released to Imaging: 3/25/2022 10:45:46 AM

Received by OCD: 8/10/2020 9:33:34 AM

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

State of New Mexico Energy Minerals and Natural Resources 970.57-1002 Oil Conservation Division 1220 South St. Francis Dr.

Form C-138 Revised 08/01/11

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.

*Surface Waste Management Facility Operator and Generator shall maintain and make this

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	Santa Fe, NM 87505	documentation available for Division inspection.
REQUE	ST FOR APPROVAL TO ACCE	PT SOLID WASTE
1. Generator Name and Address: Enterprise Field Services, LLC, 614	Reilly Ave, Farmington NM 87401	AFE: Pending PayKey: GG11580 PM: Matt Garrison
2. Originating Site: Sandstone Compressor Station		
3. Location of Material (Street Ad UL I Section 32 Township 31 N	dress, City, State or ULSTR): orth Range 8 West; 36.853298, -107.690996	Apr: 1 2019
4. Source and Description of Wass Source: Leak from the Compresson Description: Hydrocarbon/Glycol Im Estimated Volume <u>50</u> yd ³ bbls	· Skid.	2
5. GENE	RATOR CERTIFICATION STATEMENT O	F WASTE STATUS
Generator Signature certify that according to the Resource	tive or authorized agent for Enterprise Products O Conservation and Recovery Act (RCRA) and the escribed waste is: (Check the appropriate classific	US Environmental Protection Agency's July 1988
	stes generated from oil and gas exploration and pr Only: Waste Acceptance Frequency [] Monthl	
characteristics established in RCI	RA regulations, 40 CFR 261.21-261.24, or listed h	eed the minimum standards for waste hazardous by azardous waste as defined in 40 CFR, part 261, he above-described waste is non-hazardous. (Check
□ MSDS Information ⊠ RCRA I	Hazardous Waste Analysis 🛛 🖾 Process Knowledge	ge D Other (Provide description in Box 4)
GENERATOR 19.15.36	15 WASTE TESTING CERTIFICATION STA	TEMENT FOR LANDFARMS
I, Thomas Long Generator Signature the required testing/sign the Generato	resentative for Enterprise Products Operating auth r Waste Testing Certification.	orize Envirotech <u>. Inc</u> . to complete
of the representative samples are attact 19.15.36 NMAC.	hed to demonstrate the above-described waste cor	
5. Transporter: TBD Sierra		
OCD Permitted Surface Waste Mai		
Name and Facility Permit #: Env Address of Facility: Hilltop, NM Method of Treatment and/or Dispo		#: NM 01-0011
Waste Acceptance Status: PRINT NAME: Greg Crabt SIGNATURE: Jun Construction Surface Waste Management	TITLE: Enviro M TELEPHONE NO.:	NIED (Must Be Maintained As Permanent Record) $\frac{1}{10000000000000000000000000000000000$

corycDistrict 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
220 S. St. Francis Dr., Santa Fe, NM 87505

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2.

3.

4.

4.

5.

I, Brian Stone

<u>cDistrict I</u> N. French Dr., Hobbs, NM 88240 <u>ict II</u>	State of New Mexico Energy Minerals and Natural Resources	Form C-138 Revised August 1, 2011 *Surface Waste Management Facility Operator
S. First St., Artesia, NM 88210 <u>iet III</u> Rio Brazos Road, Aztec, NM 87410 <u>iet IV</u> S. St. Francis Dr., Santa Fe, NM 87505	Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505	*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.
REQUEST	FOR APPROVAL TO ACCEPT S	SOLID WASTE
Generator Name and Address:	Reilly Avenue, Farmington, NM 87401	Invoice Information:
		PM: Matt Garrison Pay Key:EM20767
Originating Site: Sandstone CS hydrovac and drill c	uttings (soil)	AM
Location of Material (Street Addre Section 32 T31N R8W	ss, City, State or ULSTR):	
	Iydrocarbon impacted soil/sludge from remediatio	n activities associated with a natural gas
pipeline release. Estimated Volume <u>5</u> d ³ /bbl	s Known Volume (to be entered by the operator	at the end of the haul) _25 yd ³ /bbls
GENERA	TOR CERTIFICATION STATEMENT OF WA	ASTE STATUS
EANStore rian Stone representative of RINT & SIGN NAME	r authorized agent for <u>Enterprise Field Service</u> COMPANY NAM	

PRINT & SIGN NAME certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-Operator Use Only: Waste Acceptance Frequency 👖 Monthly 🗖 Weekly 🗖 Per Load exempt waste.

RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

□ Process Knowledge □ Other (Provide description in Box 4) □ MSDS Information □ RCRA Hazardous Waste Analysis

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

BAStone 7-19-19 , representative for Enterprise Field Services, LLC authorize Envirotech, Inc. to I.

Generator Signature complete the required testing/sign the Generator Waste Testing Certification.

I, Betty Pund-, representative for JEI do hereby certify that
representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples
have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results
of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of
19.15.36 NMAC.
Transporter: TBD
OCD Permitted Surface Waste Management Facility
Name and Facility Permit #: IEI, Inc. Soil Remediation Facility * Permit #: NM 01-0010B
Address of Facility: #49 County Rd 3150, Aztec, NM 87410
Method of Treatment and/or Disposal: Evaporation Injection Treating Plant Landfarm Landfill Other $PH - 7$
status:
DENIED (Must Be Maintained As Permanent Record)
PRINT NAME: BETTY PRUDEN TITLE: CLERK DATE: 7/17/19
SIGNATURE: <u>Betty</u> <u>Pmd</u> TELEPHONE NO.: <u>632-1786</u>



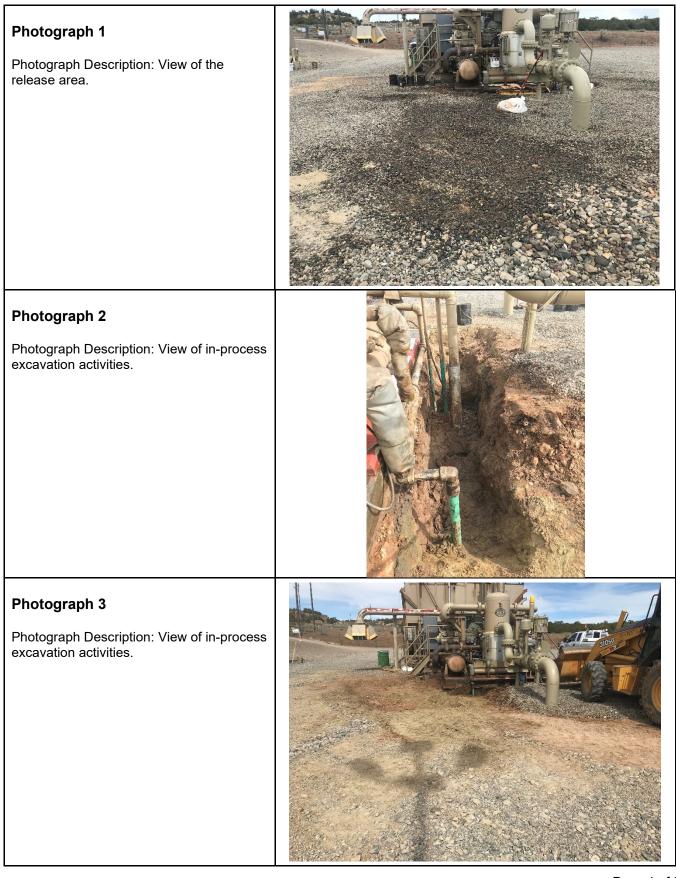
APPENDIX D

Photographic Documentation

SITE PHOTOGRAPHS

Enterprise Field Services, LLC Limited Environmental Site Investigation Report Sandstone Compressor Station Ensolum Project No. 05A1226053





SITE PHOTOGRAPHS

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Enterprise Field Services, LLC Limited Environmental Site Investigation Report Sandstone Compressor Station Ensolum Project No. 05A1226053



Photograph 4 Photograph Description: View of final excavation adjacent to the compressor Photograph 6 Photograph Description: View of final excavation beneath the compressor

Photograph 5

skid.

Photograph Description: View of final excavation adjacent to the compressor skid.

cooling fan.

SITE PHOTOGRAPHS

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Enterprise Field Services, LLC Limited Environmental Site Investigation Report Sandstone Compressor Station Ensolum Project No. 05A1226053



Photograph 7

Photograph Description: View of the final excavation.





APPENDIX E

Tables

							V	Vaste Characte	TABLE Sandstone	CS	y Results									
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 (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total Combined TPH (GRO/DRO/MRO) (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Mercury (mg/kg)
								Waste Character	ization Sample -	Removed by Exca	avation									
CS-1	04.02.19	С	0.16	<0.016	<0.032	<0.032	<0.064	ND	<3.2	1,100	25,000	26,100	<4.9	81	<0.20	4.3	2.7	<4.9	<0.49	<0.035

TABLE 1B	
Sandstone CS	
Waste Characterization Sample - TCLP Rule of 20 Projection	

Sample I.D.	Date	Sample Type C- Composite G - Grab	Sample Depth (feet)	Benzene (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
т	CLP Regulatory L	imit (40 CFR 261.2.	4)	0.5	5.0	100	1.0	5.0	5.0	1.0	5.0	0.2
				Waste C	haracterization S	ample - Projected	Rule of 20 TCLP	Equivalent				
CS-1 Projected TCLP*	04.02.19	С	0.16	<0.0008*	<0.245*	4.05*	<0.01*	0.215*	0.135*	<0.245*	<0.0245*	<0.00175*

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

TCLP = Toxicity Characteristic Leaching Procedure

mg/kg = milligram per kilogram

mg/L = milligram per liter

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

* Rule of 20 Projected TCLP Result

TABLE 2 Sandstone CS Soil Analytical Summary - Excavation

Sample I.D.	Date	Sample Type C- Composite	Sample Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO	TPH DRO	TPH MRO	Total Combined TPH	Chloride (mg/kg)
		G - Grab	(leet)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(GRO/DRO/MRO) (mg/kg)	(mg/kg)
		Natural Resources		10	NE	NE	NE	50		NE		100	600
					Con	nposite Soil Sample	s Removed by Exe	cavation					
S-1	04.04.19	G	5	<0.17	<0.17	<0.17	<0.51	ND	<17	450	10,000	10,450	<60
S-2	04.22.19	С	1 to 1.5	<0.019	<0.038	<0.038	<0.077	ND	<3.8	12	330	342	<60
S-3	04.22.19	С	0.5	<0.018	< 0.035	<0.035	<0.070	ND	<3.5	56	1,200	1,256	<60
						Excavation Com	oosite Soil Sample	S					
S-4	04.22.19	С	0 to 6.5	<0.099	<0.20	<0.20	<0.40	ND	<20	1,200	22,000	23,200	<60
S-5	04.22.19	С	0 to 6.5	<0.021	<0.043	<0.043	<0.086	ND	<4.3	<9.3	59	59	<61
S-6	04.22.19	С	0 to 6.5	<0.023	<0.046	<0.046	<0.092	ND	<4.6	<10	<50	ND	<60
S-7	04.22.19	С	6.5	<0.087	<0.17	<0.17	<0.35	ND	<17	790	16,000	16,790	<61
S-8	04.22.19	С	0 to 2	<0.019	<0.038	<0.038	<0.076	ND	<3.8	490	10,000	10,490	<60
S-9	04.22.19	С	0 to 2	<0.097	<0.19	<0.19	<0.39	ND	<19	570	11,000	11,570	<60
S-10	04.22.19	С	0 to 2	<0.097	<0.19	<0.19	<0.39	ND	<19	810	19,000	19,810	<60
S-11	04.24.19	С	0 to 2	<0.019	<0.038	<0.038	<0.076	ND	<3.8	<10	<50	ND	<60
S-12	04.24.19	С	0 to 2	<0.017	<0.034	<0.034	<0.067	ND	<3.4	<9.6	<48	ND	<60
S-13	04.24.19	С	0 to 2	<0.020	<0.041	<0.041	<0.081	ND	<4.1	<9.9	<49	ND	<60
S-14	04.24.19	С	0 to 2	<0.021	<0.041	<0.041	<0.082	ND	<4.1	<9.7	<48	ND	<60
S-15	04.24.19	С	0 to 1	<0.019	< 0.038	<0.038	<0.077	ND	<3.8	<9.4	<47	ND	<60

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

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

NA = Not Analyzed

						TABLE 3 Sandstone 0 halytical Summ	CS					
Sample I.D.	Date	Sample Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total Combined TPH (GRO/DRO/MRO) (mg/kg)	Chloride (mg/kg)
	nergy, Mineral & Na Conservation Divisi		10	NE	NE	NE	50		NE		100	600
					Soil Bo	rings Advanced b	y Ensolum					
		2	<0.024	<0.048	<0.048	<0.096	ND	<4.8	<9.8	<49	ND	<60
	7.17.19	4	<0.024	<0.048	<0.048	<0.097	ND	<4.8	<9.9	<49	ND	<61
SB-1		8	<0.024	<0.048	<0.048	<0.096	ND	<4.8	<9.8	<49	ND	<60
00-1	8.12.19	17 to 20	<0.023	<0.047	<0.047	<0.093	ND	<4.7	<8.9	<45	ND	<60
	0.12.19	34 to 35	<0.024	<0.049	<0.049	<0.097	ND	<4.9	34	<43	34	<59
	8.14.19	50 to 52	<0.024	<0.047	<0.047	<0.095	ND	<4.7	<9.8	<49	ND	<60
	7.17.19	2	<0.023	<0.046	<0.046	<0.092	ND	<4.6	<10	<50	ND	<59
	8.15.19	18 to 20	<0.024	<0.049	<0.049	<0.098	ND	<4.9	17	<46	17	63
SB-2	0.10.10	22 to 25	<0.023	<0.047	<0.047	<0.093	ND	<4.7	<8.8	<44	ND	<60
	8.21.19	30 to 33	<0.024	<0.048	<0.048	<0.096	ND	<4.8	<9.7	<48	ND	<60
	0.21110	43 to 45	<0.023	<0.047	<0.047	<0.094	ND	<4.7	<9.5	<48	ND	<60
		2	<0.025	<0.049	<0.049	<0.098	ND	<4.9	<9.8	<49	ND	63
	7.17.19	4	<0.024	<0.048	<0.048	<0.096	ND	<4.8	<10	<51	ND	<60
		8	<0.025	<0.050	<0.050	<0.099	ND	<5.0	<10	<52	ND	<60
SB-3	8.15.19	12 to 15	<0.024	<0.049	<0.049	<0.098	ND	<4.9	<9.2	<46	ND	<60
	0110110	22 to 24	<0.024	<0.048	<0.048	<0.096	ND	<4.8	<9.0	<45	ND	<60
	8.22.19	33 to 34	<0.024	<0.048	<0.048	<0.096	ND	<4.8	<9.5	<48	ND	<60
		49 to 50	<0.024	<0.048	<0.048	<0.095	ND	<4.8	<9.9	<50	ND	<60
		2	<0.023	<0.047	<0.047	<0.094	ND	<4.7	<10	<51	ND	<60
	7.17.19	6	<0.025	<0.049	<0.049	<0.098	ND	<4.9	<10	<51	ND	<60
		8	<0.025	<0.049	<0.049	<0.098	ND	<4.9	<9.8	<49	ND	<60
SB-4 ¹		16 to 17	<0.023	<0.046	<0.046	<0.093	ND	<4.6	<8.9	<45	ND	<60
	8.14.19	23 to 25	<0.024	<0.048	<0.048	<0.097	ND	<4.8	<9.2	<46	ND	<61
		30 to 33	<0.024	<0.049	<0.049	<0.097	ND	<4.9	<9.9	<49	ND	<60
		48 to 50	<0.024	<0.049	<0.049	<0.098	ND	<4.9	<9.3	<47	ND	<60

						TABLE 3 Sandstone 0 nalytical Summ	CS					
Sample I.D.	Date	Sample Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total Combined TPH (GRO/DRO/MRO) (mg/kg)	Chloride (mg/kg)
	nergy, Mineral & Na Conservation Divisio		10	NE	NE	NE	50	(119/109)	NE	(ing/kg)	100	600
		2	<0.024	<0.048	<0.048	<0.096	ND	<4.8	<9.6	<48	ND	<60
	7.17.19	4	<0.023	<0.047	<0.047	<0.093	ND	<4.7	<9.7	<49	ND	<60
		8	<0.024	<0.047	<0.047	<0.094	ND	<4.7	<10	<51	ND	<60
SB-5	8.15.19	13 to 15	<0.024	<0.048	<0.048	<0.097	ND	<4.8	<8.6	<43	ND	<59
		23 to 25	<0.024	<0.048	<0.048	<0.096	ND	<4.8	<9.1	<45	ND	<60
	8.21.19	30 to 33	<0.024	<0.048	<0.048	<0.096	ND	<4.8	<9.3	<47	ND	<60
		48 to 50	<0.024	<0.047	<0.047	<0.095	ND	<4.7	<9.7	<49	ND	<60
		2	<0.025	<0.050	<0.050	<0.10	ND	<5.0	<10	<50	ND	<60
	7.17.19	4	<0.024	<0.049	<0.049	<0.097	ND	<4.9	<10	<51	ND	<60
SB-6		8	<0.023	<0.046	<0.046	<0.093	ND	<4.6	<10	<51	ND	<60
00-0		24 to 25	<0.025	<0.049	<0.049	<0.099	ND	<4.9	<8.8	<44	ND	<60
	8.14.19	30 to 32	<0.024	<0.048	<0.048	<0.097	ND	<4.8	<9.1	<46	ND	<60
		48 to 50	<0.024	<0.049	<0.049	<0.098	ND	<4.9	<9.9	<49	ND	<60
		2	<0.024	<0.048	<0.048	<0.095	ND	<4.8	<9.9	<49	ND	280
	7.17.19	4	<0.023	<0.046	<0.046	<0.092	ND	<4.6	<10	<50	ND	270
SB-7		8	<0.024	<0.048	<0.048	<0.096	ND	<4.8	<10	<50	ND	300
007	8.15.19	10 to 13	<0.024	<0.049	<0.049	<0.098	ND	<4.9	<9.9	<49	ND	84
	0.10.10	23 to 25	<0.024	<0.049	<0.049	<0.098	ND	<4.9	<9.5	<48	ND	<60
	8.21.19	47 to 50	<0.023	<0.047	<0.047	<0.093	ND	<4.7	<9.6	<48	ND	<60

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

1 = Soil Sample SB-4 (23-25') was inadvertently stamped with an out of sequence time

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

NA = Not Applicable

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



APPENDIX F

Soil Boring Logs

. Released to Imaging: 3/25/2022 10:45:46 AM



DRILLING DATE 7/17/19, 8/12/19, 8/14/19 DRILLING COMPANY HRL Compliance Solutions WEST COORDINATE 107.69088 W BORING METHOD Hand Auger/Split Spoon Coring TOTAL DEPTH 52 ft

NORTH COORDINATE 36.85342 N SURFACE COMPLETION LOGGED BY R.DEECHILLY SAMPLER R.DEECHILLY/C.D'APONTI

COMMENTS 0 to 9 feet bgs was hydro-excavated. Hand auger was utilized to collect samples from 0 to 8 feet bgs.

PID (ppm)	Samples	Analysed	% Recovery	Depth (ft)	Graphic Log	Material Description	Depth (ft)
3.2	/SB-1 (2')					Silty Sandy Clay to Silty Clay with traces of competent sandstone.Moderate yellowish brown. Moist, No odor. No staining.	
1.4	/SB-1 (4')	\sqrt{r}		- 2			2
0	<u></u>			- 4			- 4
0	/SB-1 (8')			6			6
	750-1(0)			8			-8
0				- 10 -			- 10 -
				- 12			- 12
				- 14			- 14
0				- 16			- 16
0.1	SB-1 (17'-20')	Y		- 18		Clayey Silt with traces of sandy shale. Light Olive Gray. Moist. No Odor. No Staining.	- 18
0.1 0				20			20
0				22	<u>//</u> .		22
				- 24		/Weathered Shaly Sandstone. Light Olive Gray/ Dusky Yellowish Brown.	- 24
0.2				26	· · · · · · ·	Moist. No Odor. No Staining.	26
				- 28		Sandstone with traces of shale. Light Olive Grey/Pale Yellowish Brown to	28
0.3 0.7				30		Moderate Yellowish Brown/Dark Yellowish Orange. Moist. No Odor. No Staining.	30
				32		Granning.	32
0.8 2.8	SB-1 (34'35')	+ _Y		- 34	· · · · · ·		- 34
2.0		1		- 36			- 36
2.2				- 38			- 38
				- 40			- 40
0.7				- 42			- 42
2.7				- 44			- 44
				46			- 46
				- 48			- 48
				- 50	· · · · · ·		- 50
0	SB-1 (50'-52')	Y		 	· · · · · ·		50
				_		TD at 52 ft bgs	- 54
	1			- 54			L 94



DRILLING DATE 7/17/19, 8/15/19, 8/21/19 DRILLING COMPANY HRL Compliance Solutions WEST COORDINATE 107.69085 W BORING METHOD Hand Auger/Coring TOTAL DEPTH 50 ft

NORTH COORDINATE 36.85340 N SURFACE COMPLETION LOGGED BY R.DEECHILLY SAMPLER R.DEECHILLY/C.D'APONTI

End Set Post Set Set Set Set Set Set Set Set Set Set Set Set Set Set Set Set Set Set	
3 /SB-2 (2) /Y 2 Dark Yellowish Orange. Moist, No odor. No staining. 4 6 8 10 12 6 8 10 12 14 10 12 14 16 Clayey Silt with traces of shale and competent sandstone.Light (Gray, Moist. No Odor. No Staining. 14 16 Clayey Silt with traces of shale and competent sandstone.Light (Gray, Moist. No Odor. No Staining. 5 SB-2 (18'-20') Y 24 6 SB-2 (22'-25') Y 24 24 Dark Yellowish Orange. Moist to Very Moist at 33 ft bgs. No Odo Staining. 1 24 24 28 30 32 30 32 34 36 38 40 42 46 No Recovery	
4 6 4 6 8 10 73 12 14 16 15 5 55 5 55 5 56 8 57 1 68 7 55 5 56 22 24 20 22 Weathered Sandstone to Sandstone. Yellowish Gray to Light Oli 24 26 25 5 58-2 (22*25') Y 24 26 25 28 30 32 26 38 30 32 34 36 38 40 40 44 46 No Recovery	
4 6 3 10 12 14 14 12 14 14 16 Clayey Silt with traces of shale and competent sandstone. Light 0 3 SB-2 (18'-20') Y 20 21 21 22 Weathered Sandstone to Sandstone. Yellowish Gray to Light 0i 35 SB-2 (22'-25') Y 24 26 28 30 26 28 30 30 32 30 32 38 40 44 46 No Recovery	- 2
4 8 -10 3 -12 -14 -12 -14 -16 -14 -16 Clayey Silt with traces of shale and competent sandstone.Light of Gray. Moist. No Odor. No Staining. -18 -16 -16 -18 -20 -22 -18 -20 -22 -18 -20 -22 -18 -20 -22 -21 -24 -24 -26 -24 -26 -28 -30 -32 -30 -32 -34 -36 -38 -30 -38 -40 -44 -44 -44 -44	- 4
A SB-2 (18'-20') Y A SB-2 (18'-20') Y B Image: Constraint of the standard standar	- 6
A SB-2 (18'-20') Y A SB-2 (18'-20') Y B Image: SB-2 (18'-20') Y SB-2 (22'-25') Y SB-2 (30'-33') Y SB-2 (30'-33') Y SB-2 (43'-45') Y A A SB-2 (43'-45') Y A A A A A A A A A A A A A A A A A A A A A A A A A A A A B A B A B A B A B A B A <	- 8
12 12 14 16 15 12 14 16 16 12 17 18 20 22 21 18 20 22 21 20 22 Weathered Sandstone to Sandstone. Yellowish Gray to Light Oil Dark Yellowish Orange. Moist to Very Moist at 33 ft bgs. No Odd Staining. 28 30 30 32 34 36 38 40 40 46 No Recovery	
A SB-2 (18*-20') Y A SB-2 (18*-20') Y SB-2 (18*-20') Y SB-2 (22*-25') Y SB-2 (22*-25') Y SB-2 (30*-33') Y SB-2 (30*-33') Y SB-2 (43*-45') Y SB-2 (43*-45') Y No Recovery	- 1
Baseline Image: Clayer Silt with traces of shale and competent sandstone. Light of Gray. Moist. No Odor. No Staining. SB-2 (18'-20') Y SB-2 (22'-25') Y SB-2 (22'-25') Y SB-2 (30'-33') Y SB-2 (30'-33') Y SB-2 (43'-45') Y SB-2 (43'-45') Y SB-2 (43'-45') Y No Recovery No Recovery	- 1
Baseline Image: Clayer Silt with traces of shale and competent sandstone. Light of Gray. Moist. No Odor. No Staining. SB-2 (18'-20') Y SB-2 (22'-25') Y SB-2 (22'-25') Y SB-2 (30'-33') Y SB-2 (30'-33') Y SB-2 (43'-45') Y SB-2 (43'-45') Y SB-2 (43'-45') Y No Recovery No Recovery	- - 1
A SB-2 (18'-20') Y SB-2 (22'-25') Y SB-2 (22'-25') Y SB-2 (30'-33') Y SB-2 (30'-33') Y SB-2 (43'-45') Y	
4 SB-2 (18'-20') Y SB-2 (22'-25') Y SB-2 (22'-25') Y SB-2 (30'-33') Y SB-2 (30'-33') Y SB-2 (43'-45') Y	
SB-2 (22'-25') Y SB-2 (30'-33') Y SB-2 (30'-33') Y SB-2 (43'-45') Y SB-2 (43'-45') Y SB-2 (43'-45') Y No Recovery No Recovery	- 1
SB-2 (22'-25') Y SB-2 (30'-33') Y SB-2 (30'-33') Y SB-2 (43'-45') Y	- 2
SB-2 (30'-33') Y SB-2 (43'-45') Y SB-2 (_
SB-2 (30'-33') Y SB-2 (43'-45') Y SB-2 (43'-45') Y Add Add	
SB-2 (30'-33') Y 30	r. NO - 2
SB-2 (30'-33') Y 30 32 32 33 34 34 36 38 38 38 40 33 SB-2 (43'-45') Y 46 36 No Recovery	- 2
SB-2 (30'-33') Y 30 32 32 33 34 34 36 38 38 38 40 33 5B-2 (43'-45') Y 46 36 38 36 38 38 38 38 38 38 38 38 38 38 40 36 38 36 40 36 40 36 41 36 38 36 39 39 40 39 41 39 34 39 35 39 36 39 46 39 36 39 37 46 38 39 39 39 39 39 39 39 39 39 39 39 39	- 2
SB-2 (30'-33') Y -32	
34 34 36 36 38 38 40 40 42 40 5B-2 (43'-45') Y 46 46	- 3
36 36 38 38 40 38 42 40 5B-2 (43'-45') Y 46 46 46 46	- 3
36 36 38 38 40 38 42 40 5B-2 (43'-45') Y 46 46 46 46	- 3
SB-2 (43'-45') Y 40 42 42 44 46 46	F
SB-2 (43'-45') Y 40	— 3 —
SB-2 (43'-45') Y 42 44 44 46 46	- 3
SB-2 (43'-45') Y 44 46 No Recovery	4
SB-2 (43'-45') Y 44 46 No Recovery	- 4
46	F
	4
	4
	- 4



BORING LOG SB-3

PROJECT NUMBER 05A1226053 **PROJECT NAME** Sandstone CS **CLIENT** Enterprise Field Services, LLC LOCATION San Juan County, NM

DRILLING DATE 7/17/19, 8/15/19, 8/22/19 DRILLING COMPANY HRL Compliance Solutions WEST COORDINATE 107.69105 ?W BORING METHOD Hand Auger/Split Spoon Coring TOTAL DEPTH 50 ft

NORTH COORDINATE 36.85340 N SURFACE COMPLETION LOGGED BY R.DEECHILLY SAMPLER R.DEECHILLY/C.D'APONTI

COMMENTS 0 to 9 feet bgs was hydro-excavated. Hand auger was utilized to collect samples from 0 to 8 feet bgs. **Graphic Log** % Recovery PID (ppm) **Material Description** Analysed Depth (ft) Depth (ft) Samples Silty Sandy Clay.Moderate Yellowish Brown. Moist, No odor. No staining. 0.1 SB-3 (2') 2 2 0.1 SB-3 (4') γ 4 4 0 6 6 0 /SB-3 (8') lγ 8 8 10 10 0.1 12 12 SB-3 (12'-15') Y Silty Clay with traces of competent sandstone.Dark Yellowish Brown. 0.6 Moist, No odor. No staining 14 - 14 0.2 16 - 16 Clayey Silt. Dusky Yellow to Light Olive Gray. Moist. No Odor. No Staining. 18 - 18 0 20 20 No Recovery Using Core (20'-25'). Switch to Split Spoon. 22 22 SB-3 (22'-24') Y Weathered Sandstone. Light Olive Gray. Moist. No Odor. No Staining. 0 24 24 No Recovery Using Core (25'-30'). Switch to Split Spoon. 26 26 28 28 Sandstone. Light Olive Gray. Very Moist. No Odor. No Staining. 0.5 30 30 0 Sandstone. Yellowish Gray to Light Olive Gray/ Dark Yellowish Orange. 32 32 Moist. No Odor. No Staining. SB-3 (33'-34') Y 0 34 34 0 36 36 0 38 38 40 40 0 42 42 0 44 44 46 46 0 48 48 Ŷ SB-3 (49'-50') 0 50 50 TD at 50 ft bgs

Disclaimer This bore log should not be used separately from this report..

