

REVIEWED

January 25, 2024

By Mike Buchanan at 9:37 am, Apr 17, 2024

New Mexico Oil Conservation Division New Mexico Energy, Mineral, and Natural Resources Department 1220 South St. Francis Drive Santa Fe, New Mexico 87505

2023 Fourth Quarter – Solar SVE System Update Subject: Trunk S Harvest Four Corners, LLC Incident Number NCS1931842879 Remediation Permit Number 3RP-1014 Rio Arriba County, New Mexico

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Harvest Four Corners, LLC (Ensolum), presents Ensolum, LLC (Ensolum), on behalf of Harvest Four Corners, LLC (Harvest), bresents the intervals, starting from following 2023 Fourth Quarter – Solar SVE System Update report summarizing the soil vapor extraction (SVE) system performance at the Trunk S (Site), located Submit results to 7, Township 25 North, Range 03 West, in Rio Arriba County, New Mexico Mode along with

Review of the 2023 Fourth Quarter--Solar SVE System Update Trunk S: Content Satisfactory 1. Harvest may continue with future remediation activities as outlined in this report. 2. Install boreholes in proposed locations and

next report submission.

the

BACKGROUND

The solar SVE system was installed in late 2019, with full time system operation beginning on July 16, 2020, to remediate subsurface impacts following a release on June 25, 2019. The release occurred from an underground natural gas pipeline leak associated with the Site and consisted of more than 25 barrels (bbls) of condensate and 278.5 thousand cubic feet (MCF) of natural gas. Harvest reported the release to the New Mexico Oil Conservation Division (NMOCD) on a release Notification and Corrective Action Form C-141 on September 20, 2019, and the event was assigned Incident Number NCS1931842879. Approximately 2,000 cubic yards (yd³) of impacted soil were excavated and transported off site for disposal. Due to the extent of the release, the excavation was unsuccessful at removing all impacted soil and the excavation was backfilled with the stockpiled soils after repairing the pipeline leak. A solar SVE system was installed to remediate residual impacts resulting from the release. Reports summarizing remediation system operation for previous guarters of system operation have been submitted to the NMOCD.

SOLAR SVE SYSTEM OPERATION AND MONITORING

The solar SVE system is comprised of five SVE wells (SB-1 through SB-5), installed at depths ranging from 30 to 50 feet below ground surface (bgs), plumbed to a VariSun Mobile Solar SVE unit consisting of a 4.6 horsepower vacuum blower capable of extracting 190 cubic feet per minute (cfm) at 50 inches of water column (IWC) vacuum. Each SVE well has a dedicated leg with an adjustable valve and vacuum gauge to control the individual flow rates and vacuum prior to manifolding together before the liquid knockout tank and blower. Harvest utilized a solar-powered SVE system due to the remote location and the lack of electrical grid power at the Site. The directdrive blower motor is connected to solar panels via a motor controller that automatically starts the system as sunlight is available and throttles the blower up as sun power increases throughout the day to maximize efficiency. Seasonally, there are approximately 10 hours in the winter and 12 hours in the summer of available solar power in Farmington, New Mexico. The complete solar Harvest Four Corners, LLC 2023 Fourth Quarter – Solar SVE System Update Trunk S

SVE system is constructed as one unit designed for utilization at off-grid locations and operates autonomously. The layout of the solar SVE system is depicted on Figure 2.

Between full time startup of the solar SVE system on July 16, 2020, and the last quarterly Site visit on December 21, 2023, there have been 1,254 days of operation, with an estimated 14,406 total hours of nominal daylight available for solar SVE system operations. Since installation, the system had an actual runtime of 14,944 hours, for an overall uptime of 103.7 percent (%) of the available runtime hours based on the average available nominal daylight hours (per the National Renewable Energy Laboratory (NREL)). A photographic log of the runtime hours meter readings is included as Appendix A. Below is a table summarizing SVE system runtime in comparison with nominal available daylight hours per month.

SVE System Runtime

	Start up July	September	October 1,	November	December
Time Period	16, 2020 to	21, 2023 to	2023 to	1, 2023 to	1, 2023 to
	September	September	October 31,	November	December
	20, 2023	30, 2023	2023	30, 2023	21, 2023
Days	1,162	10	31	30	21
Avg. Nominal Daylight Hours	11.58	12	11	10	9
Available Runtime Hours	13,456	120	341	300	189

- Total Available Daylight Runtime Hours 14,406
 - Actual Runtime Hours 14,944
 - Cumulative % Runtime 103.7%
- Quarterly Available Daylight Runtime Hours 950
 - Quarterly Runtime Hours 951
 - Quarterly % Runtime 100.1%

AIR EMISSIONS MONITORING

An initial air sample was collected on July 16, 2020, from the influent side of the blower on the SVE system. Subsequent air samples were collected quarterly with the most recent sample collected on December 21, 2023 (Table 1). Samples were collected in 1-liter Tedlar[®] bags via a high vacuum air sampler and submitted to Eurofins Environmental Testing Laboratory in Albuquerque, New Mexico, for analyses of volatile organic compounds (VOCs) following United States Environmental Protection Agency (EPA) Method 8260B, total volatile petroleum hydrocarbons (TVPH) following EPA Method 8015, and oxygen and carbon dioxide following Gas Processors Association Method 2261. The laboratory analytical report from the December 2023 sampling event is included as Appendix B.

Estimated air emissions were calculated using air sample data collected to date (Table 2). The impacted mass source removal via the solar SVE system to-date is estimated to be 83,910 pounds (lbs) (or 41.96 tons) of TVPH. Since system startup, petroleum hydrocarbon emissions have steadily declined as shown in the chart below.



Harvest Four Corners, LLC 2023 Fourth Quarter – Solar SVE System Update Trunk S



Notes:

TVPH – total volatile petroleum hydrocarbons $\mu g/L$ – micrograms per liter lbs – pounds

The mass removal rate has steadily decreased over time. The December 2023 TVPH emissions rate decreased slightly from September 2023 to approximately 0.45 pounds per hour (lbs/hr) or approximately 4.73 pounds per day (lbs/day).

CLOSURE PLAN

Concentrations of TVPH and mass removal at the Site have been approaching an asymptotic level since September 2022, indicating that reduction of hydrocarbon impacts is nearing the maximum extent practicable. Ensolum proposes drilling two boreholes to 55 feet below ground surface (bgs), within the former excavation footprint to collect soil samples for Site closure. Ensolum will collect soil samples from the interval with the highest photoionization detector (PID) readings and from the terminus of each borehole. Proposed borehole locations are between SB-1 and SB-4 and between SB-2 and SB-3. These locations are proposed in order to sample representative soil from the former excavation walls, floor and fill material. Proposed borehole locations are presented on Figure 2. Soil samples will be analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX), Total petroleum hydrocarbons (TPH) as a combination of gasoline range organics (GRO), diesel range organics (DRO), and motor oil range organics (MRO) and chloride (CI) per Table I Closure Criteria.

SITE CLOSURE CRITERIA

In accordance with the *Table I, Closure Criteria for Soils Impacted by a Release* (19.15.29.12 NMAC), the following Closure Criteria for constituents of concern (COCs) has been applied to the Site:

- Benzene: 10 milligrams per kilogram (mg/kg)
- BTEX: 50 mg/kg

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- TPH: 100 mg/kg
- Chloride: 600 mg/kg

If the final delineation samples indicate hydrocarbon impacts have been reduced to concentrations in compliance with Site specific Table I Closure Criteria, Ensolum will present the confirmation laboratory analysis data in a report and request closure of the release. Should the results indicate analytes in the soil exceed the Table I Closure Criteria, Ensolum will either make operational adjustments and restart the SVE system or develop an alternative remedial approach to reach Site closure based on the results of the investigation.

PLAN FOR NEXT QUARTER OF OPERATION

Until this plan is approved, Ensolum will continue quarterly sampling and reporting, and will continue to visit the Site monthly to ensure a minimum of 90% runtime efficiency continues and that any maintenance issues are addressed in a timely manner. An air sample will be collected in the first quarter of 2024 and analyzed for VOCs, TVPH, and oxygen and carbon dioxide. An updated quarterly report with sample results, runtime, and mass source removal will be submitted under separate cover.

Ensolum appreciates the opportunity to provide this report to the NMOCD. If you have any questions or comments regarding this update, do not hesitate to contact Danny Burns at (303) 601-1420 or via email at <u>dburns@ensolum.com</u> or Monica Smith at (505) 632-4625 or at <u>msmith@harvestmidstream.com</u>.

Sincerely,

ENSOLUM, LLC

Reece Hanson Staff Geologist

Danny Burns Senior Geologist

APPENDICES

Figure 1 – Site Location Map Figure 2 – SVE System Layout Table 1 – Soil Vapor Extraction System Laboratory Analytical Results Table 2 – Soil Vapor Extraction System Mass Removal and Emissions Appendix A – Photographic Log Appendix B – Laboratory Analytical Report





FIGURES

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Released to Imaging: 4/17/2024 9:45:05 AM

Received by OCD: 1/31/2024 1:02:45 PM





Released to Imaging: 4/17/2024 9:45:05 AM

Sources: Google Earth



TABLES

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Released to Imaging: 4/17/2024 9:45:05 AM

ENSOLUM

TABLE 1 SOIL VAPOR EXTRACTION SYSTEM LABORATORY ANALYTICAL RESULTS Trunk S Harvest Four Corners, LLC Rio Arriba County, New Mexico										
DatePID (ppm)Benzene (µg/L)Toluene (µg/L)Ethylbenzene (µg/L)Total Xylenes (µg/L)TVPH/GRO (µg/L)Oxygen (Mol %)Carbon Dioxide (Mol %)										
7/16/2020*	4,268	1,700	1,570	29.4	517.9	NA	20.20	0.67		
9/3/2020*	1,100	45	220	22	230	NA	NA	NA		
9/30/2020*	1,200	49	480	86	770	NA	NA	NA		
10/14/2020*	1,357	150	460	15	270	68,000	20.94	0.93		
1/8/2021*	786	76	310	9.1	150	38,000	20.81	0.88		
4/9/2021*	898	50	160	8.2	140	30,000	21.54	0.49		
7/12/2021*	859	33	150	12	210	19,000	21.47	0.49		
9/29/2020*	561	15	77	5.3	85	6,500	21.57	0.54		
12/14/2021*	NM	22	140	10	170	13,000	21.83	0.40		
3/23/2022*	545	17	90	7.9	130	8,300	21.95	0.35		
6/23/2022	605	6.5	42	3.5	49	9,300	21.39	0.45		
8/11/2022	789	6.4	48	5.5	78	4,000	NA	NA		
9/15/2022	487	5.7	37	4.6	59	3,400	20.91	0.66		
12/7/2022	457	3.8	38	5.2	67	3,300	21.35	0.63		
3/15/2023	370	2.7	24	2.4	32	1,800	21.34	0.53		
6/21/2023	418	2.2	15	2.3	27	2,000	21.04	0.54		
9/20/2023	318	1.3	16	2.4	35	1,700	21.42	0.53		
12/21/2023	325	0.9	9.8	2.0	28	1,400	21.54	0.50		