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DRILLING DATE 7/17/19, 8/14/19 DRILLING COMPANY HRL Compliance Solutions WEST COORDINATE 107.69104 W BORING METHOD Hand Auger/Coring TOTAL DEPTH 50 ft

NORTH COORDINATE 36.85350 N SURFACE COMPLETION NA LOGGED BY R.DEECHILLY SAMPLER R.DEECHILLY/C.D'APONTI

COMMEI 0 to 8 fee		s was hydro	o-excavat	ed. Hand	auger wa	s utilized to collect samples from	
PID (mqq)	Samples	Analysed	Recovery (%)	Depth (ft)	Graphic Log	Material Description	Depth (ft)
0.8	/SB-4 (2')	$\sqrt{\gamma}$		2	//	Silty Sandy Clay.Moderate Yellowish Brown. Moist, No odor. No staining.	-2
				4			-4
0.9	/SB-4 (6')	$\sqrt{\gamma}$		- 6			-6
0	/SB-4 (8')	\sqrt{r}		- 8			- 8
				- 10			- 10
0				- 12			- 12
0.1				14		Sand to Sand Clayey with Traces of Competent Sandstone. Moderate	14
1.3 2.9	SB-4 (16'-17')	+ _Y		16		Yellowish Brown.Moist. No Odor. No Staining.	- 16
2.8				18	///	Clayey Silt Transitioning to Silty Clay. Dusky Yellow to Light Olive Gray to	18
2.3				20		Dark Yellowish Brown. Moist. No Odor. No Staining.	20
1.4				- - 22			- 22
1.1	SB-4 (23'-25')	Y		- 24		Weathered Sandstone. Light Olive Gray with Very Dusky Red. Moist. No Odor. No Staining.	- 24
1.6				_ 26 _		Sandstone. Yellowish Gray to Light Olive Gray and Dark Yellowish Orange. Moist. Very Moist at 33 feet bgs. No Odor. No Staining.	- 26
1.3				- 28			- 28
1.7	SB-4 (30'-33')	Y		- 30			- 30
				- 32			- 32
1.0 2.6				- 34 			- 34
				- 38			- 38
0.6				40			- 40
1.3				42			42
1.1				44			44
0.5				46			46
0.7	SB-4 (48'-50')	Y		48			- 48
0.7				50 		TD at 50 ft bgs	50
				- 52			- 52



DRILLING DATE 7/17/19, 8/15/19, 8/21/19 DRILLING COMPANY HRL Compliance Solutions WEST COORDINATE 107.69104 W BORING METHOD Hand Auger/Split Spoon/ Coring TOTAL DEPTH 50 ft

NORTH COORDINATE 36.85352 N SURFACE COMPLETION NA LOGGED BY R.DEECHILLY SAMPLER R.DEECHILLY/C.D'APONTI

PID (ppm)	Samples	Analysed	Recovery (%)	Depth (ft)	Graphic Log	Material Description	Depth (ft)
0.2	/SB-5 (2')					Silty Sandy Clay.Moderate Yellowish Brown. Moist, No odor. No staining.	-
0.4	/SB-5 (4')	$\sqrt{/\gamma}$		2			-2
0.1	, , ,	1		- 4			- 4
0	/SB-5 (8')			- 6			6
	700 0 (0)			8			8
2.3				- 10			- 10
2.3				- 12			- 12
4.5	SB-5 (13'-15')	Y		- 14			- 14
1.4				- 16 -		Sand Transitioning to Weathered Sandstone. Dusky Yellow to Light Olive Gray and Very Dusky Red.Moist. No Odor. No Staining.	- 16
1.6	SB-5 (18'-20')	Y		- 18			- 18
				- 20	· · · · ·		20
				- 22			22
0	SB-5 (23'-25')	Y		- 24			24
				26		Sandstone. Traces of Shale @ 45'-50'. Yellowish Gray to Light Olive Gray and Dark Yellowish Orange. Moist. Very Moist at 33 feet bgs. No Odor. No	26
0.7				28		Staining.	28
0.7	SB-5 (30'-33')	Y		30			30
0				32	· · · · · · · · · · · · · · · · · · ·		32
0				- 34	· · · · · · · · · · · · · · · · · · ·		34
0				- 36			- 36
0				- 38			38
				40			40
0				42	· · · · · · · · · · · · · · · · · · ·		42
0				- 44	· · · · · ·		44
0				46	· · · · ·		46
				- 48	· · · · · · · · · · · · · · · · · · ·		48
0	SB-5 (48'-50')	Y		50	· · · · ·		50
				- 52		TD at 50 ft bgs	- 52



DRILLING DATE 7/17/19, 8/14/19 DRILLING COMPANY HRL Compliance Solutions WEST COORDINATE 107.69090 W BORING METHOD Hand Auger/Coring TOTAL DEPTH 50 ft

NORTH COORDINATE 36.85352 N SURFACE COMPLETION NA LOGGED BY R.DEECHILLY SAMPLER R.DEECHILLY/C.D'APONTI

COMMEN 0 to 8 feet		was hydro	o-excavat	ed. Hand	auger wa	s utilized to collect samples from	
PID (ppm)	Samples	Analysed	0 000 00 00 00	Depth (ft)	Graphic Log	Material Description	Depth (ft)
0	/SB-6 (2')	/Y \				Silty Sandy Clay.Moderate Yellowish Brown. Moist, No odor. No staining.	
0	/SB-6 (4')	/Y \		-2			-2
0	• · · / · ·			- 4			-4
0	/SB-6 (8')			- 6			-6
	<u> </u>	/`		- 8			-8
0				- 10			- 10
0				- 12			- 12
0				- 14 		Sand Transitioning to Clause Silt with Tracco of Computert Conditions	- 14
0				16		Sand Transitioning to Clayey Silt with Traces of Competent Sandstone. Moderate Yellowish Brown. Dusky Yellow to Light Olive Gray and Dark	- 16
0				- 18		Yellowish Orange. Moist. No Odor. No Staining.	- 18
				20			- 20
0				- 22			- 22
0 0	SB-6 (24'-25')	Y		- 24		Weathered Sandstone to Sandstone. Traces of shale at 48 feet bgss.	24
0				- 26		Yellowish Gray to Light Olive Gray and Dark Yellowish Orange. Moist. Very Moist at 34 feet bgs. No Odor. No Staining.	- 26
0				- 28			28
1.6	SB-6 (30'-32')	Y		- 30			- 30
1.0				- 32			- 32
0.2				- 34			- 34
0.9				- 36	· · · · · · · · · · · · · · · · · · ·		- 36
1.0				- 38	· · · · · · · · · · · · · · · · · · ·		38
0				40	· · · · · ·		40
				42			42
0				- 44			44
0				46			46
				- 48			- 48
0	SB-6 (48'-50')	Y					50
				- 52		TD at 50 ft bgs	- 52



DRILLING DATE 7/17/19, 8/15/19, 8/21/19 DRILLING COMPANY HRL Compliance Solutions WEST COORDINATE 107.69083 W BORING METHOD Hand Auger/Coring TOTAL DEPTH 50 ft

NORTH COORDINATE 36.85357 N SURFACE COMPLETION NA LOGGED BY R.DEECHILLY SAMPLER R.DEECHILLY/C.D'APONTI

COMMEN 0 to 8 feet		was hydro	o-excavat	ed. Hand	auger wa	s utilized to collect samples from	
PID (ppm)	Samples	Analysed	0 000 000 000 000 000 000 000 000 000	Depth (ft)	Graphic Log	Material Description	Depth (ft)
0	/SB-7 (2')	/Y \				Silty Sandy Clay.Moderate Yellowish Brown. Moist, No odor. No staining.	
0	/SB-7 (4')			-2			-2
0				- 4			- 4
0	/SB-7 (8')			- 6			- 6
				- 8			- 8
3.2	SB-7 (10'-13')	Y		- 10			- 10
5.2				- 12			- 12
2.1				- 14			- 14
0				- 16	· · · ·	Sand Transitioning to Clayey Silt. Moderate Yellowish Brown. Dusky Yellow to Light Olive Gray and Dark Yellowish Orange. Moist. No Odor. No	- 16
2.2				- 18		Staining.	- 18
				20			20
2.6				- 22			- 22
1.7	SB-7 (23'-25')	Y		- 24		Weathered Sandstone to Sandstone. Yellowish Gray to Light Olive Gray and Dark Yellowish Orange. Moist. Very Moist at 35 feet bgs. No Odor. No	- 24
0				26	· · · ·	Staining.	_ 26
0				- 28	· · · ·		- 28
				- 30	· · · · · · · · · · · · · · · · · · ·		- 30
				- 32	· · · · ·		- 32
				34	· · · · ·		- 34
0				- 36			- 36
0				- 38			- 38
				- 40			- 40
0				- 42			- 42
0				 44	· · · · ·		- 44
				- 46	· · · · ·		- 46
0	SB-7 (47'-50')	Y		- 48	· · · · ·		- 48
0				 50	· · · ·		50
				- 52		TD at 50 ft bgs	- 52
	1	1		52			52



APPENDIX G

Laboratory Data Sheets & Chain of Custody Documentation

. Released to Imaging: 3/25/2022 10:45:46 AM



April 08, 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

RE: Sandstone CS

OrderNo.: 1904149

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/3/2019 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 1904149

Date Reported: 4/8/2019

CLIENT: ENSOLUM Project: Sandstone CS Lab ID: 1904149-001	Matrix: SOIL	(Collect		e: 4/2	-1 2/2019 4:20:00 PM 3/2019 8:10:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 7471: MERCURY						Analyst	: pmf
Mercury	ND	0.035		mg/Kg	1	4/4/2019 4:22:42 PM	44120
EPA METHOD 6010B: SOIL METAL	S					Analyst	ELS
Arsenic	ND	4.9		mg/Kg	2	4/4/2019 10:32:51 AM	44085
Barium	81	0.20		mg/Kg	2	4/4/2019 9:33:57 AM	44085
Cadmium	ND	0.20		mg/Kg	2	4/4/2019 9:33:57 AM	44085
Chromium	4.3	0.59		mg/Kg	2	4/4/2019 9:33:57 AM	44085
Lead	2.7	0.49		mg/Kg	2	4/4/2019 12:37:26 PM	44085
Selenium	ND	4.9		mg/Kg	2	4/4/2019 9:33:57 AM	44085
Silver	ND	0.49		mg/Kg	2	4/4/2019 9:33:57 AM	44085
EPA METHOD 8015D MOD: GASOL	INE RANGE					Analyst	DJF
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	4/3/2019 10:16:29 AM	GS5884′
Surr: BFB	100	70-130		%Rec	1	4/3/2019 10:16:29 AM	GS5884′
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS					Analyst	: Irm
Diesel Range Organics (DRO)	1100	980		mg/Kg	100) 4/3/2019 12:02:04 PM	44058
Motor Oil Range Organics (MRO)	25000	4900		mg/Kg	100) 4/3/2019 12:02:04 PM	44058
Surr: DNOP	0	70-130	S	%Rec	100	0 4/3/2019 12:02:04 PM	44058
EPA METHOD 8260B: VOLATILES	SHORT LIST					Analyst	DJF
Benzene	ND	0.016		mg/Kg	1	4/3/2019 10:16:29 AM	SLS5884
Toluene	ND	0.032		mg/Kg	1	4/3/2019 10:16:29 AM	SLS5884
Ethylbenzene	ND	0.032		mg/Kg	1	4/3/2019 10:16:29 AM	SLS5884
Xylenes, Total	ND	0.064		mg/Kg	1	4/3/2019 10:16:29 AM	SLS5884
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	4/3/2019 10:16:29 AM	SLS5884
Surr: Toluene-d8	93.4	70-130		%Rec	1	4/3/2019 10:16:29 AM	SLS5884

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

Е **Qualifiers:**

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

W

Page 60 of 187	Page	60	oj	f 18	7
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	WO#:	1904149
nvironmental Analysis Laboratory, Inc.		08-Apr-19

Client: ENSO Project: Sandst	LUM cone CS									
Sample ID: LCS-44058	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch	ID: 44	058	F	RunNo: 5	3853				
Prep Date: 4/3/2019	Analysis D	ate: 4/	3/2019	S	SeqNo: 1	978307	Units: mg/k	۲g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	101	63.9	124			
Surr: DNOP	4.7		5.000		94.0	70	130			
Sample ID: MB-44058	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batch	ID: 44	058	F	RunNo: 5	8853				
Prep Date: 4/3/2019	Analysis D	ate: 4/	3/2019	S	SeqNo: 1	978308	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	8.9		10.00		89.2	70	130			

Qualifiers:

- Value above quantitation range Е
- ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

- W Sample container temperature is out of limit as specified at testcode
- Н Holding times for preparation or analysis exceeded
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	1904149

08-Apr-19

Client:	ENSOLU										
Project:	Sandston	e CS									
Sample ID: 100ng	g Ics	Samp	Гуре: LC	S	Tes	tCode: El	PA Method	8260B: Vola	tiles Short	List	
Client ID: LCSS		Batc	h ID: SL	S58841	F	RunNo: 5	8841				
Prep Date:		Analysis [Date: 4/	3/2019	S	SeqNo: 1	980250	Units: mg/h	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.82	0.025	1.000	0	82.4	70	130			
Toluene		0.96	0.050	1.000	0	95.7	70	130			
Surr: 1,2-Dichloroeth	ane-d4	0.44		0.5000		88.5	70	130			
Surr: 4-Bromofluorob	oenzene	0.52		0.5000		105	70	130			
Surr: Dibromofluoron	nethane	0.42		0.5000		84.6	70	130			
Surr: Toluene-d8		0.47		0.5000		93.6	70	130			
Sample ID: 19041	49-001ams	Samp	Гуре: МS	3	Tes	tCode: El	PA Method	8260B: Vola	tiles Short	List	
Client ID: CS-1		Batc	h ID: SL	S58841	F	RunNo: 5	8841				
Prep Date:		Analysis [Date: 4/	3/2019	S	SeqNo: 1	980251	Units: mg/k	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.53	0.016	0.6435	0	81.8	68.9	131			
Toluene		0.60	0.032	0.6435	0	93.6	64.3	137			
Surr: 1,2-Dichloroeth	ane-d4	0.28		0.3218	-	88.4	70	130			
Surr: 4-Bromofluorob		0.32		0.3218		100	70	130			
Surr: Dibromofluoron		0.29		0.3218		88.8	70	130			
	nounano	0.20		0.0210							
Surr: Toluene-d8		0.30		0.3218		93.6	70	130			
	49-001amsd		Type: MS		Tes				tiles Short	List	
Surr: Toluene-d8 Sample ID: 19041 Client ID: CS-1	49-001amsd	I Samp	Гуре: МS h ID: SL	SD			PA Method	8260B: Vola	tiles Short	List	
Sample ID: 19041	49-001amsd	I Samp	h ID: SL	SD S58841	F	tCode: El RunNo: 5	PA Method 8841	8260B: Vola		List	
Sample ID: 19041 Client ID: CS-1 Prep Date:	49-001amsd	I Samp Batc Analysis [h ID: SL Date: 4/	SD S58841 3/2019	F	tCode: El RunNo: 5 SeqNo: 1	PA Method 8841 980252	8260B: Vola Units: mg/F	ζg		Qual
Sample ID: 19041 Client ID: CS-1 Prep Date: Analyte	49-001amsd	I Samp Batc Analysis [Result	h ID: SL	SD S58841 3/2019	F	tCode: El RunNo: 5 SeqNo: 1 %REC	PA Method 8841 980252 LowLimit	8260B: Vola Units: mg/k HighLimit	(g %RPD	RPDLimit	Qual
Sample ID: 19041 Client ID: CS-1 Prep Date: Analyte Benzene	49-001amsd	I Samp Batc Analysis I Result 0.51	h ID: SL Date: 4/ PQL 0.016	5D S58841 3/2019 SPK value 0.6435	F S SPK Ref Val 0	tCode: El RunNo: 5 SeqNo: 1 %REC 79.0	PA Method 8841 980252 LowLimit 68.9	8260B: Vola Units: mg/k HighLimit 131	(g <u>%RPD</u> 3.51	RPDLimit 20	Qual
Sample ID: 19041 Client ID: CS-1 Prep Date: Analyte Benzene Toluene		I Samp Batc Analysis I Result 0.51 0.59	h ID: SL Date: 4/ PQL	5D 558841 3/2019 SPK value 0.6435 0.6435	F S SPK Ref Val	tCode: El RunNo: 5 SeqNo: 1 %REC 79.0 91.1	PA Method 8841 980252 LowLimit 68.9 64.3	8260B: Vola Units: mg/k HighLimit 131 137	5g %RPD 3.51 2.67	RPDLimit 20 20	Qual
Sample ID: 19041 Client ID: CS-1 Prep Date: Analyte Benzene Foluene Surr: 1,2-Dichloroeth	nane-d4	I Samp Batc Analysis I Result 0.51 0.59 0.29	h ID: SL Date: 4/ PQL 0.016	5D 558841 3/2019 SPK value 0.6435 0.6435 0.3218	F S SPK Ref Val 0	tCode: El RunNo: 5 SeqNo: 19 <u>%REC</u> 79.0 91.1 89.1	PA Method 8841 980252 LowLimit 68.9 64.3 70	8260B: Volar Units: mg/k HighLimit 131 137 130	5g %RPD 3.51 2.67 0	RPDLimit 20 20 0	Qual
Sample ID: 19041 Client ID: CS-1 Prep Date: Analyte Benzene Toluene Surr: 1,2-Dichloroeth Surr: 4-Bromofluorob	nane-d4 penzene	I Samp Batc Analysis I Result 0.51 0.59 0.29 0.33	h ID: SL Date: 4/ PQL 0.016	SD S58841 3/2019 SPK value 0.6435 0.6435 0.3218 0.3218	F S SPK Ref Val 0	tCode: El RunNo: 5 SeqNo: 1 %REC 79.0 91.1 89.1 101	PA Method 8841 980252 LowLimit 68.9 64.3 70 70 70	8260B: Volar Units: mg/k HighLimit 131 137 130 130	5g %RPD 3.51 2.67 0 0	RPDLimit 20 20 0 0	Qual
Sample ID: 19041 Client ID: CS-1 Prep Date: Analyte Benzene Toluene Surr: 1,2-Dichloroeth	nane-d4 penzene	I Samp Batc Analysis I Result 0.51 0.59 0.29	h ID: SL Date: 4/ PQL 0.016	5D 558841 3/2019 SPK value 0.6435 0.6435 0.3218	F S SPK Ref Val 0	tCode: El RunNo: 5 SeqNo: 19 <u>%REC</u> 79.0 91.1 89.1	PA Method 8841 980252 LowLimit 68.9 64.3 70	8260B: Volar Units: mg/k HighLimit 131 137 130	5g %RPD 3.51 2.67 0	RPDLimit 20 20 0	Qual
Sample ID: 19041 Client ID: CS-1 Prep Date: Analyte Benzene Toluene Surr: 1,2-Dichloroeth Surr: 4-Bromofluorob Surr: Dibromofluoron Surr: Toluene-d8	nane-d4 penzene	I Samp Batc Analysis I Result 0.51 0.59 0.29 0.33 0.29 0.30	h ID: SL Date: 4/ <u>PQL</u> 0.016 0.032	SD S58841 3/2019 SPK value 0.6435 0.6435 0.3218 0.3218 0.3218 0.3218	F S SPK Ref Val 0 0	tCode: El RunNo: 5 SeqNo: 1 %REC 79.0 91.1 89.1 101 90.6 92.9	PA Method 8841 980252 LowLimit 68.9 64.3 70 70 70 70 70 70 70	8260B: Volar Units: mg/k HighLimit 131 137 130 130 130 130	5g 3.51 2.67 0 0 0 0	RPDLimit 20 20 0 0 0 0 0 0	Qual
Sample ID: 19041 Client ID: CS-1 Prep Date: Analyte Benzene Toluene Surr: 1,2-Dichloroeth Surr: 4-Bromofluorob Surr: Dibromofluoron Surr: Toluene-d8 Sample ID: rb	nane-d4 penzene	I Samp Batc Analysis I Result 0.51 0.59 0.29 0.33 0.29 0.30 Samp	h ID: SL Date: 4 / PQL 0.016 0.032	SD S58841 3/2019 SPK value 0.6435 0.6435 0.3218 0.3218 0.3218 0.3218 0.3218	F SPK Ref Val 0 0 Tes	tCode: El RunNo: 5 SeqNo: 1 %REC 79.0 91.1 89.1 101 90.6 92.9 tCode: El	PA Method 8841 980252 LowLimit 68.9 64.3 70 70 70 70 70 70	8260B: Volar Units: mg/k HighLimit 131 137 130 130 130	5g 3.51 2.67 0 0 0 0	RPDLimit 20 20 0 0 0 0 0 0	Qual
Sample ID: 19041 Client ID: CS-1 Prep Date: Analyte Benzene Toluene Surr: 1,2-Dichloroeth Surr: 4-Bromofluorob Surr: Dibromofluoron Surr: Toluene-d8	nane-d4 penzene	I Samp Batc Analysis I Result 0.51 0.59 0.29 0.33 0.29 0.30 Samp	h ID: SL Date: 4/ PQL 0.016 0.032	SD S58841 3/2019 SPK value 0.6435 0.6435 0.3218 0.3218 0.3218 0.3218 0.3218 SLK S58841	F SPK Ref Val 0 0 Tes F	tCode: El RunNo: 5 SeqNo: 1 %REC 79.0 91.1 89.1 101 90.6 92.9	PA Method 8841 980252 LowLimit 68.9 64.3 70 70 70 70 70 70 70 8841	8260B: Volar Units: mg/k HighLimit 131 137 130 130 130 130	5g 3.51 2.67 0 0 0 0	RPDLimit 20 20 0 0 0 0 0 0	Qual
Sample ID: 19041 Client ID: CS-1 Prep Date: Analyte Benzene Toluene Surr: 1,2-Dichloroeth Surr: 4-Bromofluorob Surr: Dibromofluoron Surr: Toluene-d8 Sample ID: rb Client ID: PBS	nane-d4 penzene	I Samp Batc Analysis I Result 0.51 0.59 0.29 0.33 0.29 0.30 Samp Batc	h ID: SL Date: 4/ PQL 0.016 0.032	SD S58841 3/2019 SPK value 0.6435 0.6435 0.3218 0.3218 0.3218 0.3218 0.3218 3258841 3/2019	F SPK Ref Val 0 0 Tes F	tCode: El RunNo: 5 SeqNo: 1 %REC 79.0 91.1 89.1 101 90.6 92.9 tCode: El RunNo: 5	PA Method 8841 980252 LowLimit 68.9 64.3 70 70 70 70 70 70 70 8841	8260B: Volar Units: mg/k HighLimit 131 137 130 130 130 130 130 8260B: Volar	5g 3.51 2.67 0 0 0 0	RPDLimit 20 20 0 0 0 0 0 0	Qual
Sample ID: 19041 Client ID: CS-1 Prep Date: Analyte Benzene Toluene Surr: 1,2-Dichloroeth Surr: 2-Dichloroeth Surr: Dibromofluoron Surr: Toluene-d8 Sample ID: rb Client ID: PBS Prep Date: Analyte	nane-d4 penzene	I Samp Batc Analysis I Result 0.51 0.59 0.29 0.33 0.29 0.30 Samp Batc Analysis I Result	h ID: SL Date: 4/ PQL 0.016 0.032 Fype: ME h ID: SL Date: 4/ PQL	SD S58841 3/2019 SPK value 0.6435 0.6435 0.3218 0.3218 0.3218 0.3218 0.3218 3258841 3/2019	F SPK Ref Val 0 0 Tes F S	tCode: El RunNo: 5 SeqNo: 1 %REC 79.0 91.1 89.1 101 90.6 92.9 tCode: El RunNo: 5 SeqNo: 1	PA Method 8841 980252 LowLimit 68.9 64.3 70 70 70 70 70 70 70 70 70 8841 980253	8260B: Volar Units: mg/k HighLimit 131 137 130 130 130 130 130 8260B: Volar Units: mg/k	5g 3.51 2.67 0 0 0 0 0 tiles Short	RPDLimit 20 20 0 0 0 0 0 0 0 D D 20 0 0 0 0 D	
Sample ID: 19041 Client ID: CS-1 Prep Date: Analyte Benzene Toluene Surr: 1,2-Dichloroeth Surr: 2-Dichloroeth Surr: Dibromofluoron Surr: Toluene-d8 Sample ID: rb Client ID: PBS Prep Date: Analyte Benzene	nane-d4 penzene	I Samp Batc Analysis I Result 0.51 0.59 0.29 0.33 0.29 0.30 Samp Batc Analysis I Result ND	h ID: SL Date: 4/ PQL 0.016 0.032 Fype: ME h ID: SL Date: 4/ PQL 0.025	SD S58841 3/2019 SPK value 0.6435 0.6435 0.3218 0.3218 0.3218 0.3218 0.3218 3258841 3/2019	F SPK Ref Val 0 0 Tes F S	tCode: El RunNo: 5 SeqNo: 1 %REC 79.0 91.1 89.1 101 90.6 92.9 tCode: El RunNo: 5 SeqNo: 1	PA Method 8841 980252 LowLimit 68.9 64.3 70 70 70 70 70 70 70 70 70 8841 980253	8260B: Volar Units: mg/k HighLimit 131 137 130 130 130 130 130 8260B: Volar Units: mg/k	5g 3.51 2.67 0 0 0 0 0 tiles Short	RPDLimit 20 20 0 0 0 0 0 0 0 D D 20 0 0 0 0 D	
Sample ID: 19041 Client ID: CS-1 Prep Date: Analyte Benzene Toluene Surr: 1,2-Dichloroeth Surr: 4-Bromofluorob Surr: Dibromofluoron Surr: Toluene-d8 Sample ID: rb Client ID: PBS Prep Date: Analyte	nane-d4 penzene	I Samp Batc Analysis I Result 0.51 0.59 0.29 0.33 0.29 0.30 Samp Batc Analysis I Result	h ID: SL Date: 4/ PQL 0.016 0.032 Fype: ME h ID: SL Date: 4/ PQL	SD S58841 3/2019 SPK value 0.6435 0.6435 0.3218 0.3218 0.3218 0.3218 0.3218 3258841 3/2019	F SPK Ref Val 0 0 Tes F S	tCode: El RunNo: 5 SeqNo: 1 %REC 79.0 91.1 89.1 101 90.6 92.9 tCode: El RunNo: 5 SeqNo: 1	PA Method 8841 980252 LowLimit 68.9 64.3 70 70 70 70 70 70 70 70 70 8841 980253	8260B: Volar Units: mg/k HighLimit 131 137 130 130 130 130 130 8260B: Volar Units: mg/k	5g 3.51 2.67 0 0 0 0 0 tiles Short	RPDLimit 20 20 0 0 0 0 0 0 0 D D 20 0 0 0 0 D	

Qualifiers:

E Value above quantitation range

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

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

PQL Practical Quanitative Limit S

% Recovery outside of range due to dilution or matrix

Project: Sa	indstone CS									
Sample ID: rb	SampT	ype: MI	BLK	Tes	tCode: EF	PA Method	8260B: Vola	tiles Short	List	
Client ID: PBS	Batch	n ID: SL	.S58841	R	RunNo: 5	8841				
Prep Date:	Analysis D	ate: 4/	/3/2019	S	SeqNo: 19	980253	Units: mg/#	٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d	0.43		0.5000		85.2	70	130			
Surr: 4-Bromofluorobenzer	ne 0.51		0.5000		101	70	130			
Surr: Dibromofluorometha	ne 0.42		0.5000		84.0	70	130			
Surr: Toluene-d8	0.48		0.5000		95.8	70	130			

Qualifiers:

- Value above quantitation range Е
- ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

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

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

Client:

	WO#:	1904149	
ronmental Analysis Laboratory, Inc.		08-Apr-19	
ENSOLUM			

Project: Sandsto	ne CS			
Sample ID: MB-44120	SampType: MBLK	TestCode: EPA Method	7471: Mercury	
Client ID: PBS	Batch ID: 44120	RunNo: 58906		
Prep Date: 4/4/2019	Analysis Date: 4/4/2019	SeqNo: 1980133	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Mercury	ND 0.033			
Sample ID: LLLCS-44120	SampType: LCSLL	TestCode: EPA Method	7471: Mercury	
Client ID: BatchQC	Batch ID: 44120	RunNo: 58906		
Prep Date: 4/4/2019	Analysis Date: 4/4/2019	SeqNo: 1980134	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Mercury	ND 0.033 0.006660	0 107 70	130	
Sample ID: LCS-44120	SampType: LCS	TestCode: EPA Method	7471: Mercury	
Client ID: LCSS	Batch ID: 44120	RunNo: 58906		
Prep Date: 4/4/2019	Analysis Date: 4/4/2019	SeqNo: 1980135	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Mercury	0.17 0.033 0.1667	0 99.8 80	120	

Qualifiers:

Value above quantitation range Е

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

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

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

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WO#:	1904149
	00 4 10

08-Apr-1	9
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Client: Project:	ENSOLU Sandston										
Sample ID:			ype: ME	3LK	Tes	tCode: El	PA Method	6010B: Soil	Metals		
Client ID:			h ID: 44			RunNo: 5					
	-										
Prep Date:	4/3/2019	Analysis D	Date: 4/	4/2019	2	SeqNo: 19	979637	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic		ND	2.5								
Barium		ND	0.10								
Cadmium		ND	0.10								
Chromium		ND	0.30								
Selenium		ND	2.5								
Silver		ND	0.25								
Sample ID:	LCS-44085	SampT	ype: LC	s	Tes	tCode: El	PA Method	6010B: Soil I	Metals		
Client ID:	LCSS	Batch	h ID: 44	085	F	RunNo: 58	8886				
Prep Date:	4/3/2019	Analysis D	Date: 4/	4/2019	S	SeqNo: 1	979638	Units: mg/K	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic		25	2.5	25.00	0	100	80	120			
Barium		25	0.10	25.00	0	98.3	80	120			
Cadmium		26	0.10	25.00	0	102	80	120			
Chromium		25	0.30	25.00	0	101	80	120			
Selenium		25	2.5	25.00	0	101	80	120			
Silver		5.1	0.25	5.000	0	102	80	120			
Sample ID:	MB-44085	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	6010B: Soil I	Metals		
Client ID:	PBS	Batch	h ID: 44	085	F	RunNo: 5	8886				
Prep Date:	4/3/2019	Analysis D	Date: 4/	4/2019	S	SeqNo: 19	979846	Units: mg/K	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead		ND	0.25								
Sample ID:	LCS-44085	SampT	ype: LC	s	Tes	tCode: El	PA Method	6010B: Soil	Metals		
Client ID:	LCSS	Batcl	h ID: 44	085	F	RunNo: 5	8886				
Prep Date:	4/3/2019	Analysis E	Date: 4/	4/2019	5	SeqNo: 19	979847	Units: mg/K	ζg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
7 that yes											

Qualifiers:

E Value above quantitation range

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

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

H Holding times for preparation or analysis exceeded

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

	ENSOLUM									
Project: S	andstone CS									
Sample ID: rb	Samp	Type: ME	BLK	Tes	tCode: El	PA Method	8015D Mod:	Gasoline	Range	
Client ID: PBS	Bate	ch ID: GS	58841	F	RunNo: 5	8841				
Prep Date:	Analysis	Date: 4/	3/2019	S	SeqNo: 1	982271	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	490		500.0		98.4	70	130			
Sample ID: 2.5ug gro	olcs Samp	Type: LC	s	Tes	tCode: El	PA Method	8015D Mod:	Gasoline	Range	
Client ID: LCSS	Bate	ch ID: GS	58841	F	RunNo: 5	8841				
Prep Date:	Analysis	Date: 4/	3/2019	5	SeqNo: 1	982272	Units: mg/k	٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) 23	5.0	25.00	0	90.2	70	130			
Surr: BFB	510		500.0		103	70	130			

Qualifiers:

E Value above quantitation range

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

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

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

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1904149

08-Apr-19

WO#:

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eived by OCD: 8/10/2020 9:33:34 AM HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental . Albu TEL: 505-345-3975 Website: www.hau	49(querq FAX:)1 Hawkins NE pue, NM 87109 505-345-4107	Sar	<i>P</i> mple Log-In Check List
Client Name: ENSOLUM AZTEC	Work Order Number:	190	4149		RcptNo: 1
Received By: Anne Thorne	4/3/2019 8:10:00 AM		C	Ione II.	
Completed By: Anne Thorne Reviewed By: DAD 4/3/19 Labeled by: A-04/03/19	4/3/2019 8:24:54 AM		C	Aere I. Aere I.	· · · ·
Chain of Custody					
1. Is Chain of Custody complete?		Yes		No 🗌	Not Present
2. How was the sample delivered?		Cou			
Log In 3. Was an attempt made to cool the samples?		Yes		No 🗌	
4. Were all samples received at a temperature of	F >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	preserved?	Yes		No 🗌	
8. Was preservative added to bottles?		Yes		No 🗹	NA 🗌
9. VOA vials have zero headspace?		Yes		No 🗌	No VOA Vials 🗹
 Were any sample containers received broken? 	?	Yes		No 🗹	# of preserved bottles checked
 Does paperwork match bottle labels? (Note discrepancies on chain of custody) 		Yes		No 🗌	for pH: (<2 or >12 unless note
2. Are matrices correctly identified on Chain of Ca	ustody?	Yes	V 1	No 🗌	Adjusted?
3. Is it clear what analyses were requested?		Yes	V	No 🗆	
4. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes	1	No 🗌	Checked by:
Special Handling (if applicable)					
15. Was client notified of all discrepancies with thi	s order?	Yes		No 🗌	NA 🗹
Person Notified: By Whom: Regarding:	Date Via: [] eMa	ail 🛄 Phone	🗌 Fax	
Client Instructions:		~~~~		*****	
16. Additional remarks:					
CUSTODY SEALS ON SOIL JARS/at 4/ 17. <u>Cooler Information</u>					
the second s	lintact Seal No Se	eal Di	ate Sign	ed By	

Page 1 of 1

4				ASAP	-metcl	5													
Chain-of-Custod	y Record	Turn-Around	Time:	100%	тен /вт	EX			н	A		EN	VТ	PO			NT		lecen
Client: Ensolum,LLC		Standard		<u> </u>	19												TO		
· · · · ·		Project Name	e:	•			-					enviro							0
Mailing Address: 606 S. 2	olorando	Sandst	one CS				49	01 H				Albuc				7109			CD: 8
Suite A, Aztec, NM		Project #:]			5-34					5-345					/10/
Phone #:	<u> </u>											nalysi				1			2020
email or Fax#: CSUMMERSE	ensolumicom	Project Mana	iger: KSu	nmers		<u>(</u>	ĝ			ĺ		SO4		ent)					9:33:34
QA/QC Package:						s (8021)	Ř	PCB's		§		PO4, 3		\bse			ľ		3:34
□ Standard □ Leve	I 4 (Full Validation)					Š				<u>IS</u>				nt/P					AN
Accreditation:		Sampler:	P-Deza	nilly			TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082	$\overline{\Xi}$	8270SIMS		NO23		Total Coliform (Present/Absent)					
□ NELAC □ Other			Yes	🗆 No			2	ss/8	204	þ			A	<u>}</u>					
□ EDD (Type)		# of Coolers:	 Ar work? addreamfielderen Benni Seine mit die er er im 		a constant	MTDE	0	icid.	ğ	310	leta	2 ₂	, <u>-</u>		Sel Sel				
		Cooler Temp					151	est	Meth	S S	28	ъÌŠ			ζ,				
		A-oฯlosiๆ Container	Preservative	HEAL	No.	BTEX4	1:8(<u></u>	EDB (Method 504.1)	PAHs by 8310 or	RCRA 8 Metals	Cl, F, Br, NO ₃ ,	8270 (Semi-VOA)		Ch lo rides				
Date Time Matrix Sampl	e Name		Туре	190414	9	BT	Id L	808	Ш Ш	₹	R	Se C	821	다 [j	\mathcal{O}				
42/19/1620 5 0		(2) 402 Jars	_ 600		-201	+	X)	\times								
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1/2/19 1940 Control Date: Time: Relinguished by:	<u>~</u>	Received by	<u>A WUU4</u> Via:	Date	7 184 0 Time			~		P⁄	ny W	ley.	- C	961	158	0			Pa
4/1/10 1906 / MAL-1	1 hal	/ / /	/	104/03	Í 19	Sf	łw	<u>e</u> C		SIL									Page 67
I gritti 1 grow	hull	_ M	n	- 0	8/0				¥-00	<u> </u>	-								
If necessary, samples submitted to Ha	II Environmental may be subco	ontracted to other ad	ccredited laboratori	es. This serves a	as notice of this	s possil	bility. /	Any sul	b-contra	acted	data w	ill be cle	arly no	tated or	the an	alytical	report.		787



April 08, 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: Sandstone CS

OrderNo.: 1904339

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/5/2019 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

Hall Environmental Analysis Laboratory, Ind	alysis Laboratory, Inc.	ntal Ana	Hall Environment
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Lab Order 1904339