Notes:

* - data collected by Animas Environmental

GRO: gasoline range organics

µg/L: micrograms per liter

Mol'%: mole percent

NM: not measured

NA: not analyzed PID: photoionization detector

ppm: parts per million

TVPH: total volatile petroleum hydrocarbons

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TABLE 2 SOIL VAPOR EXTRACTION SYSTEM MASS REMOVAL AND EMISSIONS

Trunk S Harvest Four Corners, LLC Rio Arriba County, New Mexico

Laboratory Analysis										
Date	PID (ppm)	Benzene (μg/L)	Toluene (μg/L)	Ethylbenzene (μg/L)	Total Xylenes (μg/L)	TVPH (μg/L)				
7/16/2020	4,268	1,700	1,570	29.4	517.9	NS				
9/3/2020	1,100	45	220	22	230	NS				
9/30/2020	1,200	49	480	86	770	NS				
10/14/2020	1,357	150	460	15	270	68,000				
1/8/2021	786	76	310	9.1	150	38,000				
4/9/2021	898	50	160	8.2	140	30,000				
7/12/2021	859	33	150	12	210	19,000				
9/29/2021	561	15	77	5.3	85	6,500				
12/14/2021	553	22	140	10	170	13,000				
3/23/2022	545	17	90	7.9	130	8,300				
6/23/2022	605	6.5	42	3.5	49	9,300				
8/11/2022	789	6.4	48	5.5	78	4,000				
9/15/2022	487	5.7	37	4.6	59	3,400				
12/7/2022	457	3.8	38	5.2	67	3,300				
3/15/2023	370	2.7	24	2.4	32	1,800				
6/21/2023	418	2.2	15	2.3	27	2,000				
9/20/2023	318	1.3	16	2.4	35	1,700				
12/21/2023	325	0.9	9.8	2.0	28	1,400				
Average	883	121	216	13	169	13,980				



TABLE 2 SOIL VAPOR EXTRACTION SYSTEM MASS REMOVAL AND EMISSIONS Trunk S Harvest Four Corners, LLC Rio Arriba County, New Mexico Average Vapor Extraction Summary									
DateFlow Rate (cfm)Total System Flow (cf)Delta Flow (cf)Benzene (lb/hr)Toluene (lb/hr)Ethylbenzene (lb/hr)Total Xylenes (lb/hr)TVPH (lb/hr)									
7/16/2020	88	1,700,160	1,700,160	0.56	0.52	0.010	0.17		
9/3/2020	86	5,007,720	3,307,560	0.28	0.29	0.008	0.12		
9/30/2020	87	6,756,420	1,748,700	0.02	0.11	0.018	0.16		
10/14/2020	86	7,540,740	784,320	0.03	0.15	0.016	0.17	22.00	
1/8/2021	94	12,193,740	4,653,000	0.04	0.14	0.004	0.07	17.84	
4/9/2021	92	17,553,660	5,359,920	0.02	0.08	0.003	0.05	11.83	
7/12/2021	85	24,127,560	6,573,900	0.01	0.05	0.003	0.06	8.11	
9/29/2021	92	29,730,360	5,602,800	0.01	0.04	0.003	0.05	4.22	
12/14/2021	42	31,650,600	1,920,240	0.00	0.02	0.001	0.02	2.44	
3/23/2022	74	36,077,280	4,426,680	0.01	0.03	0.002	0.04	2.31	
6/23/2022	47.6	39,581,592	3,504,312	0.00	0.01	0.001	0.02	2.00	
8/11/2022	93	43,331,352	3,749,760	0.00	0.02	0.002	0.02	1.75	
9/15/2022	97	45,892,152	2,560,800	0.00	0.02	0.002	0.02	1.31	
12/7/2022	44	48,584,952	2,692,800	0.00	0.01	0.001	0.01	0.88	
3/15/2023	36	50,798,952	2,214,000	0.00	0.00	0.001	0.01	0.38	
6/21/2023	71	55,425,312	4,626,360	0.00	0.01	0.001	0.01	0.38	
9/20/2023	65	60,123,492	4,698,180	0.00	0.00	0.001	0.01	0.47	
12/21/2023	90	65,258,892	5,135,400	0.00	0.00	0.001	0.01	0.45	
		-	Average	0.05	0.08	0.00	0.06	5.09	



TABLE 2 SOIL VAPOR EXTRACTION SYSTEM MASS REMOVAL AND EMISSIONS Trunk S Harvest Four Corners, LLC **Rio Arriba County, New Mexico** Flow and Laboratory Analysis TVPH **Total SVE System** Toluene Ethylbenzene **Total Xylenes** TVPH Benzene Date **Delta Hours** (pounds) Hours (pounds) (pounds) (pounds) (pounds) (tons) 7/16/2020 322 322 180 166 3 55 ------9/3/2020 963 641 180 185 5 77 ------1.298 335 5 38 6 55 9/30/2020 ------5 23 2 25 10/14/2020 1,450 152 31,899 15.9 33 7.4 1/8/2021 2.275 825 112 3 61 14,718 4/9/2021 3,246 971 21 79 3 48 11,483 5.7 72 5.2 7/12/2021 4,535 17 64 1,289 4 10,453 9/29/2021 5,550 1,015 8 40 3 52 4.284 2.1 2 12/14/2021 6,312 762 13 1 15 1,862 0.9 3/23/2022 7,309 997 5 32 2 41 2,303 1.2 3 20 1.2 1.227 14 1 6/23/2022 8.536 2.455 8/11/2022 9,208 672 2 11 1 15 1,175 0.6 9/15/2022 9.648 440 7 11 578 0.3 1 1 12/7/2022 10,668 1,020 1 6 1 11 901 0.5 3/15/2023 1.025 0 1 7 391 0.2 11.693 4 6/21/2023 12,779 1.086 1 6 1 9 413 0.2 9/20/2023 5 9 13,993 1,214 1 1 569 0.3 951 12/21/2023 14.944 0 4 1 10 426 0.2 **Total Mass Recovery to Date** 465 807 40 592 83,910 41.96

Notes:

cf: cubic feet

cfm: cubic feet per minute

µg/L: micrograms per liter

lb/hr: pounds per hour

--: not sampled

VOC Mass Removed (lbs) = Influent VOCs (ma/m³) * Air Flow Rates (cfm) * (1 m³/35.3147 ft³) * (1 lb/453.592 mg) * Time Period (min)

Ensolum, LLC

PID: photoionization detector

VOC : volatile organic compounds

TVPH: total volatile petroleum hydrocarbons

ppm: parts per million



APPENDIX A

Photographic Log



Photographic Log Trunk S Harvest Four Corners, LLC Rio Arriba County, New Mexico







Photographic Log Trunk S Harvest Four Corners, LLC Rio Arriba County, New Mexico





APPENDIX B

Laboratory Analytical Report



Environment Testing

Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

January 12, 2024 Monica Smith Harvest 1755 Arroyo Dr. Bloomfield, NM 87413 TEL: (505) 632-4475 FAX:

RE: Trunk S

OrderNo.: 2312D10

Dear Monica Smith:

Eurofins Environment Testing South Central, LLC received 1 sample(s) on 12/22/2023 for the analyses presented in the following report.

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

Please do not hesitate to contact Eurofins Albuquerque 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 2312D10

Hall Environmental Analysis Laboratory, Inc. Date Reported: 1/12/202										
CLIENT: Harvest Project: Trunk S Lab ID: 2312D10-001	Client Sample ID: Q4 InfluentCollection Date: 12/21/2023 11:55:00 AMMatrix: AIRReceived Date: 12/22/2023 6:45:00 AM									
Analyses	Result		al Units		Date Analyzed	Batch				
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst	JJP				
Gasoline Range Organics (GRO)	1400	50	µg/L	10	12/29/2023 2:05:09 PM	GA1021				
Surr: BFB	232	15-412	µg/∟ %Rec	10	12/29/2023 2:05:09 PM	GA1021				
EPA METHOD 8260B: VOLATILES	252	10 412	/01/00	10						
	0.05	0.50	"	_	Analyst:					
Benzene	0.85	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220				
Toluene	9.8	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220				
Ethylbenzene	2.0	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220				
Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220				
1,2,4-Trimethylbenzene	0.97	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220				
1,3,5-Trimethylbenzene	1.3	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220				
1,2-Dichloroethane (EDC)	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220				
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220				
Naphthalene	ND	1.0	µg/L	5	1/3/2024 1:05:00 PM	R10220				
1-Methylnaphthalene	ND	2.0	µg/L	5	1/3/2024 1:05:00 PM	R10220				
2-Methylnaphthalene	ND	2.0	µg/L	5	1/3/2024 1:05:00 PM	R10220				
Acetone	ND	5.0	µg/L	5	1/3/2024 1:05:00 PM	R10220				
Bromobenzene	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220				
Bromodichloromethane	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220				
Bromoform	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220				
Bromomethane	ND	1.0	µg/L	5	1/3/2024 1:05:00 PM	R10220				
2-Butanone	ND	5.0	µg/L	5	1/3/2024 1:05:00 PM	R10220				
Carbon disulfide	ND	5.0	µg/L	5	1/3/2024 1:05:00 PM	R10220				
Carbon tetrachloride	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220				
Chlorobenzene	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220				
Chloroethane	ND	1.0	µg/L	5	1/3/2024 1:05:00 PM	R10220				
Chloroform	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220				
Chloromethane	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220				
2-Chlorotoluene	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220				
4-Chlorotoluene	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220				
cis-1,2-DCE	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220				
cis-1,3-Dichloropropene	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220				
1,2-Dibromo-3-chloropropane	ND	1.0	µg/L	5	1/3/2024 1:05:00 PM	R10220				
Dibromochloromethane	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220				
Dibromomethane	ND	1.0	µg/L	5	1/3/2024 1:05:00 PM	R10220				
1,2-Dichlorobenzene	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220				
1,3-Dichlorobenzene	ND	0.50	μg/L	5	1/3/2024 1:05:00 PM	R10220				
1,4-Dichlorobenzene	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220				
Dichlorodifluoromethane	ND	0.50	μg/L	5	1/3/2024 1:05:00 PM	R10220				
1,1-Dichloroethane	ND	0.50	μg/L	5	1/3/2024 1:05:00 PM	R10220				
1,1-Dichloroethene	ND	0.50	μg/L	5	1/3/2024 1:05:00 PM	R10220				