Date Reported: 4/8/2019

CLIENT: ENSOLUM	Client Sample ID: S-1										
Project: Sandstone CS		(Collec	tion Dat	e: 4/4	/2019 3:45:00 PM					
Lab ID: 1904339-001	Matrix: SOIL		Recei	ved Dat	e: 4/5	5/2019 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	4/5/2019 10:28:24 AM	44147				
EPA METHOD 8015D MOD: GASOLINE F	RANGE					Analyst	RAA				
Gasoline Range Organics (GRO)	ND	17	D	mg/Kg	10	4/5/2019 1:52:15 PM	R58934				
Surr: BFB	101	70-130	D	%Rec	10	4/5/2019 1:52:15 PM	R58934				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	: Irm				
Diesel Range Organics (DRO)	450	200		mg/Kg	20	4/5/2019 1:17:28 PM	44142				
Motor Oil Range Organics (MRO)	10000	1000		mg/Kg	20	4/5/2019 1:17:28 PM	44142				
Surr: DNOP	0	70-130	S	%Rec	20	4/5/2019 1:17:28 PM	44142				
EPA METHOD 8260B: VOLATILES SHOP	RT LIST					Analyst	RAA				
Benzene	ND	0.17	D	mg/Kg	10	4/5/2019 1:52:15 PM	R58934				
Toluene	ND	0.17	D	mg/Kg	10	4/5/2019 1:52:15 PM	R58934				
Ethylbenzene	ND	0.17	D	mg/Kg	10	4/5/2019 1:52:15 PM	R58934				
Xylenes, Total	ND	0.51	D	mg/Kg	10	4/5/2019 1:52:15 PM	R58934				
Surr: 4-Bromofluorobenzene	103	70-130	D	%Rec	10	4/5/2019 1:52:15 PM	R58934				
Surr: Toluene-d8	96.6	70-130	D	%Rec	10	4/5/2019 1:52:15 PM	R58934				

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

Qualifiers:

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

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Client: ENS	SOLUM					
Project: San	dstone CS					
Sample ID: MB-44147	SampType: mblk	TestCode: EPA Method				
Client ID: PBS	Batch ID: 44147	RunNo: 58920				
Prep Date: 4/5/2019	Analysis Date: 4/5/2019	SeqNo: 1982048	Units: mg/Kg			
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual		
Chloride	ND 1.5					
Sample ID: LCS-44147	SampType: Ics TestCode: EPA Method 300.0: Anions					
Client ID: LCSS	Batch ID: 44147	RunNo: 58920				
Prep Date: 4/5/2019	Analysis Date: 4/5/2019	SeqNo: 1982049	Units: mg/Kg			
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual		
Chloride	14 1.5 15.00	0 92.7 90	110			

Qualifiers:

- E Value above quantitation range
- ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

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

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

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1904339

08-Apr-19

WO#:

Client:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Project: Sandstor	one CS					
Sample ID: LCS-44142	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch ID: 44142 RunNo: 58917					
Prep Date: 4/5/2019	Analysis Date: 4/5/2019 SeqNo: 1981087 Units: mg/Kg					
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual					
Diesel Range Organics (DRO)	49 10 50.00 0 97.4 63.9 124					
Surr: DNOP	4.4 5.000 87.5 70 130					
Sample ID: MB-44142	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: PBS	Batch ID: 44142 RunNo: 58917					
Prep Date: 4/5/2019	Analysis Date: 4/5/2019 SeqNo: 1981088 Units: mg/Kg					
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual					
Diesel Range Organics (DRO) Motor Oil Range Organics (MRO)	ND 10 ND 50					
Surr: DNOP	10 10.00 101 70 130					
Sample ID: LCS-44128	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS Prep Date: 4/4/2019	Batch ID: 44128 RunNo: 58917 Analysis Date: 4/5/2019 SeqNo: 1982023 Units: %Rec					
Analyte Surr: DNOP	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 4.3 5.000 86.1 70 130					
Sample ID: MB-44128	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: PBS	Batch ID: 44128 RunNo: 58917					
Prep Date: 4/4/2019	Analysis Date: 4/5/2019 SeqNo: 1982024 Units: %Rec					
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual					
Surr: DNOP	9.8 10.00 98.1 70 130					
Sample ID: LCS-44110	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch ID: 44110 RunNo: 58917					
Prep Date: 4/4/2019	Analysis Date: 4/6/2019 SeqNo: 1983117 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: MB-44110	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: PBS	Batch ID: 44110 RunNo: 58917					
Prep Date: 4/4/2019	Analysis Date: 4/6/2019 SeqNo: 1983118 Units: %Rec					
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual					
Surr: DNOP	9.1 10.00 90.9 70 130					

Qualifiers:

E Value above quantitation range ND Not Detected at the Reporting Limit Н Holding times for preparation or analysis exceeded

PQL Practical Quanitative 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

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WO#: 1904339 08-Apr-19

Client:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Project: Sand	lstone CS									
Sample ID: 100ng Ics	Ics SampType: LCS				TestCode: EPA Method 8260B: Volatiles Short List					
Client ID: LCSS	Batcl	Batch ID: R58934			RunNo: 58934					
Prep Date:	Analysis D	Analysis Date: 4/5/2019			SeqNo: 1981802			Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.025	1.000	0	83.7	70	130			
Toluene	0.99	0.050	1.000	0	99.4	70	130			
Surr: 1,2-Dichloroethane-d4	0.41		0.5000		82.2	70	130			
Surr: 4-Bromofluorobenzene	0.51		0.5000		102	70	130			
Surr: Dibromofluoromethane	0.43		0.5000		86.3	70	130			
Surr: Toluene-d8	0.48		0.5000		96.9	70	130			
Sample ID: rb	SampT	SampType: MBLK TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batcl	Batch ID: R58934			RunNo: 58934					
Prep Date:	Analysis D	Analysis Date: 4/5/2019			SeqNo: 1	981805	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: 1,2-Dichloroethane-d4	0.42		0.5000		84.3	70	130			
Surr: 4-Bromofluorobenzene	0.52		0.5000		103	70	130			
Surr: Dibromofluoromethane	0.43		0.5000		86.4	70	130			
Surr: Toluene-d8	0.49		0.5000		97.5	70	130			
Sample ID: Ics-44098	SampT	SampType: LCS			TestCode: EPA Method 8260B: Volatiles Short List					
Client ID: LCSS	Batcl	h ID: 44	098	RunNo: 58934						
Prep Date: 4/4/2019	Analysis D	Analysis Date: 4/5/2019			SeqNo: 1982755			Units: %Rec		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.44		0.5000		88.2	70	130			
Surr: 4-Bromofluorobenzene	0.51		0.5000		102	70	130			
Surr: Dibromofluoromethane	0.44		0.5000		88.1	70	130			
Surr: Toluene-d8	0.47		0.5000		95.0	70	130			
Sample ID: mb-44098	SampT	Гуре: МЕ	BLK	TestCode: EPA Method 8260B: Volatiles Short List						
Client ID: PBS	Batcl	Batch ID: 44098		RunNo: 58934						
Prep Date: 4/4/2019	Analysis D	Analysis Date: 4/5/2019			SeqNo: 1982756			Units: %Rec		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.45		0.5000		90.5	70	130			
Surr: 4-Bromofluorobenzene	0.52		0.5000		103	70	130			
Surr: Dibromofluoromethane	0.45		0.5000		89.8	70	130			
Surr: Toluene-d8	0.46		0.5000		93.0	70	130			

Qualifiers:

Е Value above quantitation range

ND Not Detected at the Reporting Limit

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

Н Holding times for preparation or analysis exceeded

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

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WO#: 1904339

08-Apr-19

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	1904339
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08-Apr-19

Client: ENSO Project: Sandst	LUM one CS		
Sample ID: 2.5ug gro Ics	SampType: LCS	TestCode: EPA Method	8015D Mod: Gasoline Range
Client ID: LCSS	Batch ID: R58934	RunNo: 58934	
Prep Date:	Analysis Date: 4/5/2019	SeqNo: 1981849	Units: mg/Kg
Analyte		SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO) Surr: BFB	23 5.0 25.00 490 500.0	0 93.0 70 98.8 70	130 130
		30.0 70	130
Sample ID: rb	SampType: MBLK		8015D Mod: Gasoline Range
Client ID: PBS	Batch ID: R58934	RunNo: 58934	
Prep Date:	Analysis Date: 4/5/2019	SeqNo: 1981850	Units: mg/Kg
Analyte		SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 500 500.0	99.7 70	130
Sample ID: Ics-44098	SampType: LCS		8015D Mod: Gasoline Range
Client ID: LCSS	Batch ID: 44098	RunNo: 58934	Lipito: 9/ Dec
Prep Date: 4/4/2019	Analysis Date: 4/5/2019	SeqNo: 1982789	Units: %Rec
Analyte Surr: BFB	Result PQL SPK value 500 500.0	SPK Ref Val %REC LowLimit 100 70	HighLimit %RPD RPDLimit Qual 130
Sample ID: Ics-44111	SampType: LCS		8015D Mod: Gasoline Range
Client ID: LCSS	Batch ID: 44111	RunNo: 58934	
Prep Date: 4/4/2019	Analysis Date: 4/6/2019	SeqNo: 1982790	Units: %Rec
Analyte Surr: BFB	Result PQL SPK value 510 500.0	SPK Ref Val %REC LowLimit 103 70	HighLimit %RPD RPDLimit Qual 130
JUII. DFD	510 500.0	103 70	130
Sample ID: mb-44111	SampType: MBLK	TestCode: EPA Method	8015D Mod: Gasoline Range
Client ID: PBS	Batch ID: 44111	RunNo: 58934	
Prep Date: 4/4/2019	Analysis Date: 4/6/2019	SeqNo: 1982791	Units: %Rec
Analyte		SPK Ref Val %REC LowLimit	
Surr: BFB	520 500.0	105 70	130
Sample ID: mb-44098	SampType: MBLK	TestCode: EPA Method	8015D Mod: Gasoline Range
Client ID: PBS	Batch ID: 44098	RunNo: 58934	
Prep Date: 4/4/2019	Analysis Date: 4/5/2019	SeqNo: 1982792	Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: BFB	500 500.0	99.8 70	130

Qualifiers:

E Value above quantitation range

ND Not Detected at the Reporting Limit

- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified at testcode W
- Н Holding times for preparation or analysis exceeded

PQL Practical Quanitative Limit S

% Recovery outside of range due to dilution or matrix

ANAL	RONMENTAL	Hall Environmental Alb TEL: 505-345-3975 Website: www.ho	490 uquerqi i FAX: .	Hawkins NE 1e, NM 87109 505-345-4107	Sar	nple Log-In Check List
Client Name:	ENSOLUM AZTEC	Work Order Number	1904	339		RcptNo: 1
Received By:	Anne Thorne	4/5/2019 8:30:00 AM		6	an A.	
Completed By:	Anne Thorne	4/5/2019 8:41:24 AM		/	Care X. Care X.	
Reviewed By:	30 4.5-19				and pro	
abiled	by: A5 04/0	-119				
hain of Cus	stody	s ny				
. Is Chain of C	Custody complete?		Yes	~	No 🗌	Not Present
How was the	sample delivered?		Cour	er		
Log In Was an atten	npt made to cool the sampl	es?	Yes	~	No 🗆	NA 🗆
Were all sam	ples received at a temperat	ure of ≥0°C to 60°C	Yes		No 🗌	
Sample(s) in	proper container(s)?		Yes	V	No 🛄	
Sufficient sam	nple volume for indicated te	st(s)?	Yes	~	No 🗌	
Are samples ((except VOA and ONG) pro	perly preserved?	Yes		No 🗌	
. Was preserva	ative added to bottles?		Yes		No 🔽	NA 🗌
VOA vials hav	ve zero headspace?		Yes		No 🗆	No VOA Vials 🗹
), Were any sar	mple containers received br	roken?	Yes	_	No 🗹	# of preserved
	ork match bottle labels? ancies on chain of custody)		Yes	v	No 🗌	for pH: (<2 or >12 unless noted)
	correctly identified on Chain		Yes	v	No 🗆	Adjusted?
	t analyses were requested?		Yes		No 🗌	
	ing times able to be met? ustomer for authorization.)		Yes	∠ 1	No 🗆	Checked by:
	ling (if applicable)		١			
	otified of all discrepancies w	vith this order?	Yes		No 🗌	NA 🗹
Person	Notified:	Date				
By Who	om:	Via:	eMa	Phone	🗌 Fax	In Person
Regard	ling:					
Client I	nstructions:	8				
δ. Additional re	marks: CUStude	y Seal intert		en Sa	I Je	w/ \$ 04 105/19
7. <u>Cooler Infor</u> Cooler No	CN IN LEVEL 6 CONTROL 102203 CANODON PCT	Seal Intact Seal No S	ieal Da	te Sign	ed By	
1	1.0 Good	Yes				

Page 1 of 1

| Client: Ensolum,LLC | | |

 | Ensolum, LLC Distandard Rush 4/5/19 | |

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April 26, 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

RE: Sandstone CS

OrderNo.: 1904A76

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 9 sample(s) on 4/23/2019 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 1904A76

Date Reported: 4/26/2019

CLIENT: ENSOLUM		Cl	ient Sample II	D: S-2	2	
Project: Sandstone CS		(Collection Dat	e: 4/2	22/2019 11:20:00 AM	
Lab ID: 1904A76-001	Matrix: SOIL		Received Dat	e: 4/2	23/2019 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	4/23/2019 10:38:54 AM	44484
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	JME
Diesel Range Organics (DRO)	12	9.3	mg/Kg	1	4/23/2019 10:26:47 AM	44480
Motor Oil Range Organics (MRO)	330	47	mg/Kg	1	4/23/2019 10:26:47 AM	44480
Surr: DNOP	119	70-130	%Rec	1	4/23/2019 10:26:47 AM	44480
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	3.8	mg/Kg	1	4/23/2019 8:34:31 AM	G59360
Surr: BFB	86.2	73.8-119	%Rec	1	4/23/2019 8:34:31 AM	G59360
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.019	mg/Kg	1	4/23/2019 8:34:31 AM	B59360
Toluene	ND	0.038	mg/Kg	1	4/23/2019 8:34:31 AM	B59360
Ethylbenzene	ND	0.038	mg/Kg	1	4/23/2019 8:34:31 AM	B59360
Xylenes, Total	ND	0.077	mg/Kg	1	4/23/2019 8:34:31 AM	B59360
Surr: 4-Bromofluorobenzene	86.1	80-120	%Rec	1	4/23/2019 8:34:31 AM	B59360

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

- 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 13

Lab Order 1904A76

Date Reported: 4/26/2019

CLIENT: ENSOLUM		Cl	ient Samp	le ID:	S	3	
Project: Sandstone CS		22/2019 11:25:00 AM					
Lab ID: 1904A76-002	Matrix: SOIL		Received	Date:	4/2	23/2019 8:05:00 AM	
Analyses	Result	RL	Qual Un	its 1	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	MRA
Chloride	ND	60	mg	/Kg	20	4/23/2019 10:51:19 AM	44484
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst:	JME
Diesel Range Organics (DRO)	56	20	mg	/Kg	2	4/23/2019 2:38:38 PM	44480
Motor Oil Range Organics (MRO)	1200	100	mg	/Kg	2	4/23/2019 2:38:38 PM	44480
Surr: DNOP	97.6	70-130	%F	lec	2	4/23/2019 2:38:38 PM	44480
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	NSB
Gasoline Range Organics (GRO)	ND	3.5	mg	/Kg	1	4/23/2019 8:58:06 AM	G59360
Surr: BFB	86.1	73.8-119	%F	lec	1	4/23/2019 8:58:06 AM	G59360
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	ND	0.018	mg	/Kg	1	4/23/2019 8:58:06 AM	B59360
Toluene	ND	0.035	mg	/Kg	1	4/23/2019 8:58:06 AM	B59360
Ethylbenzene	ND	0.035	mg	/Kg	1	4/23/2019 8:58:06 AM	B59360
Xylenes, Total	ND	0.070	mg	/Kg	1	4/23/2019 8:58:06 AM	B59360
Surr: 4-Bromofluorobenzene	85.6	80-120	%F	lec	1	4/23/2019 8:58:06 AM	B59360

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

- 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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 1904A76

Date Reported: 4/26/2019

CLIENT: ENSOLUM		Cl	ient S	ample II	D: S-4	4	
Project: Sandstone CS		(Collect	tion Dat	e: 4/2	22/2019 11:30:00 AM	
Lab ID: 1904A76-003	Matrix: SOIL		Recei	ved Dat	e: 4/2	23/2019 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	4/23/2019 11:03:43 AM	44484
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS					Analyst	JME
Diesel Range Organics (DRO)	1200	490		mg/Kg	50	4/23/2019 12:59:59 PM	44480
Motor Oil Range Organics (MRO)	22000	2500		mg/Kg	50	4/23/2019 12:59:59 PM	44480
Surr: DNOP	0	70-130	S	%Rec	50	4/23/2019 12:59:59 PM	44480
EPA METHOD 8015D: GASOLINE RAM	IGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	20		mg/Kg	5	4/23/2019 9:21:37 AM	G59360
Surr: BFB	87.4	73.8-119		%Rec	5	4/23/2019 9:21:37 AM	G59360
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.099		mg/Kg	5	4/23/2019 9:21:37 AM	B59360
Toluene	ND	0.20		mg/Kg	5	4/23/2019 9:21:37 AM	B59360
Ethylbenzene	ND	0.20		mg/Kg	5	4/23/2019 9:21:37 AM	B59360
Xylenes, Total	ND	0.40		mg/Kg	5	4/23/2019 9:21:37 AM	B59360
Surr: 4-Bromofluorobenzene	86.8	80-120		%Rec	5	4/23/2019 9:21:37 AM	B59360

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 1904A76

Date Reported: 4/26/2019

CLIENT: ENSOLUM Project: Sandstone CS	Client Sample ID: S-5 Collection Date: 4/22/2019 11:35:00 AM							
Lab ID: 1904A76-004	Matrix: SOIL		Received Dat	e: 4/2	23/2019 8:05:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	MRA		
Chloride	ND	61	mg/Kg	20	4/23/2019 11:16:08 AM	44484		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	JME		
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	4/23/2019 2:12:35 PM	44480		
Motor Oil Range Organics (MRO)	59	47	mg/Kg	1	4/23/2019 2:12:35 PM	44480		
Surr: DNOP	93.9	70-130	%Rec	1	4/23/2019 2:12:35 PM	44480		
EPA METHOD 8015D: GASOLINE RANGE	i i				Analyst	NSB		
Gasoline Range Organics (GRO)	ND	4.3	mg/Kg	1	4/23/2019 9:45:08 AM	G59360		
Surr: BFB	86.0	73.8-119	%Rec	1	4/23/2019 9:45:08 AM	G59360		
EPA METHOD 8021B: VOLATILES					Analyst	NSB		
Benzene	ND	0.021	mg/Kg	1	4/23/2019 9:45:08 AM	B59360		
Toluene	ND	0.043	mg/Kg	1	4/23/2019 9:45:08 AM	B59360		
Ethylbenzene	ND	0.043	mg/Kg	1	4/23/2019 9:45:08 AM	B59360		
Xylenes, Total	ND	0.086	mg/Kg	1	4/23/2019 9:45:08 AM	B59360		
Surr: 4-Bromofluorobenzene	86.5	80-120	%Rec	1	4/23/2019 9:45:08 AM	B59360		

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 1904A76

Date Reported: 4/26/2019

CLIENT: ENSOLUM		Cl	ient Sample II	D: S-	6	
Project: Sandstone CS		(Collection Dat	e: 4/2	22/2019 11:40:00 AM	
Lab ID: 1904A76-005	Matrix: SOIL		Received Dat	e: 4/2	23/2019 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	4/23/2019 11:28:32 AM	44484
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst:	JME
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	4/23/2019 2:53:51 PM	44480
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	4/23/2019 2:53:51 PM	44480
Surr: DNOP	111	70-130	%Rec	1	4/23/2019 2:53:51 PM	44480
EPA METHOD 8015D: GASOLINE RAM	IGE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	4/23/2019 10:08:39 AM	G59360
Surr: BFB	89.3	73.8-119	%Rec	1	4/23/2019 10:08:39 AM	G59360
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.023	mg/Kg	1	4/23/2019 10:08:39 AM	B59360
Toluene	ND	0.046	mg/Kg	1	4/23/2019 10:08:39 AM	B59360
Ethylbenzene	ND	0.046	mg/Kg	1	4/23/2019 10:08:39 AM	B59360
Xylenes, Total	ND	0.092	mg/Kg	1	4/23/2019 10:08:39 AM	B59360
Surr: 4-Bromofluorobenzene	90.3	80-120	%Rec	1	4/23/2019 10:08:39 AM	B59360

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

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Lab Order 1904A76

Date Reported: 4/26/2019

CLIENT: ENSOLUM Project: Sandstone CS	Client Sample ID: S-7 Collection Date: 4/22/2019 11:45:00 AM								
Lab ID: 1904A76-006	Matrix: SOIL		23/2019 8:05:00 AM						
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS						Analyst:	MRA		
Chloride	ND	61		mg/Kg	20	4/23/2019 11:40:57 AM	44484		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst:	JME		
Diesel Range Organics (DRO)	790	450		mg/Kg	50	4/23/2019 1:45:39 PM	44480		
Motor Oil Range Organics (MRO)	16000	2300		mg/Kg	50	4/23/2019 1:45:39 PM	44480		
Surr: DNOP	0	70-130	S	%Rec	50	4/23/2019 1:45:39 PM	44480		
EPA METHOD 8015D: GASOLINE RANGE	E					Analyst:	NSB		
Gasoline Range Organics (GRO)	ND	17		mg/Kg	5	4/23/2019 10:32:03 AM	G59360		
Surr: BFB	89.0	73.8-119		%Rec	5	4/23/2019 10:32:03 AM	G59360		
EPA METHOD 8021B: VOLATILES						Analyst:	NSB		
Benzene	ND	0.087		mg/Kg	5	4/23/2019 10:32:03 AM	B59360		
Toluene	ND	0.17		mg/Kg	5	4/23/2019 10:32:03 AM	B59360		
Ethylbenzene	ND	0.17		mg/Kg	5	4/23/2019 10:32:03 AM	B59360		
Xylenes, Total	ND	0.35		mg/Kg	5	4/23/2019 10:32:03 AM	B59360		
Surr: 4-Bromofluorobenzene	89.6	80-120		%Rec	5	4/23/2019 10:32:03 AM	B59360		

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 1904A76

Date Reported: 4/26/2019

CLIENT: ENSOLUM		Cl	ient Sa	ample II	D: S-8	8				
Project: Sandstone CS	Collection Date: 4/22/2019 11:50:00 AM									
Lab ID: 1904A76-007	Matrix: SOIL		23/2019 8:05:00 AM							
Analyses	Result	RL	RL Qual Units		DF Date Analyzed		Batch			
EPA METHOD 300.0: ANIONS						Analyst	MRA			
Chloride	ND	60		mg/Kg	20	4/23/2019 11:53:21 AM	44484			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	JME			
Diesel Range Organics (DRO)	490	470		mg/Kg	50	4/23/2019 12:31:36 PM	44480			
Motor Oil Range Organics (MRO)	10000	2300		mg/Kg	50	4/23/2019 12:31:36 PM	44480			
Surr: DNOP	0	70-130	S	%Rec	50	4/23/2019 12:31:36 PM	44480			
EPA METHOD 8015D: GASOLINE RANGE	E					Analyst	NSB			
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	4/23/2019 10:55:23 AM	G59360			
Surr: BFB	87.9	73.8-119		%Rec	1	4/23/2019 10:55:23 AM	G59360			
EPA METHOD 8021B: VOLATILES						Analyst	NSB			
Benzene	ND	0.019		mg/Kg	1	4/23/2019 10:55:23 AM	B59360			
Toluene	ND	0.038		mg/Kg	1	4/23/2019 10:55:23 AM	B59360			
Ethylbenzene	ND	0.038		mg/Kg	1	4/23/2019 10:55:23 AM	B59360			
Xylenes, Total	ND	0.076		mg/Kg	1	4/23/2019 10:55:23 AM	B59360			
Surr: 4-Bromofluorobenzene	87.6	80-120		%Rec	1	4/23/2019 10:55:23 AM	B59360			

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

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Lab Order 1904A76

Date Reported: 4/26/2019

CLIENT: ENSOLUM Project: Sandstone CS	Client Sample ID: S-9 Collection Date: 4/22/2019 11:55:00 AM								
Lab ID: 1904A76-008	Matrix: SOIL								
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS						Analyst	MRA		
Chloride	ND	60		mg/Kg	20	4/23/2019 12:05:46 PM	44484		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	JME		
Diesel Range Organics (DRO)	570	490		mg/Kg	50	4/23/2019 1:21:38 PM	44480		
Motor Oil Range Organics (MRO)	11000	2500		mg/Kg	50	4/23/2019 1:21:38 PM	44480		
Surr: DNOP	0	70-130	S	%Rec	50	4/23/2019 1:21:38 PM	44480		
EPA METHOD 8015D: GASOLINE RANGE	E					Analyst	NSB		
Gasoline Range Organics (GRO)	ND	19		mg/Kg	5	4/23/2019 11:18:42 AM	G59360		
Surr: BFB	87.7	73.8-119		%Rec	5	4/23/2019 11:18:42 AM	G59360		
EPA METHOD 8021B: VOLATILES						Analyst	NSB		
Benzene	ND	0.097		mg/Kg	5	4/23/2019 11:18:42 AM	B59360		
Toluene	ND	0.19		mg/Kg	5	4/23/2019 11:18:42 AM	B59360		
Ethylbenzene	ND	0.19		mg/Kg	5	4/23/2019 11:18:42 AM	B59360		
Xylenes, Total	ND	0.39		mg/Kg	5	4/23/2019 11:18:42 AM	B59360		
Surr: 4-Bromofluorobenzene	87.5	80-120		%Rec	5	4/23/2019 11:18:42 AM	B59360		

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 1904A76

Date Reported: 4/26/2019

CLIENT: ENSOLUM		Cl	ient Sa	ample II	D: S-1	10				
Project: Sandstone CS	Collection Date: 4/22/2019 12:00:00 PM									
Lab ID: 1904A76-009	Matrix: SOIL		Received Date: 4/23/2019 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	4/23/2019 12:43:01 PM	44484			
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst:	JME			
Diesel Range Organics (DRO)	810	460		mg/Kg	50	4/23/2019 1:45:18 PM	44480			
Motor Oil Range Organics (MRO)	19000	2300		mg/Kg	50	4/23/2019 1:45:18 PM	44480			
Surr: DNOP	0	70-130	S	%Rec	50	4/23/2019 1:45:18 PM	44480			
EPA METHOD 8015D: GASOLINE RANG	GE					Analyst:	NSB			
Gasoline Range Organics (GRO)	ND	19		mg/Kg	5	4/23/2019 11:42:08 AM	G59360			
Surr: BFB	85.5	73.8-119		%Rec	5	4/23/2019 11:42:08 AM	G59360			
EPA METHOD 8021B: VOLATILES						Analyst:	NSB			
Benzene	ND	0.097		mg/Kg	5	4/23/2019 11:42:08 AM	B59360			
Toluene	ND	0.19		mg/Kg	5	4/23/2019 11:42:08 AM	B59360			
Ethylbenzene	ND	0.19		mg/Kg	5	4/23/2019 11:42:08 AM	B59360			
Xylenes, Total	ND	0.39		mg/Kg	5	4/23/2019 11:42:08 AM	B59360			
Surr: 4-Bromofluorobenzene	84.6	80-120		%Rec	5	4/23/2019 11:42:08 AM	B59360			

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

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Client:	ENS	OLUM									
Project:	Sanc	lstone CS									
Sample ID:	MB-44484	SampTy	/pe: ME	BLK	Tes	tCode: EF	A Method	300.0: Anion	s		
Client ID:	PBS	Batch	ID: 44	484	F	RunNo: 59	358				
Prep Date:	4/23/2019	Analysis Da	ate: 4/	23/2019	S	SeqNo: 20	00323	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-44484	SampTy	/pe: LC	s	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	ID: 44	484	F	RunNo: 59	358				
Prep Date:	4/23/2019	Analysis Da	ate: 4/	23/2019	S	SeqNo: 20	00324	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	95.6	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

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1904A76

26-Apr-19

WO#:

on range

Reporting Limit

L.		WO#:	1904A76
Hall Env	vironmental Analysis Laboratory, Inc.		26-Apr-19
Client:	ENSOLUM		

Project: Sandsto	ne CS									
Sample ID: MB-44480	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batch ID: 44480			F	RunNo: 59341					
Prep Date: 4/23/2019	Analysis D	ate: 4/	23/2019	5	SeqNo: 1	998796	Units: mg/k	٤g		
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	10		10.00		103	70	130			
Sample ID: LCS-44480	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch	n ID: 44	480	F	RunNo: 5	9341				
Prep Date: 4/23/2019	Analysis D	ate: 4/	23/2019	5	SeqNo: 1	998797	Units: mg/k	٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.5	63.9	124			
Surr: DNOP	4.5		5.000		89.9	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

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc

Page	88	of	180
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	WO#:	1904A76
, Inc.		26-Apr-19

Client:	ENSOLU										
Project:	Sandstone	CS									
Sample ID: RB		SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS		Batch	ID: G5	9360	F	unNo: 59	9360				
Prep Date:		Analysis D	ate: 4/	23/2019	S	eqNo: 19	999550	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Orga Surr: BFB	nics (GRO)	ND 890	5.0	1000		89.2	73.8	119			
								-			
Sample ID: 2.5U		•	ype: LC					8015D: Gaso	line Rang	e	
Client ID: LCS			ID: G5			tunNo: 5 9					
Prep Date:		Analysis D	ate: 4/	23/2019	5	eqNo: 19	999551	Units: mg/K	g		
Analyte		Result	PQL		SPK Ref Val		LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Orga	nics (GRO)	25	5.0	25.00	0	100	80.1	123			
Surr: BFB		1000		1000		103	73.8	119			
Sample ID: 1904	A76-001AMS	SampT	уре: МS	6	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: S-2		Batch	ID: G5	9360	F	unNo: 5 9	9360				
Prep Date:		Analysis D	ate: 4/	23/2019	S	eqNo: 19	999552	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Orga	nics (GRO)	18	3.8	19.16	0	96.0	69.1	142			
Surr: BFB		770		766.3		101	73.8	119			
Sample ID: 1904	A76-001AMSD	SampT	уре: МS	SD	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: S-2		Batch	ID: G5	9360	F	unNo: 59	9360				
Prep Date:		Analysis D	ate: 4/	23/2019	S	eqNo: 1	999553	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Orga	nics (GRO)	18	3.8	19.16	0	95.6	69.1	142	0.376	20	
Surr: BFB		730		766.3		95.1	73.8	119	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

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

:	1904A76
20	6-Apr-19

Client:	ENSOLU	М									
Project:	Sandstone	e CS									
Completio		Comm	T		Tee			0004 D. Valar	-		
Sample ID:		-	Type: ME					8021B: Volat	lles		
Client ID:	PBS		ch ID: B5			RunNo: 5 9			_		
Prep Date:		Analysis I	Date: 4/	23/2019	5	SeqNo: 19	999584	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-Bron	nofluorobenzene	0.88		1.000		88.0	80	120			
Sample ID:	100NG BTEX LCS	Samp	Туре: LC	S	Tes	tCode: EF	PA Method	8021B: Volat	tiles		
Client ID:	LCSS	Batc	ch ID: B5	9360	F	RunNo: 5 9	9360				
Prep Date:		Analysis I	Date: 4/	23/2019	S	SeqNo: 19	999585	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.87	0.025	1.000	0	87.3	80	120			
Toluene		0.91	0.050	1.000	0	91.4	80	120			
Ethylbenzene		0.91	0.050	1.000	0	91.0	80	120			
Xylenes, Total		2.8	0.10	3.000	0	91.9	80	120			
Surr: 4-Bron	nofluorobenzene	0.88		1.000		87.8	80	120			
Sample ID:	1904A76-002AMS	Samp	Туре: МS	6	Tes	tCode: EF	PA Method	8021B: Volat	tiles		
Client ID:	S-3	Batc	h ID: B5	9360	F	RunNo: 59	9360				
Prep Date:		Analysis I	Date: 4/	23/2019	S	SeqNo: 19	999586	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.62	0.018	0.7013	0	89.0	63.9	127			
Toluene		0.66	0.035	0.7013	0.007784	92.5	69.9	131			
Ethylbenzene		0.65	0.035	0.7013	0	92.8	71	132			
Xylenes, Total		2.0	0.070	2.104	0	93.1	71.8	131			
Surr: 4-Bron	nofluorobenzene	0.63		0.7013		90.4	80	120			
Sample ID:	1904A76-002AMSE) Samp	Туре: МS	SD	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID:	S-3		ch ID: B5		F	RunNo: 5 9	9360				
Prep Date:		Analysis I	Date: 4/	23/2019	S	SeqNo: 19	999587	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.62	0.018	0.7013	0	88.2	63.9	127	0.880	20	
Toluene		0.64	0.035	0.7013	0.007784	90.6	69.9	131	2.01	20	
Ethylbenzene		0.64	0.035	0.7013	0	91.4	71	132	1.44	20	
Xylenes, Total		1.9	0.070	2.104	0	92.3	71.8	131	0.881	20	
Surr: 4-Bron	nofluorobenzene	0.62		0.7013		88.4	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