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

Е Above Quantitation Range/Estimated Value J

Analyte detected below quantitation limits

Analyte detected in the associated Method Blank

Р Sample pH Not In Range

В

ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit

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

RL Reporting Limit

Released to Imaging: 4/17/2024 9:45:05 AM

Analytical Report Lab Order 2312D10

Hall Environmental Analysi			Date Reported: 1/12/2)24					
CLIENT: Harvest Project: Trunk S		Client Sample ID: Q4 Influent Collection Date: 12/21/2023 11:55:00 AM							
Lab ID: 2312D10-001	Matrix: AIR	/22/2023 6:45:00 AM							
Analyses	Result	RL Ç	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 8260B: VOLATILES					Analys	t: RAA			
1,2-Dichloropropane	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220			
1,3-Dichloropropane	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220			
2,2-Dichloropropane	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220			
1,1-Dichloropropene	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220			
Hexachlorobutadiene	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220			
2-Hexanone	ND	5.0	µg/L	5	1/3/2024 1:05:00 PM	R10220			
Isopropylbenzene	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220			
4-Isopropyltoluene	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220			
4-Methyl-2-pentanone	ND	5.0	µg/L	5	1/3/2024 1:05:00 PM	R10220			
Methylene chloride	ND	1.5	µg/L	5	1/3/2024 1:05:00 PM	R10220			
n-Butylbenzene	ND	1.5	µg/L	5	1/3/2024 1:05:00 PM	R10220			
n-Propylbenzene	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220			
sec-Butylbenzene	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220			
Styrene	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220			
tert-Butylbenzene	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220			
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220			
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220			
Tetrachloroethene (PCE)	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220			
trans-1,2-DCE	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220			
trans-1,3-Dichloropropene	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220			
1,2,3-Trichlorobenzene	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220			
1,2,4-Trichlorobenzene	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220			
1,1,1-Trichloroethane	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220			
1,1,2-Trichloroethane	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220			
Trichloroethene (TCE)	ND	0.50	µg/L	5	1/3/2024 1:05:00 PM	R10220			
Trichlorofluoromethane	ND	0.50	μg/L	5	1/3/2024 1:05:00 PM	R10220			
1,2,3-Trichloropropane	ND	1.0	μg/L	5	1/3/2024 1:05:00 PM	R10220			
Vinyl chloride	ND	0.50	μg/L	5	1/3/2024 1:05:00 PM	R10220			
Xylenes, Total	28	0.75	μg/L	5	1/3/2024 1:05:00 PM	R10220			
Surr: Dibromofluoromethane	101	70-130	%Rec	5	1/3/2024 1:05:00 PM	R10220			
Surr: 1,2-Dichloroethane-d4	98.0	70-130	%Rec	5	1/3/2024 1:05:00 PM	R10220			
Surr: Toluene-d8	120	70-130	%Rec	5	1/3/2024 1:05:00 PM	R10220			
Surr: 4-Bromofluorobenzene	111	70-130	%Rec	5	1/3/2024 1:05:00 PM	R10220			

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

* Value exceeds Maximum Contaminant Level.

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

Qualifiers:



ANALYTICAL SUMMARY REPORT

January 09, 2024

Hall Environmental										
4901 Hawkins St NE Ste D										
Albuquerque, N	V 87109-4372									
Work Order:	B23121707	Quote ID: B1562	6							
Project Name:	Tedlar Gas Analysis									
Energy Laborate	pries Inc Billings MT rece	eived the following 1	sample for Hall	Environmen	tal on 12/28/2023 for analysis.					
Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test					
B23121707-001	2312D10-001B - Q4 Influent	12/21/23 11:55	5 12/28/23	Air	Air Correction Calculations Appearance and Comments Calculated Properties GPM @ std cond,/1000 cu. ft., moist. Free Natural Gas Analysis Specific Gravity @ 60/60					

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

If you have any questions regarding these test results, please contact your Project Manager.

Report Approved By:



LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Hall Environmental **Project: Tedlar Gas Analysis** Lab ID: B23121707-001 Client Sample ID: 2312D10-001B - Q4 Influent

Report Date: 01/09/24 Collection Date: 12/21/23 11:55 DateReceived: 12/28/23 Matrix: Air

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
GAS CHROMATOGRAPHY ANALYSIS	REPORT						
Oxygen	21.54	Mol %		0.01		GPA 2261-95	01/02/24 01:06 / jrj
Nitrogen	77.96	Mol %		0.01		GPA 2261-95	01/02/24 01:06 / jrj
Carbon Dioxide	0.50	Mol %		0.01		GPA 2261-95	01/02/24 01:06 / jrj
Hydrogen Sulfide	<0.01	Mol %		0.01		GPA 2261-95	01/02/24 01:06 / jrj
Methane	<0.01	Mol %		0.01		GPA 2261-95	01/02/24 01:06 / jrj
Ethane	<0.01	Mol %		0.01		GPA 2261-95	01/02/24 01:06 / jrj
Propane	<0.01	Mol %		0.01		GPA 2261-95	01/02/24 01:06 / jrj
Isobutane	<0.01	Mol %		0.01		GPA 2261-95	01/02/24 01:06 / jrj
n-Butane	<0.01	Mol %		0.01		GPA 2261-95	01/02/24 01:06 / jrj
Isopentane	<0.01	Mol %		0.01		GPA 2261-95	01/02/24 01:06 / jrj
n-Pentane	<0.01	Mol %		0.01		GPA 2261-95	01/02/24 01:06 / jrj
Hexanes plus	<0.01	Mol %		0.01		GPA 2261-95	01/02/24 01:06 / jrj
Propane	< 0.001	gpm		0.001		GPA 2261-95	01/02/24 01:06 / jrj
Isobutane	< 0.001	gpm		0.001		GPA 2261-95	01/02/24 01:06 / jrj
n-Butane	< 0.001	gpm		0.001		GPA 2261-95	01/02/24 01:06 / jrj
Isopentane	< 0.001	gpm		0.001		GPA 2261-95	01/02/24 01:06 / jrj
n-Pentane	< 0.001	gpm		0.001		GPA 2261-95	01/02/24 01:06 / jrj
Hexanes plus	< 0.001	gpm		0.001		GPA 2261-95	01/02/24 01:06 / jrj
GPM Total	< 0.001	gpm		0.001		GPA 2261-95	01/02/24 01:06 / jrj
GPM Pentanes plus	< 0.001	gpm		0.001		GPA 2261-95	01/02/24 01:06 / jrj
CALCULATED PROPERTIES							
Gross BTU per cu ft @ Std Cond. (HHV)	ND			1		GPA 2261-95	01/02/24 01:06 / jrj
Net BTU per cu ft @ std cond. (LHV)	ND			1		GPA 2261-95	01/02/24 01:06 / jrj
Pseudo-critical Pressure, psia	547			1		GPA 2261-95	01/02/24 01:06 / jrj
Pseudo-critical Temperature, deg R	240			1		GPA 2261-95	01/02/24 01:06 / jrj
Specific Gravity @ 60/60F	1.00			0.001		D3588-81	01/02/24 01:06 / jrj
Air, % - The analysis was not corrected for air.	98.42			0.01		GPA 2261-95	01/02/24 01:06 / jrj