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental A Albua TEL: 505-345-3975 J Website: www.hal	4901 querqu FAX	Hawkins e, NM 87 05-345-4	^{NE} 109 San 107	nple Log-In Check Li	st
Client Name: ENSOLUM AZTEC	Work Order Number:	1904	476		RcptNo: 1	-
Received By: Erin Melendrez 4	/23/2019 8:05:00 AM			in		
Completed By: Anne Thorne 4	/23/2019 8:14:26 AM			an In		
Reviewed By: DAD 4/23/19 Labeled by: AT 04/23, <u>Chain of Custody</u>	119	·				
1. Is Chain of Custody complete?		Yes	\checkmark	No 🗌	Not Present	
2. How was the sample delivered?		<u>Couri</u>	<u>ər</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 🗌		
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	
 Does paperwork match bottle labels? (Note discrepancies on chain of custody) 		Yes		No 🗆	bottles checked for pH: (<2 or >12 unless n	ote
12. Are matrices correctly identified on Chain of Cus	stody?	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:	
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:	eMa		none [] Fax		
16. Additional remarks: CUSTODY SEALS INTACT ON SOIL JAR	RS/at 4/24/19					
17. <u>Cooler Information</u> Cooler No Temp °C Condition Seat 1 1.6 Good Yes	Intact Seal No Se	al Da	e :	Signed By		

	hain-	of-Cu	stody Record	Turn-Around	Time:	VIJODIA					NI T	'A I									
Client:	E.e.	• • • • •		│ □ Standard	M Rusk	4/23)19 I SAMEDAY															
	<u>E 1150</u>	inut		Project Name			ANALYSIS LABORATORY					Y									
Moiling	Addross				stone CS		www.hallenvironmental.com														
wanny	Audress	6065	Biolerande, suit A				4901 Hawkins NE - Albuquerque, NM 87109														
Azt	ECNM	1 874	10	Project #: C	541226	2053		Τe	el. 50	05-34	45-39	975	F	ax	505	-345	-4107	7			
Phone		•										Α	naly	/sis	Req	ues	t				
email o	r Fax#:	KSumm	ers @ ensoium com	Project Manager: Ksummers				6					SO4			nt)					Т
	Package:						(8021)	MRO)	PCB's		4S					bse					
∃ Stan	ndard		Level 4 (Full Validation)				<u>ې</u>	ò			ISO		PO4,			It/A					
۱ccredi	itation:		mpliance	Sampler: T	2Deechi	Ily		/ DRO	Pesticides/8082	E	PAHs by 8310 or 8270SIMS		NO_{2}			(Present/Absent)					
I NEL		Other	•	On Ice:)ي Yes	eiño	I F	l õ	s/8	(Method 504.1)	P	ß	- 1		(YC	(Pr			· [
) (Type) _		,	# of Coolers:	1(CF=+	<u>OeD</u>	MTBE	TPH:8015D(GRO	cide	po	310	RCRA 8 Metals	NO ₃ ,	2	(Semi-VOA)	Coliform	l) I)	•			
					(Including CF).	(^e C	Į₽	15[esti	/leth	<u>8</u>	≥∣	Ъ.	(VOA)	Sen	olifc	75				
				Mis Hicks	Preservative	HEAL No.	X	1:8C		e B	ې ۲	A	ш	0	3) 0	al C	chlorid				
Date	Time	Matrix	Sample Name		Туре	1904ATU	BTEX	TPI	8081	EDB	ΡĂ	2 2 2	ວ໌	8260 (8270	Total	J				
122/19	1120	ഹ	S-2	1 Yoz Jar	Coal	20	X	\mathbf{X}									X		•		
	1125	5	° S - 3	1402 Jar	Coal	7.02	X	X				_					\times				
12/19	1130	S	S-4	1 402 Jur	Co 01	703	X	\mathbf{X}									X				
1/22/19	1135	S	S-5	1 Yoz Jar	6001	204	X	\prec									X				
1/22/19	1140	S	S-6	1402 Jar	Coai	てつろ	\checkmark	X									X				
1/2/19	1145	S	S-7	1402 Jar	cool	Telo	\mathbf{X}	X									\checkmark				
1/22/19	nso	5	S-8	1 402 Jar	Cool	-707	\checkmark	\mathbf{X}									\mathbf{X}				
1/22/19	1155	5	5-9	1 Yoz Jar	C00	- 708	X	\mathbf{X}									\checkmark				
122/101	1200	5	5-10	1402 Jur	C001	209	\checkmark	X									X				
					`																
			NES																\square	\perp	\downarrow
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ate:		Relinquish		Received by:	Via:	Date Time	Ren	nark	s:		F	2 M	- 7	108	· L	509 1158	(च	PZC	100		
122/19	1537	arm	remer	Mut	War-	7/22/19 1573					P.	ay X	ley-	G	61	1158	5				
ate:	Time:	Relinquish		Received by:	Viacourie	Date Time	Ç	AM	r= 0	A											
hala	4]	LUNN	MIMANA (UNA	5	417319	ر _ا	·	-	Ĕ.	,										



April 26, 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

RE: Sandstone CS

OrderNo.: 1904C01

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 5 sample(s) on 4/25/2019 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

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1904C01

Date Reported: 4/26/2019

CLIENT: ENSOLUM	Cl	Client Sample ID: S-11										
Project: Sandstone CS		(Collection Dat	t e: 4/2	24/2019 3:45:00 PM							
Lab ID: 1904C01-001	Matrix: SOIL	25/2019 8:10:00 AM										
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch						
EPA METHOD 300.0: ANIONS					Analyst	smb						
Chloride	ND	60	mg/Kg	20	4/25/2019 10:52:20 AM	44534						
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	том						
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	4/25/2019 9:52:26 AM	44533						
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	4/25/2019 9:52:26 AM	44533						
Surr: DNOP	109	70-130	%Rec	1	4/25/2019 9:52:26 AM	44533						
EPA METHOD 8015D: GASOLINE RANGE	1				Analyst	NSB						
Gasoline Range Organics (GRO)	ND	3.8	mg/Kg	1	4/25/2019 8:30:34 AM	44507						
Surr: BFB	88.2	73.8-119	%Rec	1	4/25/2019 8:30:34 AM	44507						
EPA METHOD 8021B: VOLATILES					Analyst	NSB						
Benzene	ND	0.019	mg/Kg	1	4/25/2019 8:30:34 AM	44507						
Toluene	ND	0.038	mg/Kg	1	4/25/2019 8:30:34 AM	44507						
Ethylbenzene	ND	0.038	mg/Kg	1	4/25/2019 8:30:34 AM	44507						
Xylenes, Total	ND	0.076	mg/Kg	1	4/25/2019 8:30:34 AM	44507						
Surr: 4-Bromofluorobenzene	87.5	80-120	%Rec	1	4/25/2019 8:30:34 AM	44507						

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 1904C01

Date Reported: 4/26/2019

CLIENT: ENSOLUM		C	lient Sa	mple II	D: S-1	12	
Project: Sandstone CS			Collecti	ion Dat	e: 4/2	24/2019 3:50:00 PM	
Lab ID: 1904C01-002	Matrix: SOIL		25/2019 8:10:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	smb
Chloride	ND	60		mg/Kg	20	4/25/2019 11:04:44 AM	44534
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	том
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/25/2019 10:14:36 AM	44533
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/25/2019 10:14:36 AM	44533
Surr: DNOP	110	70-130		%Rec	1	4/25/2019 10:14:36 AM	44533
EPA METHOD 8015D: GASOLINE RANG	E					Analyst	NSB
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	4/25/2019 8:53:54 AM	44507
Surr: BFB	83.8	73.8-119		%Rec	1	4/25/2019 8:53:54 AM	44507
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.017		mg/Kg	1	4/25/2019 8:53:54 AM	44507
Toluene	ND	0.034		mg/Kg	1	4/25/2019 8:53:54 AM	44507
Ethylbenzene	ND	0.034		mg/Kg	1	4/25/2019 8:53:54 AM	44507
Xylenes, Total	ND	0.067		mg/Kg	1	4/25/2019 8:53:54 AM	44507
Surr: 4-Bromofluorobenzene	83.0	80-120		%Rec	1	4/25/2019 8:53:54 AM	44507

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 1904C01

Date Reported: 4/26/2019

CLIENT: ENSOLUM Client Sample ID: S-13											
Project: Sandstone CS		(Collection Dat	e: 4/2	24/2019 3:55:00 PM						
Lab ID: 1904C01-003	Matrix: SOIL		Received Dat	25/2019 8:10:00 AM							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch					
EPA METHOD 300.0: ANIONS					Analyst	: smb					
Chloride	ND	60	mg/Kg	20	4/25/2019 11:17:09 AM	44534					
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	TOM					
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	4/25/2019 10:36:39 AM	44533					
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/25/2019 10:36:39 AM	44533					
Surr: DNOP	113	70-130	%Rec	1	4/25/2019 10:36:39 AM	44533					
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB					
Gasoline Range Organics (GRO)	ND	4.1	mg/Kg	1	4/25/2019 9:17:14 AM	44507					
Surr: BFB	86.2	73.8-119	%Rec	1	4/25/2019 9:17:14 AM	44507					
EPA METHOD 8021B: VOLATILES					Analyst	: NSB					
Benzene	ND	0.020	mg/Kg	1	4/25/2019 9:17:14 AM	44507					
Toluene	ND	0.041	mg/Kg	1	4/25/2019 9:17:14 AM	44507					
Ethylbenzene	ND	0.041	mg/Kg	1	4/25/2019 9:17:14 AM	44507					
Xylenes, Total	ND	0.081	mg/Kg	1	4/25/2019 9:17:14 AM	44507					
Surr: 4-Bromofluorobenzene	85.3	80-120	%Rec	1	4/25/2019 9:17:14 AM	44507					

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 1904C01

Date Reported: 4/26/2019

CLIENT: ENSOLUM												
Project: Sandstone CS		(Collection Dat	e: 4/2	24/2019 4:00:00 PM							
Lab ID: 1904C01-004	Matrix: SOIL	Received Date: 4/25/2019 8:10:00 AM										
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch						
EPA METHOD 300.0: ANIONS					Analyst:	smb						
Chloride	ND	60	mg/Kg	20	4/25/2019 11:29:33 AM	44534						
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	JME						
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	4/25/2019 9:57:09 AM	44533						
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	4/25/2019 9:57:09 AM	44533						
Surr: DNOP	102	70-130	%Rec	1	4/25/2019 9:57:09 AM	44533						
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	NSB						
Gasoline Range Organics (GRO)	ND	4.1	mg/Kg	1	4/25/2019 9:40:36 AM	44507						
Surr: BFB	87.8	73.8-119	%Rec	1	4/25/2019 9:40:36 AM	44507						
EPA METHOD 8021B: VOLATILES					Analyst:	NSB						
Benzene	ND	0.021	mg/Kg	1	4/25/2019 9:40:36 AM	44507						
Toluene	ND	0.041	mg/Kg	1	4/25/2019 9:40:36 AM	44507						
Ethylbenzene	ND	0.041	mg/Kg	1	4/25/2019 9:40:36 AM	44507						
Xylenes, Total	ND	0.082	mg/Kg	1	4/25/2019 9:40:36 AM	44507						
Surr: 4-Bromofluorobenzene	87.7	80-120	%Rec	1	4/25/2019 9:40:36 AM	44507						

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 1904C01

Date Reported: 4/26/2019

CLIENT: ENSOLUM											
Project: Sandstone CS			Collection Da	te: 4/2	24/2019 4:05:00 PM						
Lab ID: 1904C01-005	Matrix: SOIL	Received Date: 4/25/2019 8:10:00 AM									
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch					
EPA METHOD 300.0: ANIONS					Analyst	: smb					
Chloride	ND	60	mg/Kg	20	4/25/2019 11:41:58 AM	44534					
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: JME					
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	4/25/2019 10:27:58 AM	44533					
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	4/25/2019 10:27:58 AM	44533					
Surr: DNOP	102	70-130	%Rec	1	4/25/2019 10:27:58 AM	44533					
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB					
Gasoline Range Organics (GRO)	ND	3.8	mg/Kg	1	4/25/2019 10:04:02 AM	44507					
Surr: BFB	84.7	73.8-119	%Rec	1	4/25/2019 10:04:02 AM	44507					
EPA METHOD 8021B: VOLATILES					Analyst	NSB					
Benzene	ND	0.019	mg/Kg	1	4/25/2019 10:04:02 AM	44507					
Toluene	ND	0.038	mg/Kg	1	4/25/2019 10:04:02 AM	44507					
Ethylbenzene	ND	0.038	mg/Kg	1	4/25/2019 10:04:02 AM	44507					
Xylenes, Total	ND	0.077	mg/Kg	1	4/25/2019 10:04:02 AM	44507					
Surr: 4-Bromofluorobenzene	84.6	80-120	%Rec	1	4/25/2019 10:04:02 AM	44507					

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:	Sand	lstone CS									
Sample ID:	MB-44534	SampT	ype: MI	BLK	Tes	tCode: EP	A Method	300.0: Anion	S		
Client ID:	PBS	Batch	n ID: 44	534	F	RunNo: 59	428				
Prep Date:	4/25/2019	Analysis D	ate: 4/	25/2019	S	SeqNo: 20	02547	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-44534	SampT	ype: LC	s	Tes	tCode: EP	A Method	300.0: Anion	s		
Client ID:	LCSS	Batch	n ID: 44	534	F	RunNo: 59	428				
Prep Date:	4/25/2019	Analysis D	ate: 4/	25/2019	5	SeqNo: 20	02548	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	95.2	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

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1904C01

26-Apr-19

WO#:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Page 99 0	I 1	ð	0

JKI	WO#:	1904C01	
ysis Laboratory, Inc.		26-Apr-19	

Client: Project:	ENSOLU Sandstone										
Sample ID:	LCS-44533	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID:	LCSS	Batch	n ID: 44	533	F	RunNo: 5	9419				
Prep Date:	4/25/2019	Analysis D	ate: 4/	25/2019	S	SeqNo: 20	001610	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	52	10	50.00	0	105	63.9	124			
Surr: DNOP		4.7		5.000		93.6	70	130			
Sample ID:	MB-44533	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID:	PBS	Batch	n ID: 44	533	F	RunNo: 5 9	9419				
Prep Date:	4/25/2019	Analysis D	ate: 4/	25/2019	S	SeqNo: 2	001611	Units: mg/k	ξg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	ND	10								
Motor Oil Rang	e Organics (MRO)	ND	50								
Surr: DNOP		11		10.00		110	70	130			
Sample ID:	1904C01-001AMS	SampT	ype: MS	3	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID:	S-11	Batch	n ID: 44	533	F	RunNo: 5 9	9419				
Prep Date:	4/25/2019	Analysis D	ate: 4/	25/2019	S	SeqNo: 2	001997	Units: mg/k	ζg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	49	10	50.20	2.664	91.4	53.5	126			
Surr: DNOP		4.6		5.020		92.6	70	130			
Sample ID:	1904C01-001AMSI	D SampT	ype: M	SD	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID:	S-11	Batch	n ID: 44	533	F	RunNo: 5 9	9419				
Prep Date:	4/25/2019	Analysis D	ate: 4/	25/2019	S	SeqNo: 2	001998	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	49	9.5	47.57	2.664	98.2	53.5	126	1.70	21.7	
Surr: DNOP		4.6		4.757		95.7	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 7 of 9

Page	100	of 18	7
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C	iject: Sandstone CS mple ID: MB-44507 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Rang						
Sample ID: MB-44507	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range					
Client ID: PBS	Batch ID: 44507	RunNo: 59426					
Prep Date: 4/24/2019	Analysis Date: 4/25/201	9 SeqNo: 2002311 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	860		1000		86.2	73.8	119			
Sample ID: LCS-44507 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range										
Client ID: LCSS	Batch	n ID: 44	507	R	RunNo: 5 9	9426				
Prep Date: 4/24/2019	Analysis D	ate: 4/2	25/2019	S	SeqNo: 2	002312	Units: mg/K	íg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	94.6	80.1	123			
Surr: BFB	960		1000		95.7	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

- 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

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ENSOLUM

Client:

Surr: 4-Bromofluorobenzene

0.90

KEFUKI	WO#:	1904C01
l Analysis Laboratory, Inc.		26-Apr-19

Project: Sandston	e CS									
Sample ID: MB-44507	Samp	ype: ME	BLK	TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 44507			F	RunNo: 59	9426				
Prep Date: 4/24/2019	Analysis [Date: 4/	25/2019	5	SeqNo: 20	002339	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	0.86		1.000		86.3	80	120			
Sample ID: LCS-44507	Samp	ype: LC	S	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batc	h ID: 44	507	F	RunNo: 5 9	9426				
Prep Date: 4/24/2019	Analysis [Date: 4/	25/2019	5	SeqNo: 20	002341	Units: mg/K	íg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	1.000	0	86.4	80	120			
Toluene	0.93	0.050	1.000	0	93.4	80	120			
Ethylbenzene	0.94	0.050	1.000	0	93.5	80	120			
Xylenes, Total	2.8	0.10	3.000	0	95.0	80	120			

1.000

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

89.6

80

120

- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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ANALY	ONMENTAL 'SIS Atory	Hall Environmenta Alb TEL: 505-345-397 Website: www.h	490 uquera 5 FAX:	01 Hawkins que, NM 87 505-345-4	^{NE} 109 Sar	nple Log-In Check List	:
Client Name:	ENSOLUM AZTE	C Work Order Number	: 190	4C01		RcptNo: 1	
Received By:	Anne Thorne	4/25/2019 8:10:00 AM	I		Anne H.		
Completed By:	Anne Thorne	4/25/2019 8:20:36 AN	I		Anne H.	·	
Reviewed By: Labeley	TU by: A	4/25/19					
Chain of Cust	ody (
1. Is Chain of Cu	stody complete?		Yes	\checkmark	No 🗆	Not Present	
2. How was the s	sample delivered?		<u>Cou</u>	<u>rier</u>			
<u>Log In</u> 3. Was an attem	pt made to cool th	e samples?	Yes		No 🗌	NA 🗌	
4. Were all samp	les received at a to	emperature of >0° C to 6.0°C	Yes	•	No 🗌		
5. Sample(s) in p	roper container(s)	?	Yes		No 🗌		
6. Sufficient samp	ble volume for indi	cated test(s)?	Yes		No 🗌		
		NG) properly preserved?	Yes		No 🗌		
8. Was preservati			Yes		No 🔽	NA 🗌	
9. VOA vials have	e zero headspace?		Yes		No 🗌	No VOA Vials 🗹	
0. Were any sam	ple containers rec	eived broken?	Yes		No 🗹		
1. Does paperwor (Note discrepa	k match bottle lab		Yes	✓	No 🗌	# of preserved bottles checked for pH: (<2 or >12 unless note	ed)
		n Chain of Custody?	Yes		No 🗌	Adjusted?	
3. Is it clear what	analyses were rec	uested?	Yes	\checkmark	No 🗌		
4. Were all holdin (If no, notify cu	g times able to be stomer for authoriz		Yes		No 🗌	Checked by:	
pecial Handli	ng (if applicat	<u>le)</u>					
15. Was client not	ified of all discrepa	incies with this order?	Yes		No 🗌		
Person N	Notified:	Date					
By Whor	n:	Via: [eM	ail 📋 Pi	none 🗌 Fax	In Person	
Regardir	ng:			··· .	···· · · · · · · · · · · · · · · · · ·		
Client Ins	structions:	·····					
 16. Additional rem CUSTOL 17. <u>Cooler Inform</u> Cooler No 1 	DY SEALS INTAC	an a	Seal D	ate	Signed By		

Page 1 of 1

Received by OCD: 8/10/2020 9:33:34 AM

Chain-of-Custody Record	Turn-Around Time:				
Client: 	Standard X Rush Same DAY				
	Project Name:				
Mailing Address:	Sandstone CS	www.hallenvironmental.com			
Mailing Address: 6065, Rio Grando Suite A	Project #: OCA is a const	4901 Hawkins NE - Albuquerque, NM 87109			
S Aztec, NM STUID	Project #: 05AD26053	Tel. 505-345-3975 Fax 505-345-4107			
Phone #:		Analysis Request			
email or Fax#: KSummers@ensalum.com	Project Manager: KSummers	(8021) / MRO) / MRO) 04, SO4			
QA/QC Package:		/ DRO / MRO / DRO / MRO (082 PCB's (082 PCB's 8270SIMS 8270SIMS esent/Absent			
<u>Standard</u> Level 4 (Full Validation)		TMB's 082 P(02, P(0			
Accreditation: Az Compliance	Sampler: R. Deechilly	BTEX /- MTBE /- TMB's. (8021) TPH:8015D(GRO / DRO / MRO) 8081 Pesticides/8082 PCB's EDB (Method 504.1) PAHs by 8310 or 8270SIMS RCRA 8 Metals RCRA 8 Metals CI, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄ S260 (VOA) 8270 (Semi-VOA) 10tal Coliform (Present/Absent) Chler Å(VS			
S □ NELAC □ Other □ EDD (Type)	On Ice: Yes □ No # of Coolers: /	BTEX /- MTBE /- TM TPH:8015D(GRO / D 8081 Pesticides/808 8081 Pesticides/808 BDB (Method 504.1) PAHs by 8310 or 82 RCRA 8 Metals CI, F, Br, NO ₃ , NO ₅ CI, F, Br, NO ₃ , NO ₅ S260 (VOA) 8270 (Semi-VOA) Total Coliform (Prese <i>Chler id/0</i> 5			
	F. Of Coolers:	BTEX /- MTBE / TPH:8015D(GR(8081 Pesticides, EDB (Method 50 PAHs by 8310 o RCRA 8 Metals CI, F, Br, NO ₃ , CI, F, Br, NO ₃ , S260 (VOA) B260 (VOA) B270 (Semi-VO/ Total Coliform (F			
	mortkit	A Meth Pestific Colific Colific			
	Coptainer Preservative HEAL No.	BTEX /- MT BTEX /- MT TPH:8015D 8081 Pestic 8081 Pestic B081 Pestic RCRA 8 Me RCRA 8 M			
Date Time Matrix Sample Name	Туреала#" Туре 1904CO				
4/21/19/1545 5 5-11	1402 Jar (001 70)	XXX			
4/24/19 1550 S S-12	1402 Jar (00) 702	\times \times $			
4/24/19 1555 S S-13	1 Yoz Jar Cool ZB	$\times \times$			
4124/19 1600 S S-14	1402 Jur Covi -004				
4/24/19 1605 S \$200 S-15	1402 Jar (001 205	X X X			
	TARS				
- ^с в					
Date: Time: Relinquished by:	Received by: Via: Date Time	Remarks: PM - Tom Long (EPROD)			
4/24/9/1807 Fricht	Must Waster 4/24/19 1887	Remarks: PM - Tom Long (EPROD) Pay Key - 6611580			
Date: Time: Relinquished by: 4/24/15/1920/Mws/Ww/WARK	Received by: Via: Date Time 04/25/M 08/0	SAME DAY			
If necessary samples submitted to Hall Environmental may be sub	contracted to other accredited laboratories. This serves as notice of this	s possibility. Any sub-contracted data will be clearly notated on the analytical report.			



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

August 02, 2019

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

RE: Sandstone Compressor Station

OrderNo.: 1907C86

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 19 sample(s) on 7/25/2019 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

1907C86-001

Project:

Lab ID:

Analytical Report Lab Order 1907C86

Hall Environmental Analysis Laboratory, Inc.

Sandstone Compressor Station

Date Reported: 8/2/2019

Client Sample ID: SB-1@2' Collection Date: 7/17/2019 9:00:00 AM Received Date: 7/25/2010 7:45:00 AM

Received Date: 7/25/2019 7:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	ND	60	mg/Kg	20	7/25/2019 10:02:00 PM	46399
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst:	том
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	7/30/2019 8:45:30 AM	46442
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/30/2019 8:45:30 AM	46442
Surr: DNOP	96.7	70-130	%Rec	1	7/30/2019 8:45:30 AM	46442
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/30/2019 10:24:37 AM	46440
Surr: BFB	95.5	73.8-119	%Rec	1	7/30/2019 10:24:37 AM	46440
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.024	mg/Kg	1	7/30/2019 10:24:37 AM	46440
Toluene	ND	0.048	mg/Kg	1	7/30/2019 10:24:37 AM	46440
Ethylbenzene	ND	0.048	mg/Kg	1	7/30/2019 10:24:37 AM	46440
Xylenes, Total	ND	0.096	mg/Kg	1	7/30/2019 10:24:37 AM	46440
Surr: 4-Bromofluorobenzene	96.1	80-120	%Rec	1	7/30/2019 10:24:37 AM	46440

Matrix: SOIL

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 23

Project: Sandstone Compressor Station

Surr: 4-Bromofluorobenzene

Analytical Report Lab Order 1907C86

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 8/2/2019

Client Sample ID: SB-1@4' Collection Date: 7/17/2019 9:05:00 AM

1

%Rec

7/30/2019 11:35:14 AM 46440

Lab ID: 1907C86-002	Matrix: SOIL		Received Dat	e: 7/2	25/2019 7:45:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	61	mg/Kg	20	7/25/2019 10:14:24 PM	46399
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: ТОМ
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	7/30/2019 9:51:57 AM	46442
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/30/2019 9:51:57 AM	46442
Surr: DNOP	99.5	70-130	%Rec	1	7/30/2019 9:51:57 AM	46442
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/30/2019 11:35:14 AM	46440
Surr: BFB	92.7	73.8-119	%Rec	1	7/30/2019 11:35:14 AM	46440
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	7/30/2019 11:35:14 AM	46440
Toluene	ND	0.048	mg/Kg	1	7/30/2019 11:35:14 AM	46440
Ethylbenzene	ND	0.048	mg/Kg	1	7/30/2019 11:35:14 AM	46440
Xylenes, Total	ND	0.097	mg/Kg	1	7/30/2019 11:35:14 AM	46440

92.9

80-120

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 23

Surr: 4-Bromofluorobenzene

Analytical Report Lab Order 1907C86

7/30/2019 12:45:59 PM 46440

Hall Environmental Analysis Laboratory, Inc.

Lab Order **1907C86** Date Reported: **8/2/2019**

Client Sample ID: SB-1@8' Collection Date: 7/17/2019 9:10:00 AM

Project: Sandstone Compressor Stati	on	Collection Date: 7/17/2019 9:10:00 AM							
Lab ID: 1907C86-003	Matrix: SOIL		Received Dat	e: 7/2	25/2019 7:45:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	CAS			
Chloride	ND	60	mg/Kg	20	7/25/2019 10:26:49 PM	46399			
EPA METHOD 8015M/D: DIESEL RAI	NGE ORGANICS				Analyst	: том			
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	7/30/2019 10:14:14 AM	46442			
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/30/2019 10:14:14 AM	46442			
Surr: DNOP	102	70-130	%Rec	1	7/30/2019 10:14:14 AM	46442			
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	: NSB			
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/30/2019 12:45:59 PM	46440			
Surr: BFB	92.9	73.8-119	%Rec	1	7/30/2019 12:45:59 PM	46440			
EPA METHOD 8021B: VOLATILES					Analyst	: NSB			
Benzene	ND	0.024	mg/Kg	1	7/30/2019 12:45:59 PM	46440			
Toluene	ND	0.048	mg/Kg	1	7/30/2019 12:45:59 PM	46440			
Ethylbenzene	ND	0.048	mg/Kg	1	7/30/2019 12:45:59 PM	46440			
Xylenes, Total	ND	0.096	mg/Kg	1	7/30/2019 12:45:59 PM	46440			

93.2

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

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1907C86-004

Project:

Lab ID:

Analytical Report Lab Order 1907C86

Date Reported: 8/2/2019

Hall Environmental Analysis Laboratory, Inc.

Sandstone Compressor Station

Client Sample ID: SB-2@2' Collection Date: 7/17/2019 9:15:00 AM

Received Date: 7/25/2019 7:45:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	59	mg/Kg	20	7/26/2019 7:10:04 PM	46427
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	том
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/30/2019 10:36:21 AM	46442
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/30/2019 10:36:21 AM	46442
Surr: DNOP	99.3	70-130	%Rec	1	7/30/2019 10:36:21 AM	46442
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	7/30/2019 1:09:37 PM	46440
Surr: BFB	94.8	73.8-119	%Rec	1	7/30/2019 1:09:37 PM	46440
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.023	mg/Kg	1	7/30/2019 1:09:37 PM	46440
Toluene	ND	0.046	mg/Kg	1	7/30/2019 1:09:37 PM	46440
Ethylbenzene	ND	0.046	mg/Kg	1	7/30/2019 1:09:37 PM	46440
Xylenes, Total	ND	0.092	mg/Kg	1	7/30/2019 1:09:37 PM	46440
Surr: 4-Bromofluorobenzene	94.7	80-120	%Rec	1	7/30/2019 1:09:37 PM	46440

Matrix: SOIL

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

Qualifiers:

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

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Project: Sandstone Compressor Station

Analytical Report Lab Order 1907C86

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 8/2/2019 Client Sample ID: SB-3@2' Collection Date: 7/17/2019 9:20:00 AM

Lab ID: 1907C86-005	Matrix: SOIL	25/2019 7:45:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	63	60	mg/Kg	20	7/26/2019 7:22:29 PM	46427
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst	: том
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	7/30/2019 10:58:38 AM	46442
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/30/2019 10:58:38 AN	46442
Surr: DNOP	95.7	70-130	%Rec	1	7/30/2019 10:58:38 AN	46442
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/30/2019 1:33:12 PM	46440
Surr: BFB	93.8	73.8-119	%Rec	1	7/30/2019 1:33:12 PM	46440
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	7/30/2019 1:33:12 PM	46440
Toluene	ND	0.049	mg/Kg	1	7/30/2019 1:33:12 PM	46440
Ethylbenzene	ND	0.049	mg/Kg	1	7/30/2019 1:33:12 PM	46440
Xylenes, Total	ND	0.098	mg/Kg	1	7/30/2019 1:33:12 PM	46440
Surr: 4-Bromofluorobenzene	93.3	80-120	%Rec	1	7/30/2019 1:33:12 PM	46440

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

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Project:

Analytical Report Lab Order 1907C86

Hall Environmental Analysis Laboratory, Inc.

Sandstone Compressor Station

Date Reported: 8/2/2019

Client Sample ID: SB-3@4' Collection Date: 7/17/2019 9:25:00 AM Received Date: 7/25/2019 7:45:00 AM

Lab ID: 1907C86-006	Matrix: SOIL		Received Dat	e: 7/2	25/2019 7:45:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	60	mg/Kg	20	7/26/2019 7:59:43 PM	46427
EPA METHOD 8015M/D: DIESEL RANG	SE ORGANICS				Analyst	: ТОМ
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/30/2019 11:20:51 AM	46442
Motor Oil Range Organics (MRO)	ND	51	mg/Kg	1	7/30/2019 11:20:51 AM	46442
Surr: DNOP	96.9	70-130	%Rec	1	7/30/2019 11:20:51 AM	46442
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/30/2019 1:56:52 PM	46440
Surr: BFB	94.9	73.8-119	%Rec	1	7/30/2019 1:56:52 PM	46440
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	7/30/2019 1:56:52 PM	46440
Toluene	ND	0.048	mg/Kg	1	7/30/2019 1:56:52 PM	46440
Ethylbenzene	ND	0.048	mg/Kg	1	7/30/2019 1:56:52 PM	46440
Xylenes, Total	ND	0.096	mg/Kg	1	7/30/2019 1:56:52 PM	46440
Surr: 4-Bromofluorobenzene	95.1	80-120	%Rec	1	7/30/2019 1:56:52 PM	46440

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

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Project:

Analytical Report Lab Order 1907C86

Hall Environmental Analysis Laboratory, Inc.

Sandstone Compressor Station

Date Reported: 8/2/2019

Client Sample ID: SB-3@8' Collection Date: 7/17/2019 9:30:00 AM Received Date: 7/25/2019 7:45:00 AM

Lab ID: 1907C86-007	1907C86-007 Matrix: SOIL Received Date: 7/25/2019					00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	CAS	
Chloride	ND	60	mg/Kg	20	7/26/2019 8:12:08 PM	46427	
EPA METHOD 8015M/D: DIESEL RANG	BE ORGANICS				Analyst	: ТОМ	
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/30/2019 11:43:16 AM	46442	
Motor Oil Range Organics (MRO)	ND	52	mg/Kg	1	7/30/2019 11:43:16 AM	46442	
Surr: DNOP	94.3	70-130	%Rec	1	7/30/2019 11:43:16 AM	46442	
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/30/2019 2:20:31 PM	46440	
Surr: BFB	94.4	73.8-119	%Rec	1	7/30/2019 2:20:31 PM	46440	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.025	mg/Kg	1	7/30/2019 2:20:31 PM	46440	
Toluene	ND	0.050	mg/Kg	1	7/30/2019 2:20:31 PM	46440	
Ethylbenzene	ND	0.050	mg/Kg	1	7/30/2019 2:20:31 PM	46440	
Xylenes, Total	ND	0.099	mg/Kg	1	7/30/2019 2:20:31 PM	46440	
Surr: 4-Bromofluorobenzene	93.3	80-120	%Rec	1	7/30/2019 2:20:31 PM	46440	

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

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1907C86-008

Project:

Lab ID:

Analytical Report Lab Order 1907C86

Hall Environmental Analysis Laboratory, Inc.

Sandstone Compressor Station

Date Reported: 8/2/2019

Client Sample ID: SB-4@2' Collection Date: 7/17/2019 9:35:00 AM Received Date: 7/25/2019 7:45:00 AM

Received Date: 7/25/2019 7:45:00 AN	Л

Analyses	Result	RL Q	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	60	mg/Kg	20	7/26/2019 8:24:33 PM	46427
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	том
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/30/2019 12:05:32 PM	46442
Motor Oil Range Organics (MRO)	ND	51	mg/Kg	1	7/30/2019 12:05:32 PM	46442
Surr: DNOP	93.9	70-130	%Rec	1	7/30/2019 12:05:32 PM	46442
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/30/2019 2:44:17 PM	46440
Surr: BFB	94.9	73.8-119	%Rec	1	7/30/2019 2:44:17 PM	46440
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.023	mg/Kg	1	7/30/2019 2:44:17 PM	46440
Toluene	ND	0.047	mg/Kg	1	7/30/2019 2:44:17 PM	46440
Ethylbenzene	ND	0.047	mg/Kg	1	7/30/2019 2:44:17 PM	46440
Xylenes, Total	ND	0.094	mg/Kg	1	7/30/2019 2:44:17 PM	46440
Surr: 4-Bromofluorobenzene	94.7	80-120	%Rec	1	7/30/2019 2:44:17 PM	46440

Matrix: SOIL

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

Qualifiers:

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

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Project: Sandstone Compressor Station

Analytical Report Lab Order 1907C86

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 8/2/2019

Client Sample ID: SB-4@6' Collection Date: 7/17/2019 9:40:00 AM Baseived Date: 7/25/2010 7:45:00 AM

Lab ID: 1907C86-009	Matrix: SOIL]	Received Dat	e: 7/2	25/2019 7:45:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	60	mg/Kg	20	7/26/2019 8:36:57 PM	46427
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	том
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/30/2019 12:27:57 PM	46442
Motor Oil Range Organics (MRO)	ND	51	mg/Kg	1	7/30/2019 12:27:57 PM	46442
Surr: DNOP	93.2	70-130	%Rec	1	7/30/2019 12:27:57 PM	46442
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/30/2019 3:07:58 PM	46440
Surr: BFB	95.5	73.8-119	%Rec	1	7/30/2019 3:07:58 PM	46440
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.025	mg/Kg	1	7/30/2019 3:07:58 PM	46440
Toluene	ND	0.049	mg/Kg	1	7/30/2019 3:07:58 PM	46440
Ethylbenzene	ND	0.049	mg/Kg	1	7/30/2019 3:07:58 PM	46440
Xylenes, Total	ND	0.098	mg/Kg	1	7/30/2019 3:07:58 PM	46440
Surr: 4-Bromofluorobenzene	95.2	80-120	%Rec	1	7/30/2019 3:07:58 PM	46440

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

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Project:

Analytical Report Lab Order 1907C86

Hall Environmental Analysis Laboratory, Inc.

Sandstone Compressor Station

Date Reported: 8/2/2019

Client Sample ID: SB-4@8' Collection Date: 7/17/2019 9:45:00 AM **Bacaived Data:** 7/25/2010 7:45:00 AM

Lab ID: 1907C86-010	Matrix: SOIL		Received Dat	e: 7/2	25/2019 7:45:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	60	mg/Kg	20	7/26/2019 8:49:22 PM	46427
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	том
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	7/30/2019 12:50:21 PM	46442
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/30/2019 12:50:21 PM	46442
Surr: DNOP	94.6	70-130	%Rec	1	7/30/2019 12:50:21 PM	46442
EPA METHOD 8015D: GASOLINE RANG	θE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/30/2019 3:31:41 PM	46440
Surr: BFB	98.8	73.8-119	%Rec	1	7/30/2019 3:31:41 PM	46440
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.025	mg/Kg	1	7/30/2019 3:31:41 PM	46440
Toluene	ND	0.049	mg/Kg	1	7/30/2019 3:31:41 PM	46440
Ethylbenzene	ND	0.049	mg/Kg	1	7/30/2019 3:31:41 PM	46440
Xylenes, Total	ND	0.098	mg/Kg	1	7/30/2019 3:31:41 PM	46440
Surr: 4-Bromofluorobenzene	98.1	80-120	%Rec	1	7/30/2019 3:31:41 PM	46440

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

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Project:

Analytical Report Lab Order 1907C86

Hall Environmental Analysis Laboratory, Inc.

Sandstone Compressor Station

Date Reported: 8/2/2019
Client Sample ID: SB-5@2'

Collection Date: 7/17/2019 9:50:00 AM **Received Date:** 7/25/2019 7:45:00 AM

Lab ID: 1907C86-011	Matrix: SOIL		Received Dat	25/2019 7:45:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	60	mg/Kg	20	7/26/2019 9:01:47 PM	46427
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	: TOM
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	7/30/2019 1:12:45 PM	46442
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/30/2019 1:12:45 PM	46442
Surr: DNOP	92.1	70-130	%Rec	1	7/30/2019 1:12:45 PM	46442
EPA METHOD 8015D: GASOLINE RANG	θE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/30/2019 5:06:51 PM	46440
Surr: BFB	102	73.8-119	%Rec	1	7/30/2019 5:06:51 PM	46440
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	7/30/2019 5:06:51 PM	46440
Toluene	ND	0.048	mg/Kg	1	7/30/2019 5:06:51 PM	46440
Ethylbenzene	ND	0.048	mg/Kg	1	7/30/2019 5:06:51 PM	46440
Xylenes, Total	ND	0.096	mg/Kg	1	7/30/2019 5:06:51 PM	46440
Surr: 4-Bromofluorobenzene	101	80-120	%Rec	1	7/30/2019 5:06:51 PM	46440

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

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1907C86-012

Project:

Lab ID:

Analytical Report Lab Order 1907C86

Hall Environmental Analysis Laboratory, Inc.

Sandstone Compressor Station

Date Reported: 8/2/2019

Client Sample ID: SB-5@4' Collection Date: 7/17/2019 9:55:00 AM Matrix: SOIL Received Date: 7/25/2019 7:45:00 AM Result RL Oual Units DF Date Analyzed B

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	60	mg/Kg	20	7/26/2019 9:14:12 PM	46427
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst	том
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	7/30/2019 1:35:06 PM	46442
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/30/2019 1:35:06 PM	46442
Surr: DNOP	97.0	70-130	%Rec	1	7/30/2019 1:35:06 PM	46442
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/30/2019 5:30:36 PM	46440
Surr: BFB	97.0	73.8-119	%Rec	1	7/30/2019 5:30:36 PM	46440
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.023	mg/Kg	1	7/30/2019 5:30:36 PM	46440
Toluene	ND	0.047	mg/Kg	1	7/30/2019 5:30:36 PM	46440
Ethylbenzene	ND	0.047	mg/Kg	1	7/30/2019 5:30:36 PM	46440
Xylenes, Total	ND	0.093	mg/Kg	1	7/30/2019 5:30:36 PM	46440
Surr: 4-Bromofluorobenzene	96.2	80-120	%Rec	1	7/30/2019 5:30:36 PM	46440

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

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Project:

Analytical Report Lab Order 1907C86

Hall Environmental Analysis Laboratory, Inc.

Sandstone Compressor Station

Date Reported: 8/2/2019

Client Sample ID: SB-5@8' Collection Date: 7/17/2019 10:00:00 AM Received Date: 7/25/2019 7:45:00 AM

Lab ID: 1907C86-013	Matrix: SOIL		Received Dat	e: 7/2	25/2019 7:45:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	60	mg/Kg	20	7/26/2019 9:51:25 PM	46427
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	том
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/30/2019 1:57:30 PM	46442
Motor Oil Range Organics (MRO)	ND	51	mg/Kg	1	7/30/2019 1:57:30 PM	46442
Surr: DNOP	95.0	70-130	%Rec	1	7/30/2019 1:57:30 PM	46442
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/30/2019 5:54:22 PM	46440
Surr: BFB	104	73.8-119	%Rec	1	7/30/2019 5:54:22 PM	46440
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	7/30/2019 5:54:22 PM	46440
Toluene	ND	0.047	mg/Kg	1	7/30/2019 5:54:22 PM	46440
Ethylbenzene	ND	0.047	mg/Kg	1	7/30/2019 5:54:22 PM	46440
Xylenes, Total	ND	0.094	mg/Kg	1	7/30/2019 5:54:22 PM	46440
Surr: 4-Bromofluorobenzene	104	80-120	%Rec	1	7/30/2019 5:54:22 PM	46440

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

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Analytical Report Lab Order 1907C86

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 8/2/2019 Client Sample ID: SB-6@2' Collection Date: 7/17/2019 10:05:00 AM

Project: Sandstone Compressor Station	1	(Collection Dat	e: 7 /1	17/2019 10:05:00 AM	
Lab ID: 1907C86-014	Matrix: SOIL		Received Dat	e: 7/2	25/2019 7:45:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	60	mg/Kg	20	7/26/2019 10:28:37 PM	46427
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst	: том
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/30/2019 2:19:45 PM	46442
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/30/2019 2:19:45 PM	46442
Surr: DNOP	100	70-130	%Rec	1	7/30/2019 2:19:45 PM	46442
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/30/2019 6:18:07 PM	46440
Surr: BFB	97.2	73.8-119	%Rec	1	7/30/2019 6:18:07 PM	46440
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	7/30/2019 6:18:07 PM	46440
Toluene	ND	0.050	mg/Kg	1	7/30/2019 6:18:07 PM	46440
Ethylbenzene	ND	0.050	mg/Kg	1	7/30/2019 6:18:07 PM	46440
Xylenes, Total	ND	0.10	mg/Kg	1	7/30/2019 6:18:07 PM	46440
Surr: 4-Bromofluorobenzene	95.9	80-120	%Rec	1	7/30/2019 6:18:07 PM	46440

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
- JAnalyte detected below quantitation limitsPSample pH Not In Range
- RL Reporting Limit

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Project:

Analytical Report Lab Order 1907C86

Hall Environmental Analysis Laboratory, Inc.

Sandstone Compressor Station

Date Reported: 8/2/2019

Client Sample ID: SB-6@4' Collection Date: 7/17/2019 10:10:00 AM Received Date: 7/25/2019 7:45:00 AM

Lab ID: 1907C86-015	Matrix: SOIL		25/2019 7:45:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	60	mg/Kg	20	7/26/2019 10:41:03 PM	46427
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	том
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/30/2019 2:42:07 PM	46442
Motor Oil Range Organics (MRO)	ND	51	mg/Kg	1	7/30/2019 2:42:07 PM	46442
Surr: DNOP	100	70-130	%Rec	1	7/30/2019 2:42:07 PM	46442
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/30/2019 6:41:52 PM	46440
Surr: BFB	101	73.8-119	%Rec	1	7/30/2019 6:41:52 PM	46440
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	7/30/2019 6:41:52 PM	46440
Toluene	ND	0.049	mg/Kg	1	7/30/2019 6:41:52 PM	46440
Ethylbenzene	ND	0.049	mg/Kg	1	7/30/2019 6:41:52 PM	46440
Xylenes, Total	ND	0.097	mg/Kg	1	7/30/2019 6:41:52 PM	46440
Surr: 4-Bromofluorobenzene	100	80-120	%Rec	1	7/30/2019 6:41:52 PM	46440

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

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Analytical Report Lab Order 1907C86

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 8/2/2019 Client Sample ID: SB-6@8'

Project:	Sandstone Compressor Station		(Collection Dat	e: 7 /1	17/2019 10:15:00 AM	
Lab ID:	1907C86-016	Matrix: SOIL	25/2019 7:45:00 AM				
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS					Analyst	CAS
Chloride		ND	60	mg/Kg	20	7/26/2019 10:53:27 PM	46427
EPA ME	THOD 8015M/D: DIESEL RANGE	E ORGANICS				Analyst	: том
Diesel R	ange Organics (DRO)	ND	10	mg/Kg	1	7/30/2019 3:26:52 PM	46442
Motor O	il Range Organics (MRO)	ND	51	mg/Kg	1	7/30/2019 3:26:52 PM	46442
Surr:	DNOP	94.5	70-130	%Rec	1	7/30/2019 3:26:52 PM	46442
EPA ME	THOD 8015D: GASOLINE RANG	E				Analyst	: NSB
Gasoline	e Range Organics (GRO)	ND	4.6	mg/Kg	1	7/30/2019 7:05:42 PM	46440
Surr:	BFB	97.9	73.8-119	%Rec	1	7/30/2019 7:05:42 PM	46440
EPA ME	THOD 8021B: VOLATILES					Analyst	: NSB
Benzene	9	ND	0.023	mg/Kg	1	7/30/2019 7:05:42 PM	46440
Toluene		ND	0.046	mg/Kg	1	7/30/2019 7:05:42 PM	46440
Ethylbenzene		ND	0.046	mg/Kg	1	7/30/2019 7:05:42 PM	46440
Xylenes, Total		ND	0.093	mg/Kg	1	7/30/2019 7:05:42 PM	46440
Surr:	4-Bromofluorobenzene	96.6	80-120	%Rec	1	7/30/2019 7:05:42 PM	46440

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

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Analytical Report Lab Order 1907C86

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 8/2/2019 Client Sample ID: SB-7@2'

Project:	Sandstone Compressor Stati	ion Collection Date: 7/17/2019 10:20:00 AM						
Lab ID:	1907C86-017	Matrix: SOIL	Received Date: 7/25/2019 7:45:00 AM					
Analyses	5	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA ME	THOD 300.0: ANIONS					Analyst	CAS	
Chloride)	280	60	mg/Kg	20	7/31/2019 8:49:21 PM	46523	
EPA ME	THOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	ТОМ	
Diesel F	Range Organics (DRO)	ND	9.9	mg/Kg	1	7/30/2019 3:49:14 PM	46442	
Motor O	il Range Organics (MRO)	ND	49	mg/Kg	1	7/30/2019 3:49:14 PM	46442	
Surr:	DNOP	93.7	70-130	%Rec	1	7/30/2019 3:49:14 PM	46442	
EPA ME	THOD 8015D: GASOLINE RA	ANGE				Analyst	: NSB	
Gasolin	e Range Organics (GRO)	ND	4.8	mg/Kg	1	7/30/2019 7:29:31 PM	46440	
Surr:	BFB	94.8	73.8-119	%Rec	1	7/30/2019 7:29:31 PM	46440	
EPA ME	THOD 8021B: VOLATILES					Analyst	: NSB	
Benzen	e	ND	0.024	mg/Kg	1	7/30/2019 7:29:31 PM	46440	
Toluene	•	ND	0.048	mg/Kg	1	7/30/2019 7:29:31 PM	46440	
Ethylber	nzene	ND	0.048	mg/Kg	1	7/30/2019 7:29:31 PM	46440	
Xylenes, Total		ND	0.095	mg/Kg	1	7/30/2019 7:29:31 PM	46440	
Surr:	4-Bromofluorobenzene	94.6	80-120	%Rec	1	7/30/2019 7:29:31 PM	46440	

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

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Project:

Analytical Report Lab Order 1907C86

Hall Environmental Analysis Laboratory, Inc.

Sandstone Compressor Station

Date Reported: 8/2/2019

Client Sample ID: SB-7@4' Collection Date: 7/17/2019 10:25:00 AM Received Date: 7/25/2019 7:45:00 AM

Lab ID: 1907C86-018	Matrix: SOIL		Received Date: 7/25/2019 7:45:00 AM							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analyst	CAS				
Chloride	270	60	mg/Kg	20	7/31/2019 9:01:46 PM	46523				
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst	: TOM				
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/30/2019 4:11:49 PM	46442				
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/30/2019 4:11:49 PM	46442				
Surr: DNOP	96.9	70-130	%Rec	1	7/30/2019 4:11:49 PM	46442				
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst	: NSB				
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	7/30/2019 7:53:15 PM	46440				
Surr: BFB	93.8	73.8-119	%Rec	1	7/30/2019 7:53:15 PM	46440				
EPA METHOD 8021B: VOLATILES					Analyst	: NSB				
Benzene	ND	0.023	mg/Kg	1	7/30/2019 7:53:15 PM	46440				
Toluene	ND	0.046	mg/Kg	1	7/30/2019 7:53:15 PM	46440				
Ethylbenzene	ND	0.046	mg/Kg	1	7/30/2019 7:53:15 PM	46440				
Xylenes, Total	ND	0.092	mg/Kg	1	7/30/2019 7:53:15 PM	46440				
Surr: 4-Bromofluorobenzene	93.8	80-120	%Rec	1	7/30/2019 7:53:15 PM	46440				

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

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1907C86-019

Project:

Lab ID:

Analytical Report Lab Order 1907C86

Hall Environmental Analysis Laboratory, Inc.

Sandstone Compressor Station

Date Reported: 8/2/2019

Client Sample ID: SB-7@8' Collection Date: 7/17/2019 10:30:00 AM Received Date: 7/25/2019 7:45:00 AM

	Multim Soll								
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	CAS			
Chloride	300	60	mg/Kg	20	7/31/2019 9:14:10 PM	46523			
EPA METHOD 8015M/D: DIESEL RANGI	E ORGANICS				Analyst	: TOM			
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/30/2019 4:34:10 PM	46442			
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/30/2019 4:34:10 PM	46442			
Surr: DNOP	94.0	70-130	%Rec	1	7/30/2019 4:34:10 PM	46442			
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	NSB			
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/30/2019 8:17:01 PM	46440			
Surr: BFB	94.6	73.8-119	%Rec	1	7/30/2019 8:17:01 PM	46440			
EPA METHOD 8021B: VOLATILES					Analyst	NSB			
Benzene	ND	0.024	mg/Kg	1	7/30/2019 8:17:01 PM	46440			
Toluene	ND	0.048	mg/Kg	1	7/30/2019 8:17:01 PM	46440			
Ethylbenzene	ND	0.048	mg/Kg	1	7/30/2019 8:17:01 PM	46440			
Xylenes, Total	ND	0.096	mg/Kg	1	7/30/2019 8:17:01 PM	46440			
Surr: 4-Bromofluorobenzene	93.1	80-120	%Rec	1	7/30/2019 8:17:01 PM	46440			

Matrix: SOIL

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

Qualifiers:

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

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QC S Hall E

QC SUM					ory, Inc.					WO#:	1907C80 02-Aug-19
Client: Project:	ENSOLUM Sandstone Co	ompresso	or Stat	ion							
Sample ID: MB-4		SampTyp			Te	tCode: El	PA Method	300.0: Anion	e		
Client ID: PBS	0000	Batch I				RunNo: 6		500.0. Amon	3		
Prep Date: 7/25	/2019 Ana	alysis Dat				SeqNo: 2		Units: mg/k	(g		
Analyte Chloride		esult ND	PQL 1.5		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: LCS-	46399	SampType: LCS TestCode: EPA Method 300.0: Anions									
Client ID: LCSS	5	Batch ID: 46399			RunNo: 61687						
Prep Date: 7/25	/2019 Ana	alysis Dat	te: 7/ 2	25/2019		SeqNo: 2	091061	Units: mg/k	٤g		
Analyte	R	esult	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	91.1	90	110			
Sample ID: MB-4	6427	SampTy	be: ME	BLK	Tes	stCode: El	Code: EPA Method 300.0: Anions				
Client ID: PBS		Batch I	D: 464	427	RunNo: 61674						
Prep Date: 7/26	/2019 Ana	alysis Dat	te: 7/ 2	26/2019		SeqNo: 2	091646	Units: mg/k	٢g		
Analyte Chloride	R	esult ND	PQL 1.5	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: LCS-	46427	SampTy	be: LC	S	Tes	stCode: El	PA Method	300.0: Anion	s		
Client ID: LCSS	5	Batch I	D: 464	427		RunNo: 6	1674				
Prep Date: 7/26	/2019 Ana	alysis Dat	te: 7/	26/2019		SeqNo: 2	091647	Units: mg/k	(g		
Analyte	R	esult	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	93.2	90	110			
Sample ID: MB-4	6523	SampTy	be: ME	BLK	Tes	stCode: El	PA Method	300.0: Anion	s		

Sample ID: MB-46523	SampType: MBLK	Σ Te	estCode: EPA Method	300.0: Anions		
Client ID: PBS	Batch ID: 46523		RunNo: 61780			
Prep Date: 7/31/2019	Analysis Date: 7/31/2	2019	SeqNo: 2095372	Units: mg/Kg		
Analyte	Result PQL SF	PK value SPK Ref Va	I %REC LowLimit	HighLimit %R	PD RPDLimit	Qual
Chloride	ND 1.5					
Sample ID: LCS-46523	SampType: LCS	Te	estCode: EPA Method	300.0: Anions		
Sample ID: LCS-46523 Client ID: LCSS	SampType: LCS Batch ID: 46523		estCode: EPA Method RunNo: 61780	300.0: Anions		
	1 31			300.0: Anions Units: mg/Kg		
Client ID: LCSS	Batch ID: 46523 Analysis Date: 7/31/2		RunNo: 61780 SeqNo: 2095374		PD RPDLimit	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	<i>125</i>	of 180	
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	WO#:	1907C86
v Inc		

02-Aug-19

Client: Project:	ENSOLU Sandstone	M Compressor	: Sta	tion							
Sample ID:	1907C86-001AMS	SampType	e: M	6	Tes	tCode: El	PA Method	8015M/D: Die	sel Range	e Organics	
Client ID:	SB-1@2'	Batch ID	: 46	442	F	RunNo: 6	1704				
Prep Date:	7/29/2019	Analysis Date	: 7/	30/2019	S	SeqNo: 20	093098	Units: mg/K	g		
Analyte		Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	48	9.3	46.30	0	105	57	142			
Surr: DNOP		4.4		4.630		95.7	70	130			
Sample ID: 1907C86-001AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics											
Client ID:	SB-1@2'	Batch ID	: 46	442	F	RunNo: 6	1704				
Prep Date:	7/29/2019	Analysis Date	: 7/	30/2019	S	SeqNo: 2	093099	Units: mg/K	g		
Analyte		Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	52	10	50.10	0	104	57	142	7.50	20	
Surr: DNOP		4.7		5.010		93.2	70	130	0	0	
Sample ID:	LCS-46442	SampType	e: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	sel Range	e Organics	
Client ID:	LCSS	Batch ID	: 46	442	F	RunNo: 6	1704				
Prep Date:	7/29/2019	Analysis Date	: 7/	30/2019	S	SeqNo: 2	093112	Units: mg/K	g		
Analyte		Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	50	10	50.00	0	100	63.9	124			
Surr: DNOP		4.7		5.000		93.4	70	130			
Sample ID:	MB-46442	SampType	e: MI	BLK	Tes	tCode: El	PA Method	8015M/D: Die	sel Range	e Organics	
Client ID:	PBS	Batch ID	: 46	442	F	RunNo: 6	1704				
Prep Date:	7/29/2019	Analysis Date	: 7/	30/2019	S	SeqNo: 2	093113	Units: mg/K	g		
Analyte		Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	ND	10								
	e Organics (MRO)	ND	50								
Surr: DNOP		9.7		10.00		96.6	70	130			

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
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- 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#:	1907C86

02-Aug-19

Client: Project:	ENSOLU Sandston	JM e Compress	sor Sta	tion								
-	MB-46440	SampTy			Tes	tCode: E	PA Method	8015D: Gaso	line Rang	•		
•						TestCode: EPA Method 8015D: Gasoline Range						
Client ID:			ID: 46			RunNo: 6'						
Prep Date:	7/29/2019	Analysis Da	ate: 7/	30/2019	5	SeqNo: 2	093505	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		980		1000		98.4	73.8	119				
Sample ID:	ID: LCS-46440 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range											
Client ID:	LCSS	Batch	ID: 46	440	F	RunNo: 6	1757					
Prep Date:	7/29/2019	Analysis Da	ate: 7/	30/2019	S	SeqNo: 20	093506	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
-	e Organics (GRO)	23	5.0	25.00	0	90.7	80.1	123				
Surr: BFB		1100		1000		107	73.8	119				
Sample ID:	1907C86-002AMS	SampTy	/pe: M \$	3	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e		
Client ID:	SB-1@4'	Batch	ID: 46	440	RunNo: 61757							
Prep Date:	7/29/2019	Analysis Da	ate: 7/	30/2019	5	SeqNo: 20	093509	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Rang	je Organics (GRO)	24	4.7	23.50	0	103	69.1	142				
Surr: BFB		1000		939.8		110	73.8	119				
Sample ID:	1907C86-002AMS	D SampTy	/pe: M \$	SD	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e		
Client ID:	SB-1@4'	Batch	ID: 46	440	F	RunNo: 6'	1757					
Prep Date:	7/29/2019	Analysis Da	ate: 7/	30/2019	S	SeqNo: 20	093510	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
	e Organics (GRO)	25	4.8	24.06	0	105	69.1	142	3.95	20		
Surr: BFB		1000		962.5		106	73.8	119	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

WO#:	1907C86

02-Aug-19

Client: Project:	ENSOLU Sandston	JM e Compres	ssor Stat	ion									
Sample ID:		-	Туре: МЕ		Tes	tCode: F	PA Method	8021B: Volat	tiles				
Client ID:		•	h ID: 464		RunNo: 61757								
								lipito: mar/li	·				
Prep Date:	7/29/2019	Analysis [30/2019	c	SeqNo: 20	193001	Units: mg/k	Ŋ				
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 0.10										
Xylenes, Total	ofluorobenzene	ND	0.10	1.000		97.5	80	120					
3uii. 4-Di0iii	oliuolobelizelle	0.97		1.000		97.5	80	120					
Sample ID:	LCS-46440	Samp	Туре: LC	S	Tes	tCode: EF	PA Method	8021B: Vola	tiles				
Client ID:	LCSS	Batc	h ID: 464	440	F	RunNo: 6	1757						
Prep Date:	7/29/2019	Analysis [Date: 7/	30/2019	S	SeqNo: 20	093552	Units: mg/#	٤g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene		0.98	0.025	1.000	0	98.2	80	120					
Toluene		1.0	0.050	1.000	0	104	80	120					
Ethylbenzene		1.0	0.050	1.000	0	104	80	120					
Xylenes, Total		3.1	0.10	3.000	0	104	80	120					
Surr: 4-Brome	ofluorobenzene	0.96		1.000		96.1	80	120					
Sample ID:	1907C86-001AMS	Samp	Туре: МS	5	Tes	tCode: EF	PA Method	8021B: Volat	tiles				
Client ID:	SB-1@2'	Batc	h ID: 464	440	F	RunNo: 6'	1757						
Prep Date:	7/29/2019	Analysis [Date: 7/	30/2019	S	SeqNo: 20	093554	Units: mg/k	٢g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene		1.0	0.024	0.9407	0	107	63.9	127					
Toluene		1.1	0.047	0.9407	0.009387	114	69.9	131					
Ethylbenzene		1.1	0.047	0.9407	0	119	71	132					
Xylenes, Total		3.4	0.094	2.822	0.01705	119	71.8	131					
Surr: 4-Brom	ofluorobenzene	0.92		0.9407		98.2	80	120					
Sample ID:	1907C86-001AMS	D Samp	Туре: МS	D	Tes	tCode: EF	PA Method	8021B: Volat	tiles				
Client ID:	SB-1@2'	Batc	h ID: 464	440	RunNo: 61757								
Prep Date:	7/29/2019	Analysis [Date: 7/	30/2019	S	SeqNo: 20	093555	Units: mg/k	٤g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene		0.96	0.024	0.9524	0	101	63.9	127	4.48	20			
Toluene		1.0	0.048	0.9524	0.009387	104	69.9	131	8.32	20			
Ethylbenzene		1.0	0.048	0.9524	0	106	71	132	10.4	20			
		3.0	0.095	2.857	0.01705	104	71.8	131	11.7	20			
Xylenes, Total	ofluorobenzene			0.9524			80						

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

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veu	by OCD: 8/			На	ll Environment						Page 128
	ANALYSIS LABORATORY			Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com			5-4107	Sar	heck List		
C	Client Name:	ENSOLUM	AZTEC	Work	Order Numb	er: 190	7C86			RcptNo:	1
R	eceived By:	Desiree D	ominguez	7/25/20)19 7:45:00 A	м		T	N		
C	ompleted By:	Desiree D	ominguez	7/25/20)19 8:50:40 A	м		T	>		
R	eviewed By:	DAD	7/25/1	9							
Cł	hain of Cus	tody									
1.	Is Chain of C	ustody comp	lete?			Yes	\checkmark	No		Not Present	
2.	How was the	sample deliv	ered?			<u>Cou</u>	rier				
	<u>og In</u>										
Э.	Was an attem	npt made to c	cool the samp	les?		Yes	\checkmark	No		NA	
4.	Were all samp	oles received	at a tempera	ture of >0° C	to 6.0°C	Yes		No		NA 🗌	
5.	Sample(s) in	proper contai	iner(s)?			Yes	\checkmark	No			
6.	Sufficient sam	ple volume f	or indicated te	est(s)?		Yes	\checkmark	No			
7.	Are samples (except VOA	and ONG) pro	operly preserve	ed?	Yes	\checkmark	No			
8.	Was preserva	tive added to	bottles?			Yes		No	\checkmark	NA 🗌	
9.	VOA vials hav	e zero heads	space?			Yes		No		No VOA Vials 🗹	/
10.	Were any san	nple containe	ers received b	roken?		Yes		No		# of preserved bottles checked	
	Does paperwo (Note discrepa)		Yes	✓	No		for pH:	12 unless noted)
12.	Are matrices o	correctly iden	tified on Chai	n of Custody?		Yes	\checkmark	No		Adjusted?	
	Is it clear what		•	?		Yes					10 alash
	Were all holdin (If no, notify cu					Yes	\checkmark	No		Checked by:	167125/14
Spe	ecial Handl	ing (if app	olicable)							/	
15.	. Was client no	tified of all di	iscrepancies v	vith this order	?	Yes		No		NA 🔽	
	Person	Notified:	Participation and a second second		Date:	<u> </u>		KARDON COUNTY	entransia .		
	By Who	om:	Г		Via:	, eM	ail 🕅	Phone [] Fax	In Person	
	Regard	ing:		Ann an a	Min Arab Cand De Hall David and Hall De Harab Cand De Hall David David David David David David David David Davi	Landonana			iner binere i canto		
	Client Ir	nstructions:	Γ				entra contra d				
16	. Additional rei	marks:									
17.	. Cooler Infor	mation									
	Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal D	ate	Signed	Ву		
	1	0.3	Good	Not Present							

Page 1 of 1

Client: Mailing	Enso Address	olum 606	ustody Record S Rio Grande 2410	Turn-Around Standard Project Nam Sand S Project #:	d 🗆 Rush ne:	pressar Station 6053	HALL ENVIRON ANALYSIS LABO www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 8 Tel. 505-345-3975 Fax 505-345-410 Analysis Request				BOF om M 871 -4107	RATORY		a l						
email or QA/QC F Stand Accredit NEL/	Package: dard tation: AC		□ Level 4 (Full Validation) ompliance er	Sampler: C DAport,			-/ TWB's (8021)	RO / DRO / MRO)	es/8082 PCB's	504.1)	PAHs by 8310 or 8270SIMS	S	-, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄		OA)	Coliform (Present/Absent)) 9:33:34 AM
	Time	Matrix	Sample Name	Container Type and #	Preservative Type	1907086	BTEX / MTBE-	TPH:8015D(GRO	8081 Pesticides/8082	EDB (Method 504.1)	PAHs by 8310	RCRA 8 Metals	C, J	8260 (VOA)	8270 (Semi-VOA)	Total Coliform				
7/17/19		S S	SB-1@2	1 Sar	0001	-001	×	¥			_		X				_		- ano	
	905 910	5	SB-104' SB-108'			-002	×	Y		-	cashi	1-10	X		n transiti				+	
	915	S	53-202'			-003	X	-					r v					+	-	
	920	Ś	53-302'			-005	Y	4					x							
	925	- 5	513-304'		and the second second	- 006	¥	x					×					-		
	930	S	5/3-308'			-007	X	¥			-	11	¥	ed. Int	I su		10			
	935	5	53-402'			-008	x	¥					×	ale l	- do		fed and		14/2	
	940	S	513-486'			-009	K	4		i.			X							
	945	5	53-408'		naide de les estado	-010	x	x		100	- California		4							
	950	S	SB-502'	10.000		-011	×	x				5	Ý							
	955	T S	53-504'			-012	¥	r					x							
3/19	Time: <u>] 653</u> Time: \{{0	Relinquist	stutto	Received by: Received by:	Via: Via: Lourier	Date Time 7/24/16 165 Date Time 7/25/19 7:45	Ren	nark									the anal	٢	Road	Page 129 of

cessary, 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.