COMMENTS

- BTU, GPM, and specific gravity are corrected for deviation from ideal gas behavior.

- GPM = gallons of liquid at standard conditions per 1000 cu. ft. of moisture free gas @ standard conditions.

- To convert BTU to a water-saturated basis @ standard conditions, multiply by 0.9825.

- Standard conditions: 60 F & 14.73 psi on a dry basis.

Report Definitions: RL - Analyte Reporting Limit QCL - Quality Control Limit

01/02/24 01:06 / jrj



Ethane

Propane

Isobutane

n-Butane

Isopentane

n-Pentane

Hexanes plus

www.energylab.com

6.04

5.01

1.70

2.00

1.01

1.01

0.84

Mol %

Billings, MT 406.252.6325 • Casper, WY 307.239.0515 of 31 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

QA/QC Summary Report

Prepared by Billings, MT Branch

Client:	Hall Environmental	
Onent.		

Client:	Hall Environmental				Work Order:	B2312	1707	Repor	t Date:	01/09/24	
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	GPA 2261-95									Batch	R414590
Lab ID:	B23121706-001ADUP	12 Sar	nple Duplic	ate			Run: GCNG	GA-B_240102A		01/02	/24 12:06
Oxygen			20.8	Mol %	0.01				0	20	
Nitrogen			78.2	Mol %	0.01				0	20	
Carbon I	Dioxide		0.96	Mol %	0.01				1.0	20	
Hydroge	n Sulfide		<0.01	Mol %	0.01					20	
Methane			<0.01	Mol %	0.01					20	
Ethane			<0.01	Mol %	0.01					20	
Propane			<0.01	Mol %	0.01					20	
Isobutan	e		<0.01	Mol %	0.01					20	
n-Butane	9		<0.01	Mol %	0.01					20	
Isopenta	ne		<0.01	Mol %	0.01					20	
n-Pentar	ne		<0.01	Mol %	0.01					20	
Hexanes	plus		<0.01	Mol %	0.01					20	
Lab ID:	LCS010224	11 Lab	oratory Co	ntrol Sampl	9		Run: GCNG	A-B_240102A		01/02	/24 03:12
Oxygen			0.64	Mol %	0.01	128	70	130			
Nitrogen			6.00	Mol %	0.01	100	70	130			
Carbon I	Dioxide		0.99	Mol %	0.01	100	70	130			
Methane			74.8	Mol %	0.01	100	70	130			

0.01

0.01

0.01

0.01

0.01

0.01

0.01

101

101

85

100

101

101

105

Qualifiers: RL - Analyte Reporting Limit 70

70

70

70

70

70

70

130

130

130

130

130

130

130

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Work Order Receipt Checklist

Hall Environmental

Crystal M. Jones	. Jones Date Received: 12/28/2023							
dharris	dharris Received by: cmj							
12/28/2023		Carri	ier name: FedEx					
Shipping container/cooler in good condition?			Not Present					
hipping container(s)/cooler(s)?	Yes 🗹	No 🗌	Not Present					
ample bottles?	Yes	No 🗌	Not Present 🗹					
	Yes 🗹	No 🗌						
en relinquished and received?	Yes 🗹	No 🗌						
Chain of custody agrees with sample labels?								
/bottle?	Yes 🗹	No 🗌						
	Yes 🗹	No 🗌						
indicated test?	Yes 🗹	No 🗌						
nolding time? onsidered field parameters Ilfite, Ferrous Iron, etc.)	Yes 🗹	No 🗌						
hipping container(s)/cooler(s)?	Yes	No 🗹	Not Applicable					
erature:	8.6°C No Ice							
adspace have no headspace or	Yes	No 🗌	No VOA vials submitted					
receipt?	Yes	No 🗌	Not Applicable					
	dharris 12/28/2023 good condition? hipping container(s)/cooler(s)? ample bottles? en relinquished and received? n sample labels? /bottle? ' indicated test? holding time? onsidered field parameters lifite, Ferrous Iron, etc.) hipping container(s)/cooler(s)? erature: adspace have no headspace or	dharris 12/28/2023 good condition? Yes ♥ hipping container(s)/cooler(s)? Yes ♥ ample bottles? Yes ♥ ample bottles? Yes ♥ en relinquished and received? Yes ♥ /bottle? Yes ♥ /bottle? Yes ♥ rindicated test? Yes ♥ molding time? Yes ♥ onsidered field parameters Yes ♥ wiftie, Ferrous Iron, etc.) Yes ♥ hipping container(s)/cooler(s)? Yes ● erature: 8.6°C No Ice adspace have no headspace or Yes ●	dharris Rec 12/28/2023 Carrie good condition? Yes No hipping container(s)/cooler(s)? Yes No ample bottles? Yes No en relinquished and received? Yes No en relinquished and received? Yes No /bottle? Yes No /bottle? Yes No rindicated test? Yes No nolding time? Yes No onsidered field parameters Yes No uffite, Ferrous Iron, etc.) Yes No hipping container(s)/cooler(s)? Yes No adspace have no headspace or Yes No					