Client: Client: Mailing Address: Client: Mailing Address: Client: Cli	Turn-Around Time: Standard Rush Project Name: Standstone Compressor Statio Project #: OSA 1226 053	HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request
email or Fax#: QA/QC Package: □ Standard □ Level 4 (Full Validation) Accreditation: □ Az Compliance □ NELAC □ Other	Project Manager: K. Summers Sampler: C. DAponti On Ice: IN Yes INO	Potential (Role)
Date Time Matrix Sample Name	# of Coolers: Cooler Temp(including CF): O, 340.0 = 0.32 Container Preservative HEAL No. Type 19070360	BTEX / WTBE / TMB: TPH:8015D(GRO / DR0 8081 Pesticides/8082 I 8081 Pesticides/8082 I 8081 Pesticides/8082 I PAHs by 8310 or 8270 RCRA 8 Metals CI, F, BI, NO ₅ , NO ₂ , 8260 (VOA) 8260 (VOA) 8270 (Semi-VOA) Total Coliform (Presen
7/17/19 1000 5 513-508'	1402 Coul -013	V V V
1005 S SB-6 C2	- 014	X K K
1010 S S13-6 @ 4'	-015	X X V
1015 S SB-6@8'	-016	Y X X
1020 S SB-7@2'	-017	K Y K
1025 S SB-7@4'	-018	X X X
1030 S SB-708'	-019	X¢
Date: Time: Relinquished by: 34/19 165? Date: Time: Relinquished by: 724/19 1816 Date: Time: Relinquished by: 724/19 1816 Charles Charles Charle	Received by: Via: Date Time Mut 1/24/19 16 53 Received by: Via: Date Time THES COURTIES 7/25/19 7:4	paye



August 28, 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.: 1908979

RE: Sandstone CS

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 10 sample(s) on 8/16/2019 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

Sandstone CS

Project:

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1908979

Date Reported: 8/28/2019

Client Sample ID: SB-1@ 17'-20' Collection Date: 8/12/2019 1:10:00 PM **Descived Deter** 8/16/2010 7:57:00 AM

Lab ID: 1908979-001	Matrix: SOIL	Received Date: 8/16/2019 7:57:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst:	CAS	
Chloride	ND	60	mg/Kg	20	8/22/2019 1:02:28 PM	46964	
EPA METHOD 8015D MOD: GASOLIN	E RANGE				Analyst	DJF	
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	8/22/2019 3:16:38 AM	46903	
Surr: BFB	97.1	70-130	%Rec	1	8/22/2019 3:16:38 AM	46903	
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst	BRM	
Diesel Range Organics (DRO)	ND	8.9	mg/Kg	1	8/21/2019 4:22:04 PM	46911	
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	8/21/2019 4:22:04 PM	46911	
Surr: DNOP	94.0	70-130	%Rec	1	8/21/2019 4:22:04 PM	46911	
EPA METHOD 8260B: VOLATILES SH	ORT LIST				Analyst	DJF	
Benzene	ND	0.023	mg/Kg	1	8/22/2019 3:16:38 AM	46903	
Toluene	ND	0.047	mg/Kg	1	8/22/2019 3:16:38 AM	46903	
Ethylbenzene	ND	0.047	mg/Kg	1	8/22/2019 3:16:38 AM	46903	
Xylenes, Total	ND	0.093	mg/Kg	1	8/22/2019 3:16:38 AM	46903	
Surr: 1,2-Dichloroethane-d4	106	70-130	%Rec	1	8/22/2019 3:16:38 AM	46903	
Surr: 4-Bromofluorobenzene	91.6	70-130	%Rec	1	8/22/2019 3:16:38 AM	46903	
Surr: Dibromofluoromethane	106	70-130	%Rec	1	8/22/2019 3:16:38 AM	46903	
Surr: Toluene-d8	94.9	70-130	%Rec	1	8/22/2019 3:16:38 AM	46903	

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 15

Sandstone CS

Project:

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order **1908979** Date Reported: **8/28/2019**

Client Sample ID: SB-1@ 34'-35' Collection Date: 8/12/2019 1:15:00 PM Received Date: 8/16/2019 7:57:00 AM

Lab ID: 1908979-002	Matrix: SOIL	Received Date: 8/16/2019 7:57:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	CAS	
Chloride	ND	59	mg/Kg	20	8/22/2019 1:39:30 PM	46964	
EPA METHOD 8015D MOD: GASOLIN	E RANGE				Analyst	DJF	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/22/2019 3:45:57 AM	46903	
Surr: BFB	104	70-130	%Rec	1	8/22/2019 3:45:57 AM	46903	
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst	BRM	
Diesel Range Organics (DRO)	34	8.7	mg/Kg	1	8/21/2019 4:44:18 PM	46911	
Motor Oil Range Organics (MRO)	ND	43	mg/Kg	1	8/21/2019 4:44:18 PM	46911	
Surr: DNOP	97.5	70-130	%Rec	1	8/21/2019 4:44:18 PM	46911	
EPA METHOD 8260B: VOLATILES SH	ORT LIST				Analyst	DJF	
Benzene	ND	0.024	mg/Kg	1	8/22/2019 3:45:57 AM	46903	
Toluene	ND	0.049	mg/Kg	1	8/22/2019 3:45:57 AM	46903	
Ethylbenzene	ND	0.049	mg/Kg	1	8/22/2019 3:45:57 AM	46903	
Xylenes, Total	ND	0.097	mg/Kg	1	8/22/2019 3:45:57 AM	46903	
Surr: 1,2-Dichloroethane-d4	117	70-130	%Rec	1	8/22/2019 3:45:57 AM	46903	
Surr: 4-Bromofluorobenzene	93.7	70-130	%Rec	1	8/22/2019 3:45:57 AM	46903	
Surr: Dibromofluoromethane	117	70-130	%Rec	1	8/22/2019 3:45:57 AM	46903	
Surr: Toluene-d8	99.0	70-130	%Rec	1	8/22/2019 3:45:57 AM	46903	

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 15

Sandstone CS

Project:

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order **1908979** Date Reported: **8/28/2019**

Client Sample ID: SB-1@50'-52' Collection Date: 8/14/2019 9:30:00 AM Received Date: 8/16/2019 7:57:00 AM

Lab ID: 1908979-003	Matrix: SOIL		Received Date	e: 8/1	6/2019 7:57:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	ND	60	mg/Kg	20	8/22/2019 2:16:32 PM	46964
EPA METHOD 8015D MOD: GASOL	INE RANGE				Analyst:	DJF
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	8/22/2019 4:15:17 AM	46903
Surr: BFB	95.3	70-130	%Rec	1	8/22/2019 4:15:17 AM	46903
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst:	BRM
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	8/21/2019 5:06:40 PM	46911
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/21/2019 5:06:40 PM	46911
Surr: DNOP	88.8	70-130	%Rec	1	8/21/2019 5:06:40 PM	46911
EPA METHOD 8260B: VOLATILES	SHORT LIST				Analyst:	DJF
Benzene	ND	0.024	mg/Kg	1	8/22/2019 4:15:17 AM	46903
Toluene	ND	0.047	mg/Kg	1	8/22/2019 4:15:17 AM	46903
Ethylbenzene	ND	0.047	mg/Kg	1	8/22/2019 4:15:17 AM	46903
Xylenes, Total	ND	0.095	mg/Kg	1	8/22/2019 4:15:17 AM	46903
Surr: 1,2-Dichloroethane-d4	105	70-130	%Rec	1	8/22/2019 4:15:17 AM	46903
Surr: 4-Bromofluorobenzene	90.9	70-130	%Rec	1	8/22/2019 4:15:17 AM	46903
Surr: Dibromofluoromethane	110	70-130	%Rec	1	8/22/2019 4:15:17 AM	46903
Surr: Toluene-d8	97.2	70-130	%Rec	1	8/22/2019 4:15:17 AM	46903

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

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Sandstone CS

1908979-004

Project:

Lab ID:

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1908979

Date Reported: 8/28/2019

Client Sample ID: SB-6@ 24'-25'
Collection Date: 8/14/2019 12:45:00 PM
Received Date: 8/16/2019 7:57:00 AM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	60	mg/Kg	20	8/22/2019 2:28:52 PM	46964
EPA METHOD 8015D MOD: GASOLINE	RANGE				Analyst	DJF
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/22/2019 4:44:47 AM	46903
Surr: BFB	93.0	70-130	%Rec	1	8/22/2019 4:44:47 AM	46903
EPA METHOD 8015M/D: DIESEL RANGE	E ORGANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	8.8	mg/Kg	1	8/21/2019 5:29:05 PM	46911
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	8/21/2019 5:29:05 PM	46911
Surr: DNOP	78.3	70-130	%Rec	1	8/21/2019 5:29:05 PM	46911
EPA METHOD 8260B: VOLATILES SHO	RT LIST				Analyst	DJF
Benzene	ND	0.025	mg/Kg	1	8/22/2019 4:44:47 AM	46903
Toluene	ND	0.049	mg/Kg	1	8/22/2019 4:44:47 AM	46903
Ethylbenzene	ND	0.049	mg/Kg	1	8/22/2019 4:44:47 AM	46903
Xylenes, Total	ND	0.099	mg/Kg	1	8/22/2019 4:44:47 AM	46903
Surr: 1,2-Dichloroethane-d4	112	70-130	%Rec	1	8/22/2019 4:44:47 AM	46903
Surr: 4-Bromofluorobenzene	88.5	70-130	%Rec	1	8/22/2019 4:44:47 AM	46903
Surr: Dibromofluoromethane	115	70-130	%Rec	1	8/22/2019 4:44:47 AM	46903
Surr: Toluene-d8	100	70-130	%Rec	1	8/22/2019 4:44:47 AM	46903

Matrix: SOIL

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

Qualifiers:

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

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Sandstone CS

1908979-005

Project:

Lab ID:

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1908979

Date Reported: 8/28/2019

Client Sample ID: SB-6@ 30'-32'
Collection Date: 8/14/2019 12:50:00 PM
Received Date: 8/16/2019 7:57:00 AM

Result	RL	Qual Units	DF	Date Analyzed	Batch
				Analyst	CAS
ND	60	mg/Kg	20	8/22/2019 2:41:13 PM	46964
ANGE				Analyst	DJF
ND	4.8	mg/Kg	1	8/22/2019 5:13:56 AM	46903
95.1	70-130	%Rec	1	8/22/2019 5:13:56 AM	46903
ORGANICS				Analyst	BRM
ND	9.1	mg/Kg	1	8/21/2019 5:51:28 PM	46911
ND	46	mg/Kg	1	8/21/2019 5:51:28 PM	46911
86.6	70-130	%Rec	1	8/21/2019 5:51:28 PM	46911
T LIST				Analyst	DJF
ND	0.024	mg/Kg	1	8/22/2019 5:13:56 AM	46903
ND	0.048	mg/Kg	1	8/22/2019 5:13:56 AM	46903
ND	0.048	mg/Kg	1	8/22/2019 5:13:56 AM	46903
ND	0.097	mg/Kg	1	8/22/2019 5:13:56 AM	46903
106	70-130	%Rec	1	8/22/2019 5:13:56 AM	46903
88.4	70-130	%Rec	1	8/22/2019 5:13:56 AM	46903
113	70-130	%Rec	1	8/22/2019 5:13:56 AM	46903
95.8	70-130	%Rec	1	8/22/2019 5:13:56 AM	46903
	ND ANGE ND 95.1 ORGANICS ND 86.6 T LIST ND ND ND ND ND 106 88.4 113	ND 60 ANGE ND 4.8 95.1 70-130 DRGANICS ND 9.1 ND 46 86.6 70-130 T LIST ND 0.024 ND 0.048 ND 0.048 ND 0.048 ND 0.097 106 70-130 88.4 70-130 113 70-130 113 70-130	ND 60 mg/Kg ANGE ND 4.8 mg/Kg 95.1 70-130 %Rec DRGANICS ND 9.1 mg/Kg ND 46 mg/Kg 86.6 70-130 %Rec T LIST ND 0.024 mg/Kg ND 0.048 mg/Kg ND 0.048 mg/Kg ND 0.097 mg/Kg 106 70-130 %Rec 88.4 70-130 %Rec 113 70-130 %Rec	ND 60 mg/Kg 20 ANGE ND 4.8 mg/Kg 1 95.1 70-130 %Rec 1 DRGANICS ND 9.1 mg/Kg 1 ND 46 mg/Kg 1 ND 46 mg/Kg 1 ND 46 mg/Kg 1 ND 0.024 mg/Kg 1 ND 0.048 mg/Kg 1 ND 0.048 mg/Kg 1 ND 0.097 mg/Kg 1 106 70-130 %Rec 1 88.4 70-130 %Rec 1 113 70-130 %Rec 1	ND 60 mg/Kg 20 8/22/2019 2:41:13 PM ANGE Analyst ND 4.8 mg/Kg 1 8/22/2019 5:13:56 AM 95.1 70-130 %Rec 1 8/22/2019 5:13:56 AM 95.1 70-130 %Rec 1 8/22/2019 5:13:56 AM ORGANICS Analyst ND 9.1 mg/Kg 1 8/21/2019 5:51:28 PM ND 46 mg/Kg 1 8/21/2019 5:51:28 PM ND 46 mg/Kg 1 8/21/2019 5:51:28 PM 86.6 70-130 %Rec 1 8/21/2019 5:51:28 PM MD 46 mg/Kg 1 8/21/2019 5:51:28 PM MD 0.024 mg/Kg 1 8/21/2019 5:51:28 PM T LIST Analyst Analyst ND 0.024 mg/Kg 1 8/22/2019 5:13:56 AM ND 0.024 mg/Kg 1 8/22/2019 5:13:56 AM ND 0.097 mg/Kg 1 8/22/2019 5:13:56 AM M

Matrix: SOIL

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- 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 5 of 15

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Sandstone CS

Project:

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1908979

Date Reported: 8/28/2019

Client Sample ID: SB-6@ 48'-50'
Collection Date: 8/14/2019 1:00:00 PM
Received Date: 8/16/2019 7:57:00 AM

Lab ID: 1908979-006	Matrix: SOIL Received Date: 8/16/2019 7:57:0				6/2019 7:57:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	60	mg/Kg	20	8/22/2019 2:53:33 PM	46964
EPA METHOD 8015D MOD: GASOLI	NE RANGE				Analyst	DJF
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/22/2019 5:42:50 AM	46903
Surr: BFB	90.8	70-130	%Rec	1	8/22/2019 5:42:50 AM	46903
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	8/21/2019 6:13:47 PM	46911
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/21/2019 6:13:47 PM	46911
Surr: DNOP	86.7	70-130	%Rec	1	8/21/2019 6:13:47 PM	46911
EPA METHOD 8260B: VOLATILES S	HORT LIST				Analyst	DJF
Benzene	ND	0.024	mg/Kg	1	8/22/2019 5:42:50 AM	46903
Toluene	ND	0.049	mg/Kg	1	8/22/2019 5:42:50 AM	46903
Ethylbenzene	ND	0.049	mg/Kg	1	8/22/2019 5:42:50 AM	46903
Xylenes, Total	ND	0.098	mg/Kg	1	8/22/2019 5:42:50 AM	46903
Surr: 1,2-Dichloroethane-d4	107	70-130	%Rec	1	8/22/2019 5:42:50 AM	46903
Surr: 4-Bromofluorobenzene	85.6	70-130	%Rec	1	8/22/2019 5:42:50 AM	46903
Surr: Dibromofluoromethane	109	70-130	%Rec	1	8/22/2019 5:42:50 AM	46903
Surr: Toluene-d8	96.3	70-130	%Rec	1	8/22/2019 5:42:50 AM	46903

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 6 of 15

Sandstone CS 1908979-007

Project:

Lab ID:

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1908979

Date Reported: 8/28/2019

Result	RL Qual Units DF Date Analyzed	B
Matrix: SOIL	Collection Date: 8/14/2019 4:00:00 PM Received Date: 8/16/2019 7:57:00 AM	
	Client Sample ID: SB-4@ 16'-17'	

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	60	mg/Kg	20	8/22/2019 12:45:36 PM	46985
EPA METHOD 8015D MOD: GASOLINE RANGE	1				Analyst	: DJF
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	8/22/2019 6:12:05 AM	46903
Surr: BFB	94.5	70-130	%Rec	1	8/22/2019 6:12:05 AM	46903
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	8.9	mg/Kg	1	8/21/2019 6:36:12 PM	46911
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	8/21/2019 6:36:12 PM	46911
Surr: DNOP	89.2	70-130	%Rec	1	8/21/2019 6:36:12 PM	46911
EPA METHOD 8260B: VOLATILES SHORT LIST	г				Analyst	DJF
Benzene	ND	0.023	mg/Kg	1	8/22/2019 6:12:05 AM	46903
Toluene	ND	0.046	mg/Kg	1	8/22/2019 6:12:05 AM	46903
Ethylbenzene	ND	0.046	mg/Kg	1	8/22/2019 6:12:05 AM	46903
Xylenes, Total	ND	0.093	mg/Kg	1	8/22/2019 6:12:05 AM	46903
Surr: 1,2-Dichloroethane-d4	97.2	70-130	%Rec	1	8/22/2019 6:12:05 AM	46903
Surr: 4-Bromofluorobenzene	89.9	70-130	%Rec	1	8/22/2019 6:12:05 AM	46903
Surr: Dibromofluoromethane	98.3	70-130	%Rec	1	8/22/2019 6:12:05 AM	46903
Surr: Toluene-d8	96.7	70-130	%Rec	1	8/22/2019 6:12:05 AM	46903

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
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- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Sandstone CS

Project:

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order **1908979** Date Reported: **8/28/2019**

Client Sample ID: SB-4@ 30'-33' Collection Date: 8/14/2019 4:15:00 PM Received Date: 8/16/2019 7:57:00 AM

Lab ID: 1908979-008	Matrix: SOIL Received Date: 8/16/2019 7:57:00 AM				16/2019 7:57:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	ND	60	mg/Kg	20	8/22/2019 12:58:01 PM	46985
EPA METHOD 8015D MOD: GASOLII	NE RANGE				Analyst:	DJF
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/22/2019 6:41:03 AM	46903
Surr: BFB	101	70-130	%Rec	1	8/22/2019 6:41:03 AM	46903
EPA METHOD 8015M/D: DIESEL RAI	NGE ORGANICS				Analyst:	BRM
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	8/21/2019 6:58:29 PM	46911
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/21/2019 6:58:29 PM	46911
Surr: DNOP	98.0	70-130	%Rec	1	8/21/2019 6:58:29 PM	46911
EPA METHOD 8260B: VOLATILES S	HORT LIST				Analyst:	DJF
Benzene	ND	0.024	mg/Kg	1	8/22/2019 6:41:03 AM	46903
Toluene	ND	0.049	mg/Kg	1	8/22/2019 6:41:03 AM	46903
Ethylbenzene	ND	0.049	mg/Kg	1	8/22/2019 6:41:03 AM	46903
Xylenes, Total	ND	0.097	mg/Kg	1	8/22/2019 6:41:03 AM	46903
Surr: 1,2-Dichloroethane-d4	108	70-130	%Rec	1	8/22/2019 6:41:03 AM	46903
Surr: 4-Bromofluorobenzene	92.6	70-130	%Rec	1	8/22/2019 6:41:03 AM	46903
Surr: Dibromofluoromethane	110	70-130	%Rec	1	8/22/2019 6:41:03 AM	46903
Surr: Toluene-d8	93.5	70-130	%Rec	1	8/22/2019 6:41:03 AM	46903

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

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Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1908979

Date Reported: 8/28/2019

•					
Client Sample ID: SB-4@ 48'-50' Collection Date: 8/14/2019 4:40:00 PM Matrix: SOIL Received Date: 8/16/2019 7:57:00 AM					
Result	RL	Qual Units	DF	Date Analyzed	Batch
				Analys	t: CAS
ND	60	mg/Kg	20	8/22/2019 1:10:26 PM	46985
INE RANGE				Analys	t: DJF
ND	4.9	mg/Kg	1	8/22/2019 7:10:01 AM	46903
92.9	70-130	%Rec	1	8/22/2019 7:10:01 AM	46903
NGE ORGANICS				Analys	t: BRM
ND	9.3	mg/Kg	1	8/21/2019 7:21:00 PM	46911
ND	47	mg/Kg	1	8/21/2019 7:21:00 PM	46911
91.5	70-130	%Rec	1	8/21/2019 7:21:00 PM	46911
SHORT LIST				Analys	t: DJF
ND	0.024	mg/Kg	1	8/22/2019 7:10:01 AM	46903
ND	0.049	mg/Kg	1	8/22/2019 7:10:01 AM	46903
ND	0.049	mg/Kg	1	8/22/2019 7:10:01 AM	46903
ND	0.098	mg/Kg	1	8/22/2019 7:10:01 AM	46903
107	70-130	%Rec	1	8/22/2019 7:10:01 AM	46903
90.0	70-130	%Rec	1	8/22/2019 7:10:01 AM	46903
	Result ND ND 92.9 NGE ORGANICS ND 91.5 SHORT LIST ND	Matrix: SOIL Result RL ND Result RL ND 60 INE RANGE ND 4.9 92.9 70-130 INGE ORGANICS ND 9.3 ND 9.15 70-130 SHORT LIST ND 0.024 ND 0.049 ND ND 0.049 ND	ND 4.9 mg/Kg ND 4.9 mg/Kg ND 4.9 mg/Kg 92.9 70-130 %Rec ND 9.3 mg/Kg ND 9.3 mg/Kg 91.5 70-130 %Rec SHORT LIST ND 0.024 mg/Kg ND 0.049 mg/Kg ND 0.098 mg/Kg ND 0.098 mg/Kg ND 0.098 mg/	ND 60 mg/Kg 20 ND 60 mg/Kg 20 ND 4.9 mg/Kg 1 92.9 70-130 %Rec 1 ND 9.3 mg/Kg 1 ND 47 mg/Kg 1 91.5 70-130 %Rec 1 SHORT LIST ND 0.024 mg/Kg 1 ND 0.049 mg/Kg 1 ND 0.049 mg/Kg 1 ND 0.024 mg/Kg 1 ND 0.049 mg/Kg 1 ND 0.098 mg/Kg 1 ND 0.098<	ND 4.9 mg/Kg 1 8/21/2019 7:57:00 AM ND 60 mg/Kg 20 8/22/2019 7:57:00 AM ND 60 mg/Kg 20 8/22/2019 7:57:00 AM INE RANGE Analysis ND 60 mg/Kg 20 8/22/2019 1:10:26 PM INE RANGE Analysis ND 4.9 mg/Kg 1 8/22/2019 7:10:01 AM 92.9 70-130 %Rec 1 8/22/2019 7:10:01 AM NGE ORGANICS Analysis ND 9.3 mg/Kg 1 8/21/2019 7:21:00 PM ND 9.3 mg/Kg 1 8/21/2019 7:21:00 PM ND 9.3 mg/Kg 1 8/21/2019 7:21:00 PM ND 0.47 mg/Kg 1 8/21/2019 7:21:00 PM SHORT LIST ND 0.024 mg/Kg 1 8/22/2019 7:10:01 AM ND 0.049 mg/Kg 1 8/22/2019 7:10:01 AM M ND 0.049

110

97.0

70-130

70-130

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

1

1

8/22/2019 7:10:01 AM

8/22/2019 7:10:01 AM

46903

46903

%Rec

%Rec

- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Surr: Dibromofluoromethane

Surr: Toluene-d8

Sandstone CS

Project:

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1908979

Date Reported: 8/28/2019

Client Sample ID: SB-4@ 23'-25' Collection Date: 8/14/2019 4:45:00 PM Received Date: 8/16/2019 7:57:00 AM

Lab ID: 1908979-010	Matrix: SOIL Received Date: 8/16/2019 7:57:00 AM				16/2019 7:57:00 AM	AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst:	CAS	
Chloride	ND	61	mg/Kg	20	8/22/2019 1:22:50 PM	46985	
EPA METHOD 8015D MOD: GASOLI	NE RANGE				Analyst:	DJF	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	8/22/2019 12:42:34 PM	46903	
Surr: BFB	92.8	70-130	%Rec	1	8/22/2019 12:42:34 PM	46903	
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst:	BRM	
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	8/21/2019 11:39:47 AM	46912	
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	8/21/2019 11:39:47 AM	46912	
Surr: DNOP	82.2	70-130	%Rec	1	8/21/2019 11:39:47 AM	46912	
EPA METHOD 8260B: VOLATILES S	HORT LIST				Analyst:	DJF	
Benzene	ND	0.024	mg/Kg	1	8/22/2019 12:42:34 PM	46903	
Toluene	ND	0.048	mg/Kg	1	8/22/2019 12:42:34 PM	46903	
Ethylbenzene	ND	0.048	mg/Kg	1	8/22/2019 12:42:34 PM	46903	
Xylenes, Total	ND	0.097	mg/Kg	1	8/22/2019 12:42:34 PM	46903	
Surr: 1,2-Dichloroethane-d4	107	70-130	%Rec	1	8/22/2019 12:42:34 PM	46903	
Surr: 4-Bromofluorobenzene	89.0	70-130	%Rec	1	8/22/2019 12:42:34 PM	46903	
Surr: Dibromofluoromethane	108	70-130	%Rec	1	8/22/2019 12:42:34 PM	46903	
Surr: Toluene-d8	97.2	70-130	%Rec	1	8/22/2019 12:42:34 PM	46903	

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

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- % 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 10 of 15

	WO#:	1908979
boratory, Inc.		28-Aug-19

Client: Project:	ENSOLU Sandstone										
Sample ID: N	IB-46964	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	300.0: Anions	S		
Client ID: P	PBS	Batch	ID: 46	964	F	RunNo: 6	2353				
Prep Date:	8/21/2019	Analysis D	ate: 8/	22/2019	S	SeqNo: 2	119648	Units: mg/K	g		
Analyte Chloride		Result ND	PQL 1.5	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: L	.CS-46964	SampT	ype: LC	S	Tes	tCode: El	PA Method	300.0: Anions	S		
Client ID: L	CSS	Batch	ID: 46	964	F	RunNo: 6	2353				
Prep Date:	8/21/2019	Analysis D	ate: 8/	22/2019	S	SeqNo: 2	119649	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	94.6	90	110			
Sample ID: N	/B-46985	SampT	ype: m k	olk	Tes	tCode: El	PA Method	300.0: Anions	S		
Client ID: P	BS	Batch	ID: 46	985	F	RunNo: 62	2350				
Prep Date:	8/22/2019	Analysis D	ate: 8/	22/2019	S	SeqNo: 2	119770	Units: mg/K	g		
Analyte Chloride		Result ND	PQL 1.5	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: L	.CS-46985	SampT	ype: Ics	;	Tes	tCode: El	PA Method	300.0: Anions	s		
Client ID: L	.css	Batch	ID: 46	985	F	RunNo: 6	2350				
Prep Date:	8/22/2019	Analysis D	ate: 8/	22/2019	5	SeqNo: 2	119771	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	95.0	90	110			

Qualifiers:

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- E Value above quantitation range
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- P Sample pH Not In Range
- RL Reporting Limit

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WO#:	19089	79
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28-Aug-19

Client: ENSOL	UM
Project: Sandston	ne CS
Sample ID: LCS-46912	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 46912 RunNo: 62286
Prep Date: 8/20/2019	Analysis Date: 8/21/2019 SeqNo: 2116452 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	44 10 50.00 0 88.0 63.9 124
Surr: DNOP	3.7 5.000 74.6 70 130
Sample ID: MB-46912	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 46912 RunNo: 62286
Prep Date: 8/20/2019	Analysis Date: 8/21/2019 SeqNo: 2116453 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	8.4 10.00 84.2 70 130
Sample ID: MB-46911	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 46911 RunNo: 62249
Prep Date: 8/20/2019	Analysis Date: 8/21/2019 SeqNo: 2117215 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	9.7 10.00 96.6 70 130
Sample ID: MB-46911	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 46911 RunNo: 62249
Prep Date: 8/20/2019	Analysis Date: 8/21/2019 SeqNo: 2117216 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	9.9 10.00 98.6 70 130
Sample ID: LCS-46911	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 46911 RunNo: 62249
Prep Date: 8/20/2019	Analysis Date: 8/21/2019 SeqNo: 2117217 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	60 10 50.00 0 119 63.9 124
Surr: DNOP	4.5 5.000 90.2 70 130

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- 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

Sandstone CS

Client:

Project:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

. Released to	Imaging:	3/25/2022	10:45:46 AM	

Sample ID: LCS-46911	SampT	ype: LC	S	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 46911			RunNo: 62249						
Prep Date: 8/20/2019	Analysis Date: 8/21/2019			SeqNo: 2117218			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	104	63.9	124			
Surr: DNOP	4.5		5.000		89.4	70	130			
Sample ID: 1908979-010AMS	SampType: MS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: SB-4@ 23'-25'	Batch ID: 46912			RunNo: 62286						
Prep Date: 8/20/2019	Analysis Date: 8/21/2019			SeqNo: 2117562			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	9.9	49.60	2.325	84.0	57	142			
Surr: DNOP	3.1		4.960		62.9	70	130			S
Sample ID: 1908979-010AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics										
Client ID: SB-4@ 23'-25'	Batch ID: 46912			RunNo: 62286						
Prep Date: 8/20/2019	Analysis Date: 8/21/2019			SeqNo: 2117563			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	9.8	49.02	2.325	86.8	57	142	1.91	20	
Surr: DNOP	3.3		4.902		66.7	70	130	0	0	S
Sample ID: MB-46940	SampT	ype: ME	BLK	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 46940			RunNo: 62330						
Prep Date: 8/21/2019	Analysis D	ate: 8/ 2	22/2019	S	SeqNo: 2	118181	Units: %Rec	;		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		105	70	130			
Sample ID: LCS-46940	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 46940			RunNo: 62330						
Prep Date: 8/21/2019	Analysis Date: 8/22/2019			SeqNo: 2118182			Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.4		5.000		88.6	70	130			

Qualifiers:

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RL Reporting Limit

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- WO#: **1908979** 28-Aug-19

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: ENSOLUM Project: Sandstone CS

Sample ID: Ics-46903	Samp	SampType: LCS TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: LCSS	Batc	h ID: 469	903	R	RunNo: 62292					
Prep Date: 8/19/2019	Analysis [Date: 8/ 3	20/2019	S	eqNo: 2	16842	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	92.5	68	135			
Toluene	0.99	0.050	1.000	0	99.3	70	130			
Ethylbenzene	1.0	0.050	1.000	0	100	70	130			
Xylenes, Total	3.1	0.10	3.000	0	104	70	130			
Surr: 1,2-Dichloroethane-d4	0.50		0.5000		99.5	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		96.8	70	130			
Surr: Dibromofluoromethane	0.53		0.5000		107	70	130			
Surr: Toluene-d8	0.49		0.5000		99.0	70	130			
Sample ID: mb-46903	SampType: MBLK TestCode: EPA Method 8260B: Volatiles Short List									
	Camp	ype. Mil		165		A Method	0200D. VOIdi	lies Short	LIST	
Client ID: PBS	•	h ID: 469			tunNo: 62			lies Short	LIST	
•	•	h ID: 469	903	R		2292	Units: mg/K		LIST	
Client ID: PBS	Batc	h ID: 469	903 20/2019	R	unNo: 62	2292			RPDLimit	Qual
Client ID: PBS Prep Date: 8/19/2019	Batc Analysis [h ID: 46 9 Date: 8/ 2	903 20/2019	R	tunNo: 6 2 SeqNo: 2 1	2292 116843	Units: mg/K	g		Qual
Client ID: PBS Prep Date: 8/19/2019 Analyte	Batc Analysis I Result	h ID: 46 9 Date: 8/ 2 PQL	903 20/2019	R	tunNo: 6 2 SeqNo: 2 1	2292 116843	Units: mg/K	g		Qual
Client ID: PBS Prep Date: 8/19/2019 Analyte Benzene	Analysis I Result ND	h ID: 469 Date: 8/2 PQL 0.025	903 20/2019	R	tunNo: 6 2 SeqNo: 2 1	2292 116843	Units: mg/K	g		Qual
Client ID: PBS Prep Date: 8/19/2019 Analyte Benzene Toluene Ethylbenzene	Batc Analysis I Result ND ND	h ID: 46 9 Date: 8 /2 PQL 0.025 0.050	903 20/2019	R	tunNo: 6 2 SeqNo: 2 1	2292 116843	Units: mg/K	g		Qual
Client ID: PBS Prep Date: 8/19/2019 Analyte Benzene Toluene	Batc Analysis I Result ND ND ND	h ID: 469 Date: 8/2 PQL 0.025 0.050 0.050	903 20/2019	R	tunNo: 6 2 SeqNo: 2 1	2292 116843	Units: mg/K	g		Qual
Client ID: PBS Prep Date: 8/19/2019 Analyte Benzene Toluene Ethylbenzene Kylenes, Total	Batc Analysis I Result ND ND ND ND	h ID: 469 Date: 8/2 PQL 0.025 0.050 0.050	903 20/2019 SPK value	R	RunNo: 63 SeqNo: 2 %REC	2292 116843 LowLimit	Units: mg/K HighLimit	g		Qual
Client ID: PBS Prep Date: 8/19/2019 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 1,2-Dichloroethane-d4	Batc Analysis I Result ND ND ND ND 0.50	h ID: 469 Date: 8/2 PQL 0.025 0.050 0.050	003 20/2019 SPK value 0.5000	R	2unNo: 63 GeqNo: 2 %REC 100	2292 116843 LowLimit 70	Units: mg/K HighLimit 130	g		Qual
Client ID: PBS Prep Date: 8/19/2019 Analyte enzene bluene hylbenzene denes, Total Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene	Batc Analysis I Result ND ND ND ND 0.50 0.51	h ID: 469 Date: 8/2 PQL 0.025 0.050 0.050	003 20/2019 SPK value 0.5000 0.5000	R	2unNo: 62 SeqNo: 2 %REC 100 102	2292 116843 LowLimit 70 70	Units: mg/K HighLimit 130 130	g		Qual

Qualifiers:

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- 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

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WO#: **1908979**

28-Aug-19

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IMAKY KEPUKI	WO#:	1908979	
ronmental Analysis Laboratory, Inc.		28-Aug-19	

Client:ENSOLProject:Sandston	-									
Sample ID: Ics-46903		ype: LC					8015D Mod:	Gasoline	Range	
Client ID: LCSS	Batch	Batch ID: 46903 RunNo: 62292								
Prep Date: 8/19/2019	Analysis D	ate: 8/ 2	20/2019	S	eqNo: 2	16854	Units: mg/#	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	5.0	25.00	0	81.0	70	130			
Surr: BFB	460		500.0		92.4	70	130			
Sample ID: mb-46903	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8015D Mod:	Gasoline	Range	
Client ID: PBS	Batch	n ID: 469	903	R	unNo: 62	2292				
Prep Date: 8/19/2019	Analysis D	ate: 8/	20/2019	S	eqNo: 2	16855	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	470		500.0		93.4	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
- Practical Quanitative Limit PQL
- % 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 15

Received by OCD: 8/10/2020 9:33:34 AM

ANAL	RONMENTAL Ysis Ratory	Z TEL: 505-345-39	tal Analysis Labora 4901 Hawkins Albuquerque, NM 87 075 FAX: 505-345-4 hallenvironmental.	s NE 7109 Sam 1107	nple Log-In Che	eck List
Client Name:	ENSOLUM AZTEC	Work Order Numb	ber: 1908979		RcptNo: 1	
Received By: Completed By: Reviewed By:	Anne Thorne Yazmine Garduno MY	8/16/2019 7:57:00 / 8/19/2019 10:15:42 080040		Arne Ar- apyrin lifnaste		
	stody Sustody complete? sample delivered?		Yes ⊻ <u>Courier</u>	No 🗌	Not Present	
<u>Log In</u> 3. Was an atten	npt made to cool the sample	s?	Yes 🗹	No 🗌	NA 🗌	
4. Were all sam	ples received at a temperati	ire of >0° C to 6.0°C	Yes 🗸	No 🗌		
5. Sample(s) in	proper container(s)?		Yes 🗹	No 🗌		
7. Are samples (nple volume for indicated tes (except VOA and ONG) prop ative added to bottles?		Yes ✔ Yes ✔ Yes □	No 🗌 No 🛄 No 🗹	NA 🗔	
9. VOA vials hav	ve zero headspace? mple containers received bro	-lure D	Yes 🗌 Yes 🗍	No 🗌 No 🔽 T	No VOA Vials 🗹	
11. Does paperwe (Note discrep:	ork match bottle labels? ancies on chain of custody)		Yes ✔	No 🗌	# of preserved bottles checked for pH: (<2 or <12 Adjusted?	unless noted)
3. Is it clear wha 14. Were all holdi	correctly identified on Chain it analyses were requested? ing times able to be met? ustomer for authorization.)	•	Yes ☑ Yes ☑ Yes ☑	No 🗌 No 🗌 No 🗌	Checked by: DA	D 8//9/19
Special Handi	ling (if applicable)					
Person By Who Regard	p	th this order? Date Via:	Yes	No	NA 🗹	
16. Additional re	······································	n ('mill') 'n ' mill in		· · · · · · · · · · · ·	. mbar	
17. <u>Cooler Info</u> Cooler No	hereiten eine eine der eine eine eine eine eine der	Seal Intact Seal No	Seal Date	Signed By		

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<u> </u>	Client:				Turn-Around	Time:		ור								s				.	Kecen
Client:	Enso	olum, l	LC			l 🗆 Rusi	h	HALL ENVIRONMENTAL													
		,			Project Nam	e:		11											KA		T 31
Mailing	Address	3: 6065	i Rio Corande	SuiteA	- Sand	stone C	S		40	004 L					/iron						
		1 894			Project #: S	ee netes				el. 50								iM 87 ⊢410 ⁻			\$/1W.
Phone										01. 01					ysis		_				2020
email o	email or Fax#: Ksummers@ ensolum.com				Project Mana	ager: KSUM	mers	÷	Ô	İ				SO4]			0 9:55:54
QA/QC Package:								(8021)	MRO)	PCB's		<u>Ч</u>					bser				5:34
□ Star			Level 4 (Full	Validation)		Sampler Roughille						OSI		PO4,			nt/Al				AM
Accredi		□ Az Co □ Other	ompliance r			Z <u>Ouchil</u> XYes	My	BTEX / MTBE / TMB's (8021) BTEX / MTBE / TMB's (8021) TPH:8015D(GRO / DRO / MRO) 8081 Pesticides/8082 PCB's 8081 Pesticides/8082 PCB's EDB (Method 504.1) PAHs by 8310 or 8270SIMS RCRA 8 Metals CI, F, Br, NO ₃ , NO ₂ , PO ₄ , SO 8260 (VOA) 8270 (Semi-VOA) Total Coliform (Present/Absent) C'N\o vÀdC													
			·		On Ice: # of Coolers:	Provide a second s	1 No	<u> </u>	0R0	des/	20	D D O	als	NO ₃ ,		ð	n (P	Y			
					. http://www.com/www.com/www.com/	source construction of the	-Oruge=1.0		5D((sticio	sthoo	831	8 Metals	Ň	R	-imi	iforn	ŶŲ			
]			Container	Dressmithe		~	:801	Pe	₹.	s by	A 8	B	ž	(Se	S	C 11/0			
Date	Time	Matrix	Sample Nam	<u>ie</u>	Type and #	Type	1908079	BTEX	TPH:8015D(GRO /	8081	EDB (Method 504.1)	PAHs by 8310 or	RCRA	CI, F,	8260 (VOA)	8270 (Semi-VOA)	Total	U C			
8/12/19	1310	S	SB-10	17-20'	1x Yoz Jar		-001	X	X					-			<u> </u>	\mathbf{X}		-	+
8/12/19	1315	5	SB-10	ι.	1x 402 Jar		-002	X	$\mathbf{\chi}$							-		X	-+	+-	++
8 14/19	930	S	SB-le	50-52	1x Yoz Jar	6001	-003	X	χ									X	-	-	
8 14 19	1245	S	5B-6ª	24-25'	1x 462 Jar	(06)	-DOM	X	X									X	+	-	
8/14/19	1250	S	SB-60	30-32	1x 402 Jar	(00)	-005	X	X			-						X			++
814/19	1300	S	SB-40	48-50	1x 402 Jar	(00)	-00/	X	\mathbf{X}									\mathbf{x}		-	
811419	1600	5	5B-40	16-17'	1x Yoz Jar	C00	-001	X	X								_	Ż	-		+ +
81419	1615	5	5B-4@	30-33	1x Yuz Jar	cool	-009	X	X					·				V	+		\uparrow
8/14/19	1640	S	<u>53-40</u>	48'-50'	1 x Yoz JAr	(00)	-009	$ \neq$	X									λ.			+
51419		S	5B-40	23-25'	1×402 Jar	1001	-010	X	X						Ī			X			++
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Deter	T !													Τ							
Date:	Time:	Relinquishe			Received by:	Via:	Date Time	Ren	narks	5:			bu	۸	5	n	Lo	ing	(E	PROV	3)
	1548 Time:	<u> </u>	ad by:		Received by:	Wai VIIE	- *//s//9_/548	Remarks: PM - Tom Long (EPROD) Paykey- GG11580													
8/10/10	1011	$\left[\bigcap_{k=1}^{k} \right] \left[\bigcap_{i=1}^{k} \right]$			\cup / /	1 1 08/16/19															e 148
				antal may be sub-			UISI IGUNA	e	. 114					·					<u> </u>		lo
		∇		and may be subu		orequied appliatolie	s. This serves as notice of this	possi	эшту. А	Any sub	-contr	acted	data w	nli be (clearly	notate	ed on t	the ana	lytical r	eport.	180

. Released to Imaging: 3/25/2022 10:45:46 AM

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8



August 29, 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.: 1908C35

Dear Kyle Summers:

RE: Sandstone CS

Hall Environmental Analysis Laboratory received 8 sample(s) on 8/21/2019 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

Sandstone CS

Project:

Analytical Report

Hall Environmental Analysis Laboratory, Inc.
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Lab Order 1908C35

Date Reported: 8/29/2019

Client Sample ID: SB-3 @ 12'-15' Collection Date: 8/15/2019 9:15:00 AM Received Date: 8/21/2019 8:30:00 AM

Lab ID: 1908C35-001	Matrix: SOIL		Received Dat	e: 8/2	21/2019 8:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	60	mg/Kg	20	8/27/2019 5:43:22 PM	47084
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	8/26/2019 1:40:33 PM	47012
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	8/26/2019 1:40:33 PM	47012
Surr: DNOP	96.2	70-130	%Rec	1	8/26/2019 1:40:33 PM	47012
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/23/2019 5:12:42 PM	46998
Surr: BFB	93.5	77.4-118	%Rec	1	8/23/2019 5:12:42 PM	46998
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	8/23/2019 5:12:42 PM	46998
Toluene	ND	0.049	mg/Kg	1	8/23/2019 5:12:42 PM	46998
Ethylbenzene	ND	0.049	mg/Kg	1	8/23/2019 5:12:42 PM	46998
Xylenes, Total	ND	0.098	mg/Kg	1	8/23/2019 5:12:42 PM	46998
Surr: 4-Bromofluorobenzene	93.8	80-120	%Rec	1	8/23/2019 5:12:42 PM	46998

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 11

Surr: 4-Bromofluorobenzene

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1908C35

Date Reported: 8/29/2019

8/23/2019 5:36:09 PM 46998

CLIENT: ENSOLUM		Cl	lient Sample I	D: SE	8-3@ 22'-24'						
Project: Sandstone CS	Collection Date: 8/15/2019 9:25:00 AM										
Lab ID: 1908C35-002	Matrix: SOIL	Received Date: 8/21/2019 8:30:00 AM									
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch					
EPA METHOD 300.0: ANIONS					Analyst	CAS					
Chloride	ND	60	mg/Kg	20	8/27/2019 6:20:35 PM	47084					
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	BRM					
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	8/26/2019 2:04:59 PM	47012					
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	8/26/2019 2:04:59 PM	47012					
Surr: DNOP	98.3	70-130	%Rec	1	8/26/2019 2:04:59 PM	47012					
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	: NSB					
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	8/23/2019 5:36:09 PM	46998					
Surr: BFB	98.1	77.4-118	%Rec	1	8/23/2019 5:36:09 PM	46998					
EPA METHOD 8021B: VOLATILES					Analyst	: NSB					
Benzene	ND	0.024	mg/Kg	1	8/23/2019 5:36:09 PM	46998					
Toluene	ND	0.048	mg/Kg	1	8/23/2019 5:36:09 PM	46998					
Ethylbenzene	ND	0.048	mg/Kg	1	8/23/2019 5:36:09 PM	46998					
Xylenes, Total	ND	0.096	mg/Kg	1	8/23/2019 5:36:09 PM	46998					

98.7

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 2 of 11

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1908C35

Date Reported: 8/29/2019

CLIENT: ENSOLUM		C	ient Sample I	D: SE	8-5 @13'-15'						
Project: Sandstone CS	Collection Date: 8/15/2019 12:20:00 PM										
Lab ID: 1908C35-003	Matrix: SOIL		Received Dat	e: 8/2	21/2019 8:30:00 AM						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch					
EPA METHOD 300.0: ANIONS					Analyst	CAS					
Chloride	ND	59	mg/Kg	20	8/27/2019 6:32:59 PM	47084					
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	BRM					
Diesel Range Organics (DRO)	ND	8.6	mg/Kg	1	8/26/2019 10:04:37 AM	47012					
Motor Oil Range Organics (MRO)	ND	43	mg/Kg	1	8/26/2019 10:04:37 AM	47012					
Surr: DNOP	107	70-130	%Rec	1	8/26/2019 10:04:37 AM	47012					
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	NSB					
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	8/23/2019 5:59:40 PM	46998					
Surr: BFB	92.3	77.4-118	%Rec	1	8/23/2019 5:59:40 PM	46998					
EPA METHOD 8021B: VOLATILES					Analyst	NSB					
Benzene	ND	0.024	mg/Kg	1	8/23/2019 5:59:40 PM	46998					
Toluene	ND	0.048	mg/Kg	1	8/23/2019 5:59:40 PM	46998					
Ethylbenzene	ND	0.048	mg/Kg	1	8/23/2019 5:59:40 PM	46998					
Xylenes, Total	ND	0.097	mg/Kg	1	8/23/2019 5:59:40 PM	46998					
Surr: 4-Bromofluorobenzene	93.1	80-120	%Rec	1	8/23/2019 5:59:40 PM	46998					

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 11

Lab Order 1908C35

Date Reported: 8/29/2019

CLIENT: ENSOLUM Project: Sandstone CS	Client Sample ID: SB-2 @ 18'-20' Collection Date: 8/15/2019 10:40:00 AM									
Lab ID: 1908C35-004	Matrix: SOIL		Received Dat	e: 8 /2	21/2019 8:30:00 AM	,				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analyst	CAS				
Chloride	63	60	mg/Kg	20	8/27/2019 6:45:25 PM	47084				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	BRM				
Diesel Range Organics (DRO)	17	9.1	mg/Kg	1	8/26/2019 10:33:33 AM	47012				
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	8/26/2019 10:33:33 AM	47012				
Surr: DNOP	104	70-130	%Rec	1	8/26/2019 10:33:33 AM	47012				
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB				
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/24/2019 8:49:24 AM	46998				
Surr: BFB	91.8	77.4-118	%Rec	1	8/24/2019 8:49:24 AM	46998				
EPA METHOD 8021B: VOLATILES					Analyst	: NSB				
Benzene	ND	0.024	mg/Kg	1	8/24/2019 8:49:24 AM	46998				
Toluene	ND	0.049	mg/Kg	1	8/24/2019 8:49:24 AM	46998				
Ethylbenzene	ND	0.049	mg/Kg	1	8/24/2019 8:49:24 AM	46998				
Xylenes, Total	ND	0.098	mg/Kg	1	8/24/2019 8:49:24 AM	46998				
Surr: 4-Bromofluorobenzene	91.8	80-120	%Rec	1	8/24/2019 8:49:24 AM	46998				

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 4 of 11

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Lab Order 1908C35

Date Reported: 8/29/2019

CLIENT: ENSOLUM Project: Sandstone CS	Client Sample ID: SB-2 @22'-25' Collection Date: 8/15/2019 10:45:00 AM								
Lab ID: 1908C35-005	Matrix: SOIL		Received Date	e: 8/2	21/2019 8:30:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	CAS			
Chloride	ND	60	mg/Kg	20	8/27/2019 7:22:38 PM	47084			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	BRM			
Diesel Range Organics (DRO)	ND	8.8	mg/Kg	1	8/26/2019 10:55:41 AM	47012			
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	8/26/2019 10:55:41 AM	47012			
Surr: DNOP	98.3	70-130	%Rec	1	8/26/2019 10:55:41 AM	47012			
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB			
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	8/24/2019 9:12:44 AM	46998			
Surr: BFB	99.5	77.4-118	%Rec	1	8/24/2019 9:12:44 AM	46998			
EPA METHOD 8021B: VOLATILES					Analyst	NSB			
Benzene	ND	0.023	mg/Kg	1	8/24/2019 9:12:44 AM	46998			
Toluene	ND	0.047	mg/Kg	1	8/24/2019 9:12:44 AM	46998			
Ethylbenzene	ND	0.047	mg/Kg	1	8/24/2019 9:12:44 AM	46998			
Xylenes, Total	ND	0.093	mg/Kg	1	8/24/2019 9:12:44 AM	46998			
Surr: 4-Bromofluorobenzene	100	80-120	%Rec	1	8/24/2019 9:12:44 AM	46998			

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 5 of 11

Sandstone CS

1908C35-006

Project:

Lab ID:

Analytical Report Lab Order 1908C35

Lab Order **1908C35** Date Reported: **8/29/2019**

Client Sample ID: SB-7 @10'-13'
Collection Date: 8/15/2019 11:35:00 AM
Received Date: 8/21/2019 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	84	60		mg/Kg	20	8/27/2019 7:35:02 PM	47084
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS					Analyst	BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/26/2019 11:17:45 AM	47012
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/26/2019 11:17:45 AM	47012
Surr: DNOP	103	70-130		%Rec	1	8/26/2019 11:17:45 AM	47012
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/24/2019 9:36:08 AM	46998
Surr: BFB	90.8	77.4-118		%Rec	1	8/24/2019 9:36:08 AM	46998
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.024		mg/Kg	1	8/24/2019 9:36:08 AM	46998
Toluene	ND	0.049		mg/Kg	1	8/24/2019 9:36:08 AM	46998
Ethylbenzene	ND	0.049		mg/Kg	1	8/24/2019 9:36:08 AM	46998
Xylenes, Total	ND	0.098		mg/Kg	1	8/24/2019 9:36:08 AM	46998
Surr: 4-Bromofluorobenzene	91.0	80-120		%Rec	1	8/24/2019 9:36:08 AM	46998

Matrix: SOIL

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 11

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1908C35

Date Reported: 8/29/2019

CLIENT: ENSOLUM	Client Sample ID: SB-7 @ 23'-25' Collection Date: 8/15/2019 11:45:00 AM								
Project: Sandstone CS									
Lab ID: 1908C35-007	Matrix: SOIL		Receiv	ved Dat	e: 8/2	21/2019 8:30:00 AM			
Analyses	Result	RL	RL Qual Units		DF	Batch			
EPA METHOD 300.0: ANIONS						Analyst	CAS		
Chloride	ND	60		mg/Kg	20	8/27/2019 11:43:15 PM	47099		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	BRM		
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/26/2019 11:39:57 AM	47012		
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/26/2019 11:39:57 AM	47012		
Surr: DNOP	101	70-130		%Rec	1	8/26/2019 11:39:57 AM	47012		
EPA METHOD 8015D: GASOLINE RANGE	E					Analyst	NSB		
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/24/2019 9:59:33 AM	46998		
Surr: BFB	89.3	77.4-118		%Rec	1	8/24/2019 9:59:33 AM	46998		
EPA METHOD 8021B: VOLATILES						Analyst	NSB		
Benzene	ND	0.024		mg/Kg	1	8/24/2019 9:59:33 AM	46998		
Toluene	ND	0.049		mg/Kg	1	8/24/2019 9:59:33 AM	46998		
Ethylbenzene	ND	0.049		mg/Kg	1	8/24/2019 9:59:33 AM	46998		
Xylenes, Total	ND	0.098		mg/Kg	1	8/24/2019 9:59:33 AM	46998		
Surr: 4-Bromofluorobenzene	90.0	80-120		%Rec	1	8/24/2019 9:59:33 AM	46998		

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

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VKI	WO#:	1908C35	
sis Laboratory, Inc.		29-Aug-19	

Client:	ENSOI	LUM									
Project:	Sandsto	one CS									
Sample ID:	MB-47084	SampTy	pe: mb	olk	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch I	D: 470	084	F	tunNo: 6	2447				
Prep Date:	8/27/2019	Analysis Dat	te: 8/ 2	27/2019	S	eqNo: 2	124844	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-47084	SampTy	pe: Ics	;	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch I	D: 470	084	F	tunNo: 6	2447				
Prep Date:	8/27/2019	Analysis Dat	te: 8/ 2	27/2019	S	eqNo: 2	124845	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		15	1.5	15.00	0	97.0	90	110			
Sample ID:	MB-47099	SampTy	pe: mb	olk	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch I	D: 470	099	RunNo: 62447						
Prep Date:	8/27/2019	Analysis Dat	te: 8/ 2	27/2019	S	eqNo: 2	124883	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-47099	SampTyp	pe: Ics		Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch I	D: 470	099	RunNo: 62447						
Prep Date:	8/27/2019	Analysis Dat	te: 8/ 2	27/2019	5	eqNo: 2	124884	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	94.8	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

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Page	<i>158</i>	of	18	7
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	WO#:	1908C35
Environmental Analysis Laboratory, Inc.		29-Aug-19

Client: ENSOL Project: Sandsto	-									
Sample ID: LCS-47012	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batch	n ID: 47	012	F	RunNo: 6 2	2411				
Prep Date: 8/23/2019	Analysis D	ate: 8/	26/2019	S	SeqNo: 2	121721	Units: mg/#	(g		
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	4.7		5.000		94.3	70	130			
Sample ID: MB-47012	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batch	n ID: 47	012	RunNo: 62411						
Prep Date: 8/23/2019	Analysis D	ate: 8/	26/2019	S	SeqNo: 2	121724	Units: mg/k	ſg		
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		106	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

- 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

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	DLUM									
Project: Sands	stone CS									
Sample ID: MB-46998	SampType:	MBLK	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	е		
Client ID: PBS	ient ID: PBS Batch ID: 46998			RunNo: 62392						
Prep Date: 8/22/2019	Analysis Date:	8/23/2019	5	SeqNo: 21	20740	Units: mg/K	(g			
Analyte	Result PC	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	ND 5	5.0								
Surr: BFB	960	1000		95.9	77.4	118				
Sample ID: LCS-46998	SampType:	LCS	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e		
Client ID: LCSS	Batch ID:	46998	F	RunNo: 62	2392					
Prep Date: 8/22/2019	Analysis Date:	8/23/2019	5	SeqNo: 21	20741	Units: mg/K	(g			
Analyte	Result PC	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	22 5	5.0 25.00	0	88.5	80	120				
Surr: BFB	1100	1000		105	77.4	118				

- * 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

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WO#: 1908C35 29-Aug-19

WO#:	1	908	C35

29-Aug-19

Client: ENS	OLUM									
Project: Sand	stone CS									
Sample ID: MB-46998	Samp	Туре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batc	h ID: 46	998	F	RunNo: 6	2392				
Prep Date: 8/22/2019	Analysis I	Date: 8/	23/2019	S	SeqNo: 2	120761	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	0.97		1.000		96.6	80	120			
Sample ID: LCS-46998	Samp	Type: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batc	h ID: 46	998	F	RunNo: 6	2392				
Prep Date: 8/22/2019	Analysis I	Date: 8/	23/2019	S	SeqNo: 2	120762	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	98.3	80	120			
Toluene	1.0	0.050	1.000	0	102	80	120			
Ethylbenzene	1.0	0.050	1.000	0	102	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	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

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<i>Received by OCD: 8/10/2020 9:33:34 AM</i>	
HALL	Hall Environmental Analysis Laboratory
ENVIRONMENTAL	4901 Hawkins NE

YSIS

Sample Log-In Check List

LABOR	ATORY	TEL: 505-345-3975 Website: www.ha			
Client Name:	ENSOLUM AZTEC	Work Order Number:	1908C35		RcptNo: 1
Received By:	Isaiah Ortiz	8/21/2019 8:30:00 AM		<i>z</i> ~, 0	
Completed By: Reviewed By:	Leah Baca	8/21/2019 2:11:42 PM テ しこ 19		Lad Bra	٤.
Chain of Cust	tody				
1. Is Chain of Cu	stody complete?		Yes 🗹	No 🗌	Not Present
2. How was the s	sample delivered?		Courier		
Log In				,	
 Was an attem 	pt made to cool the samp	les?	Yes 🗹	Νο	NA
4. Were all samp	les received at a tempera	ture of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗌
5. Sample(s) in p	proper container(s)?		Yes 🗹	No 🗌	
Sufficient sample	ple volume for indicated te	est(s)?	Yes 🗹	No 🗌	
7. Are samples (e	except VOA and ONG) pro	operly preserved?	Yes 🗹	No 🗌	
3. Was preservat	ive added to bottles?		Yes 🗌	No 🔽	NA 🗔
9. VOA vials have	e zero headspace?		Yes 🗌	No 🗌	No VOA Vials 🗹
0. Were any sam	ple containers received b	roken?	Yes 🛄	No 🗹	# of preserved
	rk match bottle labels?	N N	Yes 🗹	No 🗌	bottles checked for pH: (<2 or >12 unless note
	ncies on chain of custody orrectly identified on Chai	-	Yes 🗹	No 🗔	Adjusted?
	analyses were requested	•	Yes 🗹	No 🗌	
4. Were all holdin	ig times able to be met? istomer for authorization.)		Yes 🗹	No 🗌	Checked by: DAD 8/22//
	ng (if applicable)				
	ified of all discrepancies v	with this order?	Yes 🗌	No 🗍	NA 🗹
Person I By Who Regardin	m: ng:	Date Via:] eMail 🛄 I	Phone 🗌 Fax	In Person
6. Additional ren	structions:	· · · · · · · · · · · · · · · · · · ·			
7. <u>Cooler Inforr</u> Cooler No	Temp °C Condition	en fersen en en en en statte hille data data data da fara data a an data da da data data fita da data da	eal Date	Signed By	
1	1.0 Good	Yes			

Albuquerque, NM 87109

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

Page 1 of 1

Client: Ensolumited	Turn-Around	Time:					-										Kecer
Client: Ensolumpuc	Standard	d 🗆 Rusi	n	ן ו ן ז	eith										IEN RAT		-
Im	Project Nam				الايكر سوتير.	(e ¹) 10 - 21, 14 - 14 - 14 - 14 - 14 - 14 - 14 - 14							tal.c				
Mailing Address: 606 S. Ris Corande Suite	al Sands	stone cs		ł	⊿ ¢	101 F									00		D: 0
S Aztee, NM 87410	4901 Hawkins NE - Albuquerque, NM 87109 Project #: Tel. 505-345-3975 Fax 505-345-4107						/10/										
Phone #:	_ ~				1	01. 01	0-0-	-0-00					uesi				2020
email or Fax#: Ksummers or enso lum.con	Project Mana	ager:			î					SO4					`	1	
QA/QC Package:	K	summe	r3	(8021)	MRO)	B's		δ					oser				3.34
□ Standard □ Level 4 (Full Validation)				Ĩ	DRO /	PCB'		8270SIMS		PO₄,			It/A				FAR
Accreditation: 🗆 Az Compliance		Deechil] ₽	DF	082	_	827		NO ₂ ,			eser				
☐ NELAC ☐ Other ☐ EDD (Type)	On Ice:	CAR INCOME HISUSIN- 4	⊡ No		R S	es/8	504	b	s			(A)	P_	se			
	Cooler Temp)(including CE): 1 / •	0.1((E) 1.0.C		5D(GRO	ticid	pou	831(Veta	NO ₃ ,	Â	ni-∖	lorm	2	9		
		an a		1 ~	3015	Pes	Met	à	8	Ъ,	S	(Ser	Coli	Chlorides	Ľ		
Date Time Matrix Sample Name	Container Type and #	Preservative	The second se	BTEX	TPH:801	8081 Pesticides/8082	EDB (Method 504.1)	PAHs by 8310		С, Г	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)		¥402		
8/15/19 915 S SB-30 12-15'	1x Yoz Jar	Type	<u>1908C35</u> -(Y))	 √	<u>ト</u>	<u>ō</u>	<u> </u>	<u> </u>	<u>~</u>	0	8	80	Ĕ	X		╞─┥	
\$115/19 925 S 5B-30 22-24'	1x Yoz Jar		-002	$\overline{\mathbf{X}}$	$\overline{\mathbf{X}}$									$\frac{1}{\sqrt{2}}$		\vdash	
8/15/14 1220 S SB-50 13-15'	1x Ya Sar	coul	-003	K	$\overline{\checkmark}$	-								$\overline{\mathbf{v}}$		╞─┼	
8/15/19 1040 S SB-20 18-20'	1x Yoz Jar	· · · · · · · · · · · · · · · · · · ·	-004	X	X		+	+						$\overline{\checkmark}$	_[+
\$15/19 1045 5 5B-2 @ 22-25	1.	1	-()()5	\checkmark	X									X		r +	+-
8/15/19 1135 S S13-7@ 10-13'	1×4nz Jur		- 006	\checkmark	X								Ť	X			
8/15/19 1145 5 SB-7 C 23-25'	1×42-Jar	(00)	-007	\checkmark	\mathbf{x}							Ī		X			
Phishin 1250 5 58-50 18-20	1×402 Jar	004	-009	×	X	Ŵ								×	X		
												-	-+		_	-+	
Date: Time: Relinquished by:	Received by:	Via:	Date Time	Por	narks												
8/20/19/1027 RUNN	Mutil	n AL	8/p0/19 1027	Ren	Iarks	.		PA	A-	Ta	m	Lor	ng	(EPI	200)		7
Date: Time: Relinquished by:	Received by:	Via:	Date Time					11	<u>у</u> К.	ζу -	- G	Gİ	158	80			age
Spolig 1817 Miste Wallow	K-a	. Comunitari	8/21/19 0830	*	SB	-5	e	18'	- 20	>	Hol	.Q					Page 162 of 180
If necessary, samples submitted to Hall Environmental may be sub	contracted to other ad	ccredited laboratorie											ed on i	the analy	tical repo	urt.	01/10

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P.



September 05, 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.: 1908E66

Dear Kyle Summers:

RE: Sandstone CS

Hall Environmental Analysis Laboratory received 8 sample(s) on 8/24/2019 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

Sandstone CS

Project:

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order **1908E66** Date Reported: **9/5/2019**

Client Sample ID: SB-5@ 23'-25' Collection Date: 8/21/2019 11:15:00 AM Received Date: 8/24/2019 10:00:00 AM

Lab ID: 1908E66-001	Received Dat	e: 8/2	24/2019 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	8/29/2019 5:08:09 PM	47159
EPA METHOD 8015D MOD: GASOLIN	NE RANGE				Analyst	DJF
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	8/28/2019 7:37:16 AM	47067
Surr: BFB	86.8	70-130	%Rec	1	8/28/2019 7:37:16 AM	47067
EPA METHOD 8015M/D: DIESEL RAM	NGE ORGANICS				Analyst	JME
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	8/28/2019 12:36:52 PM	47083
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	8/28/2019 12:36:52 PM	47083
Surr: DNOP	107	70-130	%Rec	1	8/28/2019 12:36:52 PM	47083
EPA METHOD 8260B: VOLATILES SI	HORT LIST				Analyst	DJF
Benzene	ND	0.024	mg/Kg	1	8/28/2019 7:37:16 AM	47067
Toluene	ND	0.048	mg/Kg	1	8/28/2019 7:37:16 AM	47067
Ethylbenzene	ND	0.048	mg/Kg	1	8/28/2019 7:37:16 AM	47067
Xylenes, Total	ND	0.096	mg/Kg	1	8/28/2019 7:37:16 AM	47067
Surr: 1,2-Dichloroethane-d4	113	70-130	%Rec	1	8/28/2019 7:37:16 AM	47067
Surr: 4-Bromofluorobenzene	83.9	70-130	%Rec	1	8/28/2019 7:37:16 AM	47067
Surr: Dibromofluoromethane	116	70-130	%Rec	1	8/28/2019 7:37:16 AM	47067
Surr: Toluene-d8	98.2	70-130	%Rec	1	8/28/2019 7:37:16 AM	47067

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

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Sandstone CS

Project:

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1908E66

Date Reported: 9/5/2019

Client Sample ID: SB-5@ 30'-33' Collection Date: 8/21/2019 11:30:00 AM Received Date: 8/24/2019 10:00:00 AM

Lab ID: 1908E66-002	Matrix: SOIL	Matrix: SOIL Received Date: 8/24/2019 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	8/29/2019 5:45:23 PM	47159			
EPA METHOD 8015D MOD: GASC	LINE RANGE				Analyst	DJF			
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	8/28/2019 8:06:16 AM	47067			
Surr: BFB	87.9	70-130	%Rec	1	8/28/2019 8:06:16 AM	47067			
EPA METHOD 8015M/D: DIESEL F	RANGE ORGANICS				Analyst:	JME			
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	8/28/2019 1:00:53 PM	47083			
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	8/28/2019 1:00:53 PM	47083			
Surr: DNOP	99.9	70-130	%Rec	1	8/28/2019 1:00:53 PM	47083			
EPA METHOD 8260B: VOLATILES	S SHORT LIST				Analyst:	DJF			
Benzene	ND	0.024	mg/Kg	1	8/28/2019 8:06:16 AM	47067			
Toluene	ND	0.048	mg/Kg	1	8/28/2019 8:06:16 AM	47067			
Ethylbenzene	ND	0.048	mg/Kg	1	8/28/2019 8:06:16 AM	47067			
Xylenes, Total	ND	0.096	mg/Kg	1	8/28/2019 8:06:16 AM	47067			
Surr: 1,2-Dichloroethane-d4	108	70-130	%Rec	1	8/28/2019 8:06:16 AM	47067			
Surr: 4-Bromofluorobenzene	87.3	70-130	%Rec	1	8/28/2019 8:06:16 AM	47067			
Surr: Dibromofluoromethane	113	70-130	%Rec	1	8/28/2019 8:06:16 AM	47067			
Surr: Toluene-d8	97.0	70-130	%Rec	1	8/28/2019 8:06:16 AM	47067			

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

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Sandstone CS

1908E66-003

Project:

Lab ID:

Analytical Report

Hall	Environmental	Analysis	Laboratory,	Inc.