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Contact and Corrective Action Comments:

None

Rest Contractor Energy Laboratories Pione: (406) 869-6253 Pione: (406) 869-6253 Pione: Pione: (406) 869-6253 Pione: Pione: (406) 869-6253 Pione: Pio	9-6253 FAX (406) 252-6069 EMAIL: ANALYTICAL COMMENTS as analysis. 02+C02. D23/21707 B23/21707
SAMPLE BOTTLE SAMPLE CLIENT SAMPLE ID TYPE MATRIX 2312D10-001B Q4 Influent P4 Air	VIICAL
2312D10-001B Q4 Influent TEDLAR Air	49
SPECIAL INSTRUCTIONS / COMMENTS; Include the LAB ID and CLIENT SAMPLE ID on final reports. Email results to Hall.Lab@et.eurofinsus.com. For Questions email Hall.samplecontrol@et.eurofinsus.com. Please return all coolers and blue ice. Thank you.	.samplecontrol@et.eurofinsus.com. Please return all coolers and blue i
Relinquished By: Date: 1,272,2034 Time: 7,29,4M Received By: Date: Time:	REPORT TRANSMITTAL DESIRED:
Time: Received By: Date: Time:	HARDCOPY (extra cost) FAX EMAIL ONLINE
Relinquished By: Date: Time: Received of Carylal Two 1272 3723 CYUN	FOR LAB USE (
Da	Temp or samples Control Control Control Comments:

WO#: Hall Environmental Analysis Laboratory, Inc.					
Client:	Harvest				
Project:	Trunk S				

Sample ID: 2312	D10-001ADUP	SampT	ype: DU	Р	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range	1	
Client ID: Q4 In	nfluent	Batch	ID: GA	102153	F	RunNo: 1(02153				
Prep Date:		Analysis D	ate: 12	/29/2023	5	SeqNo: 37	770598	Units: µg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Orgar	nics (GRO)	1400	50						4.30	20	
Surr: BFB		48000		20000		242	15	412	0	0	

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank В
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit
- Released to Imaging: 4/17/2024 9:45:05 AM

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	231
	12-Ja

Client: Proje

nt:	Harvest
ect:	Trunk S

Sample ID: 2312d10-001adup	SampT	ype: DU	2	Tes	tCode: EF	PA Method	8260B: Volatil	es		
Client ID: Q4 Influent	Batch	n ID: R10	2204	F	RunNo: 10	02204				
Prep Date:	Analysis D	Date: 1/3	/2024	Ş	SeqNo: 37	773361	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.50						2.56	20	
Toluene	11	0.50						8.07	20	
Ethylbenzene	2.2	0.50						9.93	20	
Methyl tert-butyl ether (MTBE)	ND	0.50						0	20	
1,2,4-Trimethylbenzene	1.2	0.50						21.3	20	R
1,3,5-Trimethylbenzene	1.6	0.50						18.0	20	
1,2-Dichloroethane (EDC)	ND	0.50						0	20	
1,2-Dibromoethane (EDB)	ND	0.50						0	20	
Naphthalene	ND	1.0						0	20	
1-Methylnaphthalene	ND	2.0						0	20	
2-Methylnaphthalene	ND	2.0						0	20	
Acetone	ND	5.0						0	20	
Bromobenzene	ND	0.50						0	20	
Bromodichloromethane	ND	0.50						0	20	
Bromoform	ND	0.50						0	20	
Bromomethane	ND	1.0						0	20	
2-Butanone	ND	5.0						0	20	
Carbon disulfide	ND	5.0						0	20	
Carbon tetrachloride	ND	0.50						0	20	
Chlorobenzene	ND	0.50						0	20	
Chloroethane	ND	1.0						0	20	
Chloroform	ND	0.50						0	20	
Chloromethane	ND	0.50						0	20	
2-Chlorotoluene	ND	0.50						0	20	
4-Chlorotoluene	ND	0.50						0	20	
cis-1,2-DCE	ND	0.50						0	20	
cis-1,3-Dichloropropene	ND	0.50						0	20	
1,2-Dibromo-3-chloropropane	ND	1.0						0	20	
Dibromochloromethane	ND	0.50						0	20	
Dibromomethane	ND	1.0						0	20	
									20 20	
1,2-Dichlorobenzene		0.50						0		
1,3-Dichlorobenzene	ND	0.50						0	20	
1,4-Dichlorobenzene	ND	0.50						0	20	
Dichlorodifluoromethane	ND	0.50						0	20	
1,1-Dichloroethane	ND	0.50						0	20	
1,1-Dichloroethene	ND	0.50						0	20	
1,2-Dichloropropane	ND	0.50						0	20	
1,3-Dichloropropane	ND	0.50						0	20	
2,2-Dichloropropane	ND	0.50						0	20	

Qualifiers:

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

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Harvest

Project: Trunk S

Sample ID: 2312d10-001adup	SampT	ype: DU	Р	Tes	tCode: EF	PA Method	8260B: Volati	les		
Client ID: Q4 Influent	Batch	n ID: R1	02204	F	RunNo: 1(02204				
Prep Date:	Analysis D	Date: 1/3	3/2024	S	SeqNo: 37	773361	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloropropene	ND	0.50						0	20	
Hexachlorobutadiene	ND	0.50						0	20	
2-Hexanone	ND	5.0						0	20	
Isopropylbenzene	ND	0.50						0	20	
4-Isopropyltoluene	ND	0.50						0	20	
4-Methyl-2-pentanone	ND	5.0						0	20	
Methylene chloride	ND	1.5						0	20	
n-Butylbenzene	ND	1.5						0	20	
n-Propylbenzene	0.52	0.50						200	20	R
sec-Butylbenzene	ND	0.50						0	20	
Styrene	ND	0.50						0	20	
tert-Butylbenzene	ND	0.50						0	20	
1,1,1,2-Tetrachloroethane	ND	0.50						0	20	
1,1,2,2-Tetrachloroethane	ND	0.50						0	20	
Tetrachloroethene (PCE)	ND	0.50						0	20	
trans-1,2-DCE	ND	0.50						0	20	
trans-1,3-Dichloropropene	ND	0.50						0	20	
1,2,3-Trichlorobenzene	ND	0.50						0	20	
1,2,4-Trichlorobenzene	ND	0.50						0	20	
1,1,1-Trichloroethane	ND	0.50						0	20	
1,1,2-Trichloroethane	ND	0.50						0	20	
Trichloroethene (TCE)	ND	0.50						0	20	
Trichlorofluoromethane	ND	0.50						0	20	
1,2,3-Trichloropropane	ND	1.0						0	20	
Vinyl chloride	ND	0.50						0	20	
Xylenes, Total	32	0.75						12.0	20	
Surr: Dibromofluoromethane	5.0		5.000		99.6	70	130	0	0	
Surr: 1,2-Dichloroethane-d4	4.8		5.000		96.4	70	130	0	0	
Surr: Toluene-d8	6.1		5.000		121	70	130	0	0	
Surr: 4-Bromofluorobenzene	5.6		5.000		111	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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

WO#:	2312D10
	12 7 24

🎲 eurofins

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Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

			v.nallenvironmenial.			
Client Name:	Harvest	Work Order Num	ber: 2312D10		RcptNo: 1	
Received By:	Tracy Casarrubias	12/22/2023 6:45:00	AM			
Completed By:	Tracy Casarrubias	12/22/2023 7:23:23	AM			
Reviewed By:	A 12-22-23					
Chain of Cust	ody					
1. Is Chain of Cu	stody complete?		Yes	No 🗹	Not Present	
2. How was the s	ample delivered?		Courier			
Log In						
	pt made to cool the sample	s?	Yes	No 🔽	NA 🗌	
4. Were all samp	les received at a temperatu	re of >0° C to 6.0°C	Yes 🗌 🗄	Νο	NA 🔽	
5. Sample(s) in p	roper container(s)?		Yes 🔽	No 🗌		
6. Sufficient samp	ble volume for indicated tes	t(s)?	Yes 🔽	No 🗌		
7. Are samples (e	except VOA and ONG) prop	erly preserved?	Yes 🗹	No 🗌		
8. Was preservati	ive added to bottles?		Yes 🗋	No 🗹	NA 🗌	
9. Received at lea	ast 1 vial with headspace <	1/4" for AQ VOA?	Yes	No	NA 🗹	
10. Were any sam	ple containers received bro	oken?	Yes	No 🗹 🧋	# of preserved	
14 5				_ t	oottles checked	
	rk match bottle labels? ncies on chain of custody)		Yes 🗹	No 🗌 f	(<2 or >12 unk	ess noted)
	prrectly identified on Chain	of Custody?	Yes 🔽	No 🗔	Adjusted?	
13. Is it clear what	analyses were requested?		Yes 🗹	No 🗌		
	g times able to be met? stomer for authorization.)		Yes 🔽	No 🗆 🖊	Checked by:	2 12/22/2
	ng (if applicable)					
	ified of all discrepancies wi	th this order?	Yes	No 🗌	NA 🗹	
Person	Notified:	Date:				
By Whor	n:	Via:	eMail 🗌 Pl	hone 🗌 Fax 🗌	In Person	
Regardir	ng:					
Client In:	structions: Mailing addres	s and phone number are	missing on COC-	TMC 12/22/23		
16. Additional rem	harks:					
17. <u>Cooler Inform</u>	nation					
Cooler No	Temp °C Condition	Seal Intact Seal No	Seal Date	Signed By		
1	N/A Good	Yes				

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Chain-of-Custody Record	Turn-Around Time:	
Client:) + いしち ト	🛛 Standard 🗆 Rush	ANALYSIS LABORATORY
Atta Worken Sumite	Project Name:	www.hallenvironmental.com
Addr	Trunk S	4901 Hawkins NE - Albuquerque, NM 87109
	Project #:	Tel. 505-345-3975 Fax 505-345-4107
Phone #:		Analysis Request
email or Fax#: 1 Swill & how west wedsher Project Manager:		(O) 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
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12/21/20 1740 1 UNA 1 Ora	12.122.123	
camples submitt	es. This serv	es as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Ν Released to Imaging: 4/17/2024 9:45:05 AM

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

Action 309926

CONDITIONS				
Operator:	OGRID:			
Harvest Four Corners, LLC	373888			
1755 Arroyo Dr Bloomfield, NM 87413	Action Number:			
	309926			
	Action Type:			
	[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)			

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2023 Fourth QuarterSolar SVE System Update Trunk S: Content Satisfactory 1. Harvest may continue with future remediation activities as outlined in this report. 2. Install boreholes in proposed locations and conduct sampling at 5' intervals, starting from surface. 3. Submit results to NMOCD along with next report submission.	4/17/2024