Lab Order 1908E66

Date Reported: 9/5/2019

Client Sample ID: SB-5@ 48'-50' Collection Date: 8/21/2019 11:20:00 AM Received Date: 8/24/2019 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	8/29/2019 5:57:47 PM	47159
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: JME
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	8/29/2019 3:56:57 AM	47096
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/29/2019 3:56:57 AM	47096
Surr: DNOP	99.5	70-130	%Rec	1	8/29/2019 3:56:57 AM	47096
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	8/28/2019 10:25:37 AM	47087
Surr: BFB	93.5	77.4-118	%Rec	1	8/28/2019 10:25:37 AM	47087
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	8/28/2019 10:25:37 AM	47087
Toluene	ND	0.047	mg/Kg	1	8/28/2019 10:25:37 AM	47087
Ethylbenzene	ND	0.047	mg/Kg	1	8/28/2019 10:25:37 AM	47087
Xylenes, Total	ND	0.095	mg/Kg	1	8/28/2019 10:25:37 AM	47087
Surr: 4-Bromofluorobenzene	94.8	80-120	%Rec	1	8/28/2019 10:25:37 AM	47087

Matrix: SOIL

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

Qualifiers:

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

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Surr: 4-Bromofluorobenzene

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1908E66

Date Reported: 9/5/2019

8/28/2019 11:36:13 AM 47087

CLIENT: ENSOLUM Client Sample ID: SB-2@ 30'-33'									
Project: Sandstone CS		(Collection Dat	e: 8/2	21/2019 1:40:00 PM				
Lab ID: 1908E66-004	Matrix: SOIL		Received Dat	e: 8/2	24/2019 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	8/29/2019 6:10:12 PM	47159			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	JME			
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	8/29/2019 4:21:21 AM	47096			
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	8/29/2019 4:21:21 AM	47096			
Surr: DNOP	109	70-130	%Rec	1	8/29/2019 4:21:21 AM	47096			
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB			
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	8/28/2019 11:36:13 AM	47087			
Surr: BFB	91.4	77.4-118	%Rec	1	8/28/2019 11:36:13 AM	47087			
EPA METHOD 8021B: VOLATILES					Analyst	: NSB			
Benzene	ND	0.024	mg/Kg	1	8/28/2019 11:36:13 AM	47087			
Toluene	ND	0.048	mg/Kg	1	8/28/2019 11:36:13 AM	47087			
Ethylbenzene	ND	0.048	mg/Kg	1	8/28/2019 11:36:13 AM	47087			
Xylenes, Total	ND	0.096	mg/Kg	1	8/28/2019 11:36:13 AM	47087			

91.7

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
- 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 4 of 14

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1908E66

Date Reported: 9/5/2019

CLIENT: ENSOLUM			ient Sample II			
Project: Sandstone CS		(Collection Dat	e: 8/2	21/2019 1:45:00 PM	
Lab ID: 1908E66-005	Matrix: SOIL		Received Dat	e: 8/2	24/2019 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	8/29/2019 6:22:36 PM	47159
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: JME
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	8/29/2019 4:45:35 AM	47096
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	8/29/2019 4:45:35 AM	47096
Surr: DNOP	103	70-130	%Rec	1	8/29/2019 4:45:35 AM	47096
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	8/28/2019 12:46:57 PM	47087
Surr: BFB	95.7	77.4-118	%Rec	1	8/28/2019 12:46:57 PM	47087
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.023	mg/Kg	1	8/28/2019 12:46:57 PM	47087
Toluene	ND	0.047	mg/Kg	1	8/28/2019 12:46:57 PM	47087
Ethylbenzene	ND	0.047	mg/Kg	1	8/28/2019 12:46:57 PM	47087
Xylenes, Total	ND	0.094	mg/Kg	1	8/28/2019 12:46:57 PM	47087
Surr: 4-Bromofluorobenzene	96.6	80-120	%Rec	1	8/28/2019 12:46:57 PM	47087

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

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Lab Order 1908E66

Date Reported: 9/5/2019

CLIENT: ENSOLUM Project: Sandstone CS Lab ID: 1908E66-006	Client Sample ID: SB-7@ 47'-50' Collection Date: 8/21/2019 5:30:00 PM Matrix: SOIL Received Date: 8/24/2019 10:00:00 AM								
Analyses	Result	RL	Qual Units		Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst				
Chloride	ND	60	mg/Kg	20	, ,	47159			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: JME			
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	8/29/2019 5:09:48 AM	47096			
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	8/29/2019 5:09:48 AM	47096			
Surr: DNOP	102	70-130	%Rec	1	8/29/2019 5:09:48 AM	47096			
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB			
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	8/28/2019 1:10:37 PM	47087			
Surr: BFB	94.6	77.4-118	%Rec	1	8/28/2019 1:10:37 PM	47087			
EPA METHOD 8021B: VOLATILES					Analyst	: NSB			
Benzene	ND	0.023	mg/Kg	1	8/28/2019 1:10:37 PM	47087			
Toluene	ND	0.047	mg/Kg	1	8/28/2019 1:10:37 PM	47087			
Ethylbenzene	ND	0.047	mg/Kg	1	8/28/2019 1:10:37 PM	47087			
Xylenes, Total	ND	0.093	mg/Kg	1	8/28/2019 1:10:37 PM	47087			
Surr: 4-Bromofluorobenzene	95.6	80-120	%Rec	1	8/28/2019 1:10:37 PM	47087			

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

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Xylenes, Total

Surr: 4-Bromofluorobenzene

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1908E66

Date Reported: 9/5/2019

8/28/2019 1:34:14 PM

8/28/2019 1:34:14 PM 47087

47087

CLIENT: ENSOLUM Project: Sandstone CS Lab ID: 1908E66-007	Matrix: SOIL			e: 8/2	3-3@ 33'-34' 22/2019 1:40:00 PM 24/2019 10:00:00 AM	
Analyses	Result	RL			Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	60	mg/Kg	20	8/29/2019 6:47:25 PM	47159
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst	JME
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	8/29/2019 5:33:58 AM	47096
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	8/29/2019 5:33:58 AM	47096
Surr: DNOP	121	70-130	%Rec	1	8/29/2019 5:33:58 AM	47096
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	8/28/2019 1:34:14 PM	47087
Surr: BFB	94.2	77.4-118	%Rec	1	8/28/2019 1:34:14 PM	47087
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	8/28/2019 1:34:14 PM	47087
Toluene	ND	0.048	mg/Kg	1	8/28/2019 1:34:14 PM	47087
Ethylbenzene	ND	0.048	mg/Kg	1	8/28/2019 1:34:14 PM	47087

ND

95.1

0.096

80-120

mg/Kg

%Rec

1

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 7 of 14

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1908E66

Date Reported: 9/5/2019

CLIENT: ENSOLUM		Cl	ient Sa	ample II	D: SE	3-3@ 49'-50'	
Project: Sandstone CS		(Collect	ion Dat	e: 8/2	22/2019 1:45:00 PM	
Lab ID: 1908E66-008	Matrix: SOIL		Recei	ved Dat	e: 8/2	24/2019 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	8/29/2019 7:24:37 PM	47159
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	JME
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/29/2019 5:58:04 AM	47096
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/29/2019 5:58:04 AM	47096
Surr: DNOP	131	70-130	S	%Rec	1	8/29/2019 5:58:04 AM	47096
EPA METHOD 8015D: GASOLINE RANGE						Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/28/2019 1:57:52 PM	47087
Surr: BFB	98.7	77.4-118		%Rec	1	8/28/2019 1:57:52 PM	47087
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.024		mg/Kg	1	8/28/2019 1:57:52 PM	47087
Toluene	ND	0.048		mg/Kg	1	8/28/2019 1:57:52 PM	47087
Ethylbenzene	ND	0.048		mg/Kg	1	8/28/2019 1:57:52 PM	47087
Xylenes, Total	ND	0.095		mg/Kg	1	8/28/2019 1:57:52 PM	47087
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	8/28/2019 1:57:52 PM	47087

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 14

Client: Project:		DLUM stone CS									
Sample ID:	MB-47159	SampTy	/pe: m k	olk	Tes	tCode: EF	A Method	300.0: Anion	S		
Client ID:	PBS	Batch	ID: 47	159	F	RunNo: 62	2527				
Prep Date:	8/29/2019	Analysis Da	ate: 8/	29/2019	S	SeqNo: 21	28255	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-47159	SampTy	/pe: Ics	5	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	ID: 47	159	F	RunNo: 62	2527				
Prep Date:	8/29/2019	Analysis Da	ate: 8/	29/2019	S	SeqNo: 21	28256	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	94.2	90	110			

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
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- 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

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1908E66

09-Sep-19

WO#:

Sample ID: LCS-47083

Prep Date: 8/27/2019

Client ID: LCSS

QC SUMMARY REPORT Hall H

SampType: LCS

Batch ID: 47083

Analysis Date: 8/28/2019

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Hall Environmen			aborat	ory, Inc.					WO#:	1908E66 09-Sep-19
Client:ENSOProject:Sandst	LUM one CS									
Sample ID: MB-47083	SampT	ype: MI	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batcl	h ID: 47	083	F	RunNo: 6	2455				
Prep Date: 8/27/2019	Analysis D	Date: 8 /	28/2019	S	SeqNo: 2	124830	Units: mg/k	٤g		
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		94.9	70	130			

RunNo: 62455

SeqNo: 2124832

TestCode: EPA Method 8015M/D: Diesel Range Organics

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	93.6	63.9	124			
Surr: DNOP	4.6		5.000		91.9	70	130			
Sample ID: MB-47096	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batcl	n ID: 47	096	F	RunNo: 6	2455				
Prep Date: 8/27/2019	Analysis D	ate: 8/	28/2019	5	SeqNo: 2	126367	Units: mg/k	ζg		
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	12		10.00		117	70	130			
Sample ID: LCS-47096	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batcl	n ID: 47	096	F	RunNo: 6	2455				
Prep Date: 8/27/2019	Analysis E	ate: 8/	28/2019	5	SeqNo: 2	126368	Units: mg/k	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	50.00	0	107	63.9	124			
Surr: DNOP	5.5		5.000		109	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

- 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

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Page	174	of 180
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W	VO#:	1908E66
		00 G 10

09-Sep-19

Client: Project:	ENSOLU Sandstone										
Sample ID:	MB-47087	SampTy	ype: ME	BLK	TestCode: EPA Method 8015D: Gasoline Range						
Client ID:	PBS	Batch	ID: 47	087	F	RunNo: 62475					
Prep Date:	8/27/2019	Analysis Da	ate: 8/	28/2019	S	eqNo: 2	125577	Units: mg/K	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	ge Organics (GRO)	ND 970	5.0	1000		97.2	77.4	118			
Sample ID:	LCS-47087	SampTy	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	e	
Client ID:	LCSS	Batch	ID: 47	087	F	RunNo: 62475					
Prep Date:	8/27/2019	Analysis Da	ate: 8/	28/2019	S	eqNo: 2	125578	Units: mg/K	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	ge Organics (GRO)	21	5.0	25.00	0	82.8	80	120			
Surr: BFB		1000		1000		105	77.4	118			
Sample ID:	1908E66-004AMS	SampTy	ype: M \$	6	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	SB-2@ 30'-33'	Batch	ID: 47	087	F	unNo: 62	2475				
Prep Date:	8/27/2019	Analysis Da	ate: 8/	28/2019	5	eqNo: 2	125581	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	22	4.8	24.18	0	91.0	69.1	142			
Surr: BFB		1000		967.1		105	77.4	118			
Sample ID:	1908E66-004AMS	D SampTy	ype: MS	SD	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	e	
Client ID:	SB-2@ 30'-33'	Batch	ID: 47	087	F	tunNo: 62	2475				
Prep Date:	8/27/2019	Analysis Da	ate: 8/	28/2019	5	eqNo: 2	125582	Units: mg/K	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	ge Organics (GRO)	21	4.7	23.47	0	89.5	69.1	142	4.59	20	
Surr: BFB		990		939.0		105	77.4	118	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

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	1908E66

09-Sep-19

Client:	ENSOLU	JM									
Project:	Sandston	e CS									
					TestCode: EPA Method 8021B: Volatiles						
Sample ID:	: MB-47087	Samp	Type: ME	BLK	Tes						
Client ID:	PBS	Bato	ch ID: 470	087	F	RunNo: 62475					
Prep Date:	8/27/2019	Analysis I	Date: 8/	28/2019	SeqNo: 2125624			Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025					0			
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Bron	nofluorobenzene	0.99		1.000		99.5	80	120			
Sample ID:	LCS-47087	Samp	Type: LC	S	Tes	tCode: EF	PA Method	8021B: Volat	tiles		
Client ID:	LCSS	Bato	ch ID: 470	087	RunNo: 62475						
Prep Date:	8/27/2019	Analysis I	Date: 8/	28/2019	S	SeqNo: 2	125625	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	97.6	80	120			
Toluene		1.0	0.050	1.000	0	102	80	120			
Ethylbenzene		1.0	0.050	1.000	0	102	80	120			
Xylenes, Total		3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bron	nofluorobenzene	0.97		1.000		96.5	80	120			
Sample ID:	: 1908E66-003AMS	Samp	Туре: МS	3	Tes	tCode: EF	PA Method	8021B: Volat	tiles		
Client ID:	SB-5@ 48'-50'	Bato	h ID: 47	087	RunNo: 62475						
Prep Date:	8/27/2019	Analysis I	Date: 8/	28/2019	S	SeqNo: 2125627 Units: mg/Kg					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.95	0.024	0.9479	0	99.8	76	123			
Toluene		0.99	0.047	0.9479	0	104	80.3	127			
Ethylbenzene		1.0	0.047	0.9479	0	106	80.2	131			
Xylenes, Total		3.0	0.095	2.844	0	107	78	133			
, ,	nofluorobenzene	0.90	-	0.9479		94.6	80	120			
Sample ID:	: 1908E66-003AMS	D Samp	Туре: М\$	SD	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Campic ID.					F	RunNo: 62	2475				
	SB-5@ 48'-50'	Bato	Batch ID: 47087 Analysis Date: 8/28/2019			SeqNo: 2125628 Units: mg/Kg					
Client ID:	SB-5@ 48'-50' 8/27/2019				S	SeqNo: 2	125628	Units: mg/K	ζg		
Client ID:				28/2019	SPK Ref Val		125628 LowLimit	Units: mg/k HighLimit	(g %RPD	RPDLimit	Qual
Client ID: Prep Date:		Analysis I	Date: 8/	28/2019				_	-	RPDLimit 20	Qual
Client ID: Prep Date: Analyte Benzene		Analysis I Result	Date: 8/ PQL	28/2019 SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD		Qual
Client ID: Prep Date: Analyte		Analysis I Result 1.0	Date: 8/ PQL 0.024	28/2019 SPK value 0.9775	SPK Ref Val 0	%REC 103	LowLimit 76	HighLimit 123	%RPD 5.78	20	Qual
Client ID: Prep Date: Analyte Benzene Toluene	8/27/2019	Analysis I Result 1.0 1.1	Date: 8/ PQL 0.024 0.049	28/2019 SPK value 0.9775 0.9775	SPK Ref Val 0 0	%REC 103 108	LowLimit 76 80.3	HighLimit 123 127	%RPD 5.78 7.18	20 20	Qual

Qualifiers:

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

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ENSOLUM

Sandstone CS

Client:

Project:

Analyte

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Sample ID: mb-47067

Prep Date: 8/26/2019

Surr: 1,2-Dichloroethane-d4

Surr: 4-Bromofluorobenzene

Client ID: PBS

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Result

ND

ND

ND

ND

0.59

0.44

SampType: MBLK

Batch ID: 47067

Analysis Date: 8/27/2019

PQL

0.025

0.050

0.050

0.10

0.5000

0.5000

. Released to Imaging: 3/25/2022 10:45:46 AM

BLK	Tes	Code: EF	PA Method	8260B: Vola	tiles Short	List	
067	R	unNo: 62	2460				
27/2019	S	eqNo: 2	124394	Units: mg/k	٢g		
SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

130

130

70

70

118

87.5

Surr: Dibromofluoromethane	0.60		0.5000		120	70	130			
Surr: Toluene-d8	0.48		0.5000		96.4	70	130			
Sample ID: Ics-47067	Samp	Гуре: LC	S	Tes	tCode: El	PA Method	8260B: Volat	iles Short	List	
Client ID: LCSS	Batc	h ID: 470	067	F	RunNo: 6	2460				
Prep Date: 8/26/2019	Analysis [Date: 8/ 2	27/2019	5	SeqNo: 2	124395	Units: mg/k	ſg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	109	68	135			
Toluene	0.91	0.050	1.000	0	90.5	70	130			
Surr: 1,2-Dichloroethane-d4	0.57		0.5000		114	70	130			
Surr: 4-Bromofluorobenzene	0.42		0.5000		83.2	70	130			
Surr: Dibromofluoromethane	0.55		0.5000		111	70	130			
Surr: Toluene-d8	0.49		0.5000		97.3	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

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WO#: **1908E66**

09-Sep-19

Client: ENSC	DLUM								
Project: Sands	tone CS								
Sample ID: mb-47067	SampType	: MBLK	Tes	tCode: EF	A Method	8015D Mod:	Gasoline	Range	
Client ID: PBS	Batch ID:	Batch ID: 47067 RunNo: 62460							
Prep Date: 8/26/2019	Analysis Date:	8/27/2019	SeqNo: 2124604			Units: mg/Kg			
Analyte	Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0							
Surr: BFB	430	500.0		86.6	70	130			
Sample ID: Ics-47067	SampType	LCS	Tes	tCode: EF	A Method	8015D Mod:	Gasoline	Range	
Client ID: LCSS	Batch ID:	Batch ID: 47067 RunNo: 62460							
Prep Date: 8/26/2019	Analysis Date:	8/27/2019	5	SeqNo: 21	24605	Units: mg/K	g		
Analyte	Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	18	5.0 25.00	0	72.7	70	130			
Surr: BFB	450	500.0		89.0	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

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1908E66

09-Sep-19

WO#:

. Released to Imaging: 3/25/2022 10:45:46 AM

	Page	178	of 187
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ANALY	ONMENTAL SIS Atory		TEL	l Environment Ai L: 505-345-39 Vebsite: www.l	490 Ibuquerq 75 FAX:	1 Hawkir ue, NM 8 505-345-	ns NE 87109 San 4107	nple Log-In C	Pag heck Lis
Name:	ENSOLUM AZT	EC	Work	Order Numbe	er: 190	8E66		RcptNo:	1
ed By:	Anne Thorne		8/24/20	19 10:00:00 /	AM		anne In	~	
ted By:	Yazmine Gard	uno	, 8/26/20 [,]	19 10:50:23 /	AM		Afaznin bifndesi	5	
ed By:	My		08/226/1	9			ų v v		
of Cust	ody								
nain of Cu	stody complete?				Yes	\checkmark	No 🗌	Not Present	
was the s	ample delivered?	?			<u>Cou</u>	rier			
<u>n</u>									
an attemp	ot made to cool th	ne sample	es?		Yes		No 🗌	NA 🗌	
all sampl	les received at a	temperat	ure of >0°C t	o 6.0°C	Yes		No 🗌	NA 🗆	
ple(s) in p	roper container(s)?			Yes		No 🗌		
ient samp	ble volume for ind	icated te	st(s)?		Yes	✓	No 🗍		
amples (e	except VOA and C	ONG) proj	perly preserve	d?	Yes	\checkmark	No 🗌		
preservati	ve added to bottl	es?			Yes		No 🗹	NA 🗌	
vials have	zero headspace	?			Yes		Νο	No VOA Vials 🗹	
any sam	ple containers re-	ceived br	oken?		Yes		No 🗹	# of preserved	
	k match bottle la ncies on chain of				Yes	✓	No 🗌	bottles checked for pH: (<2 or,	12 unless not
	prrectly identified		of Custody?		Yes		No 🗌	Adjusted?	
lear what	analyses were re	quested?)		Yes	✓	No 🗌		
	g times able to be stomer for author				Yes	\checkmark	Νο	Checked by:	DAD 8/26
	ng (if applica	-							
client noti	ified of all discrep	ancies w	ith this order?		Yes		No 🗌	NA 🗹	
Person N	lotified:		·	Date					
By Whor	n:			Via:	🔲 eMa	ail 📋 F	Phone 🔲 Fax	In Person	
Regardin	ig:		·					2 2 2	
Client Ins	structions:		<u> </u>	······································	··· · · · ····	· · · · · ·			
tional rem	arks:						*		,
ler Inform	nation								
ooler No	4	ndition	Seal Intact	Seal No	Seal D	ate 💧	Signed By		
		······					<u> </u>		
		TW. (77). C. 107. sector	9772778						
¥77			19999993 122000 J 52 19 5 5 5 8						
Clien tional ler Int	rem form	nt Instructions: remarks: formation No Temp °C Co 4.6 Goo 2.9 Goo 1.0 Goo	nt Instructions: remarks: formation No Temp °C Condition 4.6 Good 2.9 Good 1.0 Good	nt Instructions: remarks: formation No Temp ^o C Condition Seal Intact 4.6 Good 2.9 Good 1.0 Good	t Instructions: remarks: formation No Temp °C Condition Seal Intact Seal No 4.6 Good 2.9 Good 1.0 Good	t Instructions: remarks: formation No Temp °C Condition Seal Intact Seal No Seal Di 4.6 Good 2.9 Good 1.0 Good	t Instructions: remarks: formation No Temp °C Condition Seal Intact Seal No Seal Date 4.6 Good 2.9 Good 1.0 Good	t Instructions: remarks: formation No Temp °C Condition Seal Intact Seal No Seal Date Signed By 4.6 Good 2.9 Good 1.0 Good	t Instructions: remarks: formation No Temp °C Condition Seal Intact Seal No Seal Date Signed By 4.6 Good 2.9 Good 1.0 Good

Page 1 of 1

Chain-of-Custody Record	Turn-Around Time:					
Client: Ensolum, we	 D∕\$tandard □ Rush	HALL ENVIRONMENTAL				
	Project Name:	www.hallenvironmental.com				
Mailing Address: 6010, SRio Corande SuiteA	Sandstonecs	4901 Hawkins NE - Albuquerque, NM 87109				
S Azter, NM 87410	Project #: See notes	Tel. 505-345-3975 Fax 505-345-4107				
S Phone #:		Analysis Request				
email or Fax#: KSummers of enso lum.com	Project Manager: KS ummers					
QA/QC Package:		s (8021) O / MRO) PCB's SIMS SIMS PO ₄ , SO ₄				
Standard 🛛 Level 4 (Full Validation)		/ DRO / MF / DRO / MF 082 PCB's 8270SIMS 8270SIMS esent/Abse				
Accreditation: Az Compliance	Sampler: P. Decenilly					
► NELAC □ Other □ EDD (Type)	On ice: X Yes □ No # of Coolers: 4	 (/ MTBE / 3015D(GRO 3015D(GRO Pesticides/8 Method 504 (Method 504 Br, NO₃, N Br, NO₃, N (VOA) (Semi-VOA) (Semi-VOA) (Semi-VOA) 				
	Cooler Temp(including CF): See Ry Man S 1	X / MTBE 8015D(GF 8015D(GF 1 Pesticide (Method t s by 8310 (S a Metal: , Br, NO ₃) (VOA)) (VOA)) (VOA)) (VOA)) (Cemi-VC				
		X / M 8015[B015[///M Br, ///////////////////////////////////				
Date Time Matrix Sample Name	Container Preservative HEAL No. Type and # Type	BTEX / MTBE / TPH:8015D(GRO 8081 Pesticides/E EDB (Method 50/ PAHs by 8310 or RCRA 8 Metals CI, F, Br, NO ₃ , I 8260 (VOA) 8270 (Semi-VOA) Total Coliform (Pr <i>Chlond</i> 57				
8/21/19 1115 S SB-5 B 23'-25'	1×402Jar COO1 -001	XX				
8/21/19/1130 S 5B-50 30-33'	1×402 Jar coul -002					
8/21/19 1120 5 58-50 48'-50'	1x402 Jar LOUI -003					
8/21/19 1340 5 58-20 30-33	1x40-Jar cool -ODY					
8/21/19 1345 S SB-2@ 43-45'	1x yoz Jar cool -005					
8/21/19/1730 5 38-7 @ 47-50'	1x 462 Jar COUL - DD4					
817918 1340 S SB-3 C 33-34'	1×412 Jar Coci -001					
8/22/19 1345 5 SB-3 C 49-50'						
Date: Time: Relinquisted by:	Received by: Via: Date Time	Remarks: RM-Tom Long (EPROD)				
8/23/19/1664 - July	(Mest Walter 13/19 1004	4.110.205=4.6 Pay Key- GG11580				
Date: Time: Relinquished by: 8/23/A/746 (hostering) AD-term	Received by: Via: 'Date Time	2,4 TOISE = 1-0				
	(1m 1000	Remarks: $\mathcal{R}M$ -Tom Long (EPPOD) 4. 1 to. SCF = 4.6 Pay K(y- GG11580 2. 4 to. SCI ⁼ = 2.9 0. 5 to. SCI ⁼ = 1.0 0. 5 to. SCI ⁼ = 0.7 possibility. Any sub-contracted data will be clearly notated on the analytical report.				

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eived by OCD: 8/10/20.



APPENDIX H

Regulatory Correspondence

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From:	Long, Thomas
To:	Smith, Cory, EMNRD
Cc:	Stone, Brian
Subject:	RE: Sandstone Compressor Station - UL I Section 32 Township 31 North Range 8 West; 36.853298, -107.690996
Date:	Tuesday, April 30, 2019 7:22:00 AM
Attachments:	Rnt 1904A76 Sandstone CS Final v1.ndf
	Rpt_1904C01_Sandstone_CS_Final_v1.pdf
	jmaqe001.png
	Sandstone CS Site Man, 047619 ndf

Cory,

Please find the attached site sketch and lab reports for Sandstone Compressor Station. Enterprise will have to conduct delineation activities utilizing a drilling rig in the area for S-7, S-8, and S-9 and S-10. I will keep you informed as to when we have the drilling activities scheduled. If you have any questions, please call or email.



From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us> Sent: Thursday, April 25, 2019 11:03 AM To: Long, Thomas <tjlong@eprod.com> Cc: Stone, Brian
dmstone@eprod.com> Subject: RE: Sandstone Compressor Station - UL I Section 32 Township 31 North Range 8 West; 36.853298, -107.690996

Tom,

OCD processed the initial C-141 for the Sandstone Site see below it will be scanned into 3R-1011

NCS1911539620 SANDSTONE COMPRESSOR STATION @ FJK1424831933

General Incident In	formation		
Site Name: Well:	SANDSTONE COMPRESSOR STATION		
Facility:	[fJK1424831933] ENTERPRISE SAN JUAN PIPELINE 3R-1011		
Operator:	[151618] ENTERPRISE FIELD SERVICES L.L.C.		
Status:	Closure Not Approved	Severity:	Minor
Туре:	Other	Surface Owner:	State
District:	Aztec	County:	San Juan (45)
Incident Location:	I-32-31N-08W Lot: 0 FNL 0 FEL		
Lat/Long:	36.853298,-107.690996 NAD83		
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	3		
From: Smith, Cory, EMNRD Sent: Wednesday, April 24, 2019 7:09 To: 'Long, Thomas' < <u>tilong@eprod.cor</u> Cc: Stone, Brian < <u>bmstone@eprod.cor</u> Subject: RE: Sandstone Compressor St	<u>n</u> >		
Tom,			
Enterprise can backfill and get a site	characterization so long as it done within the 90 days since discovery.		
Thanks for the notification ill put it o	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	i		
From: Long, Thomas <tilong@eprod.cc Sent: Tuesday, April 23, 2019 3:40 PM To: Smith, Cory, EMNRD <<u>Cory, Smith</u>, Cc: Stone, Brian <<u>bmstone@eprod.cor</u> Subject: [EXT] FW: Sandstone Compre</tilong@eprod.cc 	<u>Østate.nm.us></u>		
Cory,			
Also, we will be collecting soil samples	for laboratory analysis tomorrow at 1:00 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: Tuesday, April 23, 2019 3:35 PM To: 'Smith, Cory, EMNRD' <<u>Cory, Smith@state.nm.us</u>> Cc: Stone, Brian <<u>bmstone@eprod.com></u> Subject: RE: Sandstone Compressor Station - UL I Section 32 Township 31 North Range 8 West; 36.853298, -107.690996

Cory,

Please find the attached site sketch and lab report for Sandstone Compressor Station. We are going excavate more soil in the areas of S-2 and S-3 and then resample. Enterprise requests to backfill the remaining areas and then perform a site characterization per NMAC 19.15129.11 utilizing a drilling rig. Please acknowledge if you agree with this. If you have any questions, please call or email.

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

From: Smith, Cory, EMNRD <<u>Cory, Smith@state.nm.us</u>> Sent: Monday, April 22, 2019 10:37 AM To: Long, Thomas <<u>tilong@eprod.com</u>> Cc: Stone, Brian <<u>bmstone@eprod.com</u>> Subject: RE: Sandstone Compressor Station - UL I Section 32 Township 31 North Range 8 West; 36.853298, -107.690996

Tom,

OCD approves the collect of samples for evaluation. As previously discussed since Enterprise collected a surface sample of impacted material to test for used metals if those samples are below the limits and the waste is not considered hazardous additional metals samples will not be required.

The option to perform a full site characterization and reevaluate the remediation approach as described in <u>19.15.29.11</u> NMAC is an option,

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: Monday, April 22, 2019 10:27 AM To: Smith, Cory, EMNRD <<u>Cory, Smith@state.nm.us></u> Cc: Stone, Brian <u>chmstone@eprod.com</u>> Subject: [EXT] FW: Sandstone Compressor Station - UL I Section 32 Township 31 North Range 8 West; 36.853298, -107.690996

Cory,

Please find the attached photos and lab report for Sandstone Compressor Station. Enterprise requests to collect soil samples for laboratory analysis to evaluate subsurface contaminant concentrations. We will be collecting one soil sampler for every 200 square feet with in the excavated areas. We are getting into areas that are very difficult to excavate. Underneath the compressor cooling fan and along the compressor skid foundation. All places are becoming concerns with the foundation stability and confined spaces. Please ee the attached pictures for reference. Completing remediation by excavating may not be possible at this time. We will have to evaluate the lab results upon receipt. 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 505-599-2266 (office) 505-215-4727 (Cell) tjiong@eprod.com



From: Long, Thomas Sent: Tuesday, April 9, 2019 7:28 AM To: 'Smith, Cory, EMNRD (<u>Cory, Smith@state.nm.us</u>)' <<u>Cory, Smith@state.nm.us</u>>; 'I1thomas@blm.gov' <<u>I1thomas@blm.gov</u>> Cc: Stone, Brian <<u>bmstone@eprod.com</u>>

Subject: Sandstone Compressor Station - UL I Section 32 Township 31 North Range 8 West; 36.853298, -107.690996

Cory/Whitney,

This email is to notify you that Enterprise had a release of glycol from the compressor skid at Sandstone Compressor Station on 4-2-2019. We have been hand digging the last few days and this release became reportable due the amount of impacted soil that has been removed. We have approximate 10 yards of soil stockpiled that needs to be disposed. The facility is located at ULI Section 32 Township 31 North Range 8 West 36.853298, 107.60906. We will have to bring in a backhoe to complete the remediation. 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)



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

From:	Long, Thomas
То:	"Smith, Cory, EMNRD (Cory.Smith@state.nm.us)"
Cc:	Stone, Brian
Subject:	FW: Sandstone CS, Section 32 Range 8W, Township 31N
Date:	Tuesday, August 20, 2019 12:51:00 PM

Cory,

This email is to notify you that Enterprise will continue delineation activities at Sandstone Compressor Station. We have two soil borings to complete. The drilling rig has additional mechanical problems last week. 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, August 9, 2019 9:26 AM
To: 'Smith, Cory, EMNRD' <Cory.Smith@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: RE: Sandstone CS, Section 32 Range 8W, Township 31N

Cory,

This email is to notify you that Enterprise has scheduled the delineation activities (soil boring installation) at Sandstone Compressor Station to begin Monday, August 12, 2019. We will be collecting soil samples throughout the drilling project. 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, July 23, 2019 2:41 PM
To: Long, Thomas <<u>tilong@eprod.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: Sandstone CS, Section 32 Range 8W, Township 31N

Tom,

OCD approves the extension request to submit a full site characterization and remediation plan no later than October 25, 2019.

Please include this approval in your characterization and remediation plan report.

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, July 23, 2019 12:14 PM
To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: [EXT] RE: Sandstone CS, Section 32 Range 8W, Township 31N

Cory,

This would be a time extension request to complete a site characterization and submit a remediation plan. 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: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Sent: Tuesday, July 23, 2019 10:21 AM
To: Long, Thomas <<u>tilong@eprod.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: RE: Sandstone CS, Section 32 Range 8W, Township 31N

Tom,

Is this extension request for 90 extra days to send in a Site characterization and remediation plan? Or does Enterprise plan to drill holes and then return to Dig and haul and have a completed closure report in 90 days?

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, July 23, 2019 8:29 AM
To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: [EXT] FW: Sandstone CS, Section 32 Range 8W, Township 31N

Cory,

This email is a request for time extension for the delineation activities associated with the April 2, 2019 release at Sandstone Compressor Station. We began delineation activities last week, but the drilling rig had mechanical problems. I anticipate we will complete delineation activities (field work) in the next two weeks. Enterprise requests 90 day time extension. Please acknowledge if you agree/grant this time extension request.

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: Stone, Brian <<u>bmstone@eprod.com</u>>
Sent: Thursday, July 18, 2019 3:28 PM

To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Cc: Long, Thomas <<u>tilong@eprod.com</u>>
Subject: RE: Sandstone CS, Section 32 Range 8W, Township 31N

Cory, we are still having problems with the sampling rig, so we will delay sampling to Monday at 8:00am.

From: Stone, Brian
Sent: Wednesday, July 17, 2019 11:02 AM
To: 'Smith, Cory, EMNRD' <<u>Cory.Smith@state.nm.us</u>>
Cc: Long, Thomas <<u>tilong@eprod.com</u>>
Subject: RE: Sandstone CS, Section 32 Range 8W, Township 31N

Cory,

Sampling is delayed to Friday July 19 at 8:00am due to problems with the rig.

From: Stone, Brian
Sent: Tuesday, July 16, 2019 3:33 PM
To: 'Smith, Cory, EMNRD' <<u>Cory.Smith@state.nm.us</u>>
Cc: Long, Thomas <<u>tilong@eprod.com</u>>
Subject: Sandstone CS, Section 32 Range 8W, Township 31N

Cory,

This email is to notify you that Enterprise anticipates collecting soil samples for laboratory analysis at the Sandstone Compressor Station starting Thursday, July 18 2019 at 8:00 a.m. If you have any questions or concerns, please all or email.

Brian Stone (970) 210-2170

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

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

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

District III

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

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

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

CONDITIONS

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	9576
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Deferral approved. Required to remediate & reclaim after decommissioning per 19.15.29.12C (2) & 19.15.29.13D (1).	3/25/2022

Action 9576

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