NM2-4

2023 Annual Report

BMG Landfarm

OGRID: 2096

Facility ID: fEEM0112331470



March 5, 2024

Brad Jones New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

RE: 2023 Landfarm Annual Monitoring and Sampling Report Permit # NM-02-0004
BMG's Centralized Surface Waste Management Facility Rio Arriba County, New Mexico

Dear Mr. Jones:

Between March and November 2023, Animas Environmental Services, LLC (AES) completed quarterly evaporation pond groundwater monitoring and sampling at the Benson-Montin-Greer Drilling Corporation (BMG) Centralized Surface Waste Management Facility (Landfarm), which is in the NW¼ NW¼ Section 20, T25N, R1E, Rio Arriba County, New Mexico. In addition, AES conducted soil sampling in August and November 2023 in accordance with 19.15.36.15 NMAC for treatment zone (TZ) soils and 19.15.26.20.A and 19.15.36.15 NMAC for vadose zone (VZ) soils.

A separate VZ confirmation sampling event was conducted in April-May 2023 and was summarized in the *Vadose Zone Confirmation Sample Results and Response Action Plan* report submitted in June 2023.

1.0 Site History

1.1 2008 Site Investigation

In April 2008, AES personnel confirmed the presence of liquid within the interstitial well at the Landfarm evaporation pond of the BMG Surface Waste Management Facility. Site investigation activities conducted in May 2008 confirmed that although the primary liner had failed, the integrity of the secondary liner was not compromised, and no release to the environment had occurred. As a precautionary measure, the New Mexico Oil Conservation Division (NMOCD) requested that four groundwater monitor wells (MW-1 through MW-4) be installed around the evaporation pond and monitored quarterly in conjunction with ongoing Landfarm sampling. BMG installed a replacement

624 E Comanche St, Farmington NM 87401 PO Box 8, Farmington, NM 87499 www.animasenvironmental.com Brad Jones 2023 Landfarm Monitoring and Sampling Report March 5, 2024; Page 2 of 8

69-mil high density polyethylene (HDPE) primary liner over the existing secondary liner in late September 2008.

1.2 Monitoring and Sampling, 2014 to 2022

Prior to 2022, AES personnel conducted quarterly groundwater and soil sampling at the facility between March 2014 and November 2022.

1.2.1 Background Sampling

On December 2, 2014, at the request of and in consultation with Brad Jones of the NMOCD, AES personnel collected three background soil composite samples which were intended to establish background conditions for VZ soils. These samples were collected from separate locations found outside active operations areas at the Landfarm. Note that when the Landfarm was originally permitted, background sampling consisted of a limited list of parameters.

Proposed background threshold concentrations were provided via email by Jim Griswold of NMOCD on October 7, 2016, and were subsequently accepted by BMG. Verbal confirmation by NMOCD of the proposed background action levels was made in June 2018. These action levels as well as background sample locations and concentrations were included in the 2014 through 2018 sampling reports.

1.2.2 Evaporation Pond Groundwater Monitoring and Sampling

Groundwater analytical results from monitor wells MW-1 through MW-4 (located around the evaporation pond) have remained below laboratory detection limits for benzene, toluene, ethylbenzene, and total xylenes (BTEX) and total petroleum hydrocarbons (TPH) for all sampling events between 2014 and 2022.

1.2.3 Landfarm Treatment Zone Sampling

Landfarm TZ samples had TPH concentrations below NMOCD Closure Action Levels for all events in Cells 1 and 4 and for several events in Cells 2 and 3. Chloride concentrations were below the applicable NMOCD Closure Action Level for all sampling events between 2014 and 2022.

1.2.4 Landfarm Vadose Zone Sampling

VZ analytical results reported concentrations exceeding the NMOCD approved background threshold concentrations in all cells for various parameters, including TPH and chlorides. Additional exceedances have also been noted for fluoride, nitrate, sulfate, arsenic, barium, chromium, copper, iron, lead, manganese, and zinc.

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2.0 Evaporation Pond Groundwater Monitoring and Sampling, Q1 through Q4 2023

In accordance with the 2008 Sampling and Analysis Plan, groundwater monitoring and sampling of the evaporation pond monitor wells MW-1 through MW-4 (located around the perimeter of the evaporation pond) was conducted on:

- Q1 March 17, 2023;
- Q2 June 21, 2023;
- Q3 August 23, 2023; and,
- Q4 November 29, 2023.

Samples were not collected from the interstitial well due to low yield.

All groundwater samples were submitted for laboratory analysis at Hall Environmental Analysis Laboratory (Hall) in Albuquerque, New Mexico, for the following parameters:

- BTEX per USEPA Method 8260 or 8021B or 8260B;
- TPH Gasoline Range Organics (GRO), Diesel Range Organics (DRO), and Motor Oil Range Organics (MRO) per USEPA Method 8015B;
- Chlorides per USEPA Method 300.0; and,
- Total Dissolved Solids (TDS) Standard Method 2540C.

Note that Hall was acquired in November 2023 and is now Eurofins Environmental Testing South Central, LLC of Albuquerque, New Mexico (Eurofins).

2.1 Groundwater Measurement Data

Prior to sample collection from the groundwater monitor wells, AES measured depth to water and recorded temperature, conductivity, dissolved oxygen (DO), pH, and oxidation reduction potential (ORP) for each well. The initial depth to water in the interstitial well was measured, then the well was bailed to remove any accumulated water. The depth to water was checked two more times during the sampling event to confirm that there was no recharge in the interstitial well. All data was recorded on Water Sample Collection Forms. A summary of water quality data is included in Table 1, water depths are found in Graphs 1 through 4, and Water Sample Collection Forms are included in the Appendix.

2.2 Laboratory Analytical Results

All laboratory analytical results for MW-1 through MW-4 during each sampling event were below laboratory detection limits for BTEX and TPH (GRO, DRO, and MRO).

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Chloride concentrations ranged from 48 milligrams per liter (mg/L) in MW-1 in March 2023 to 410 mg/L in November 2023 in MW-3. TDS levels varied from 638 mg/L in MW-4 in June 2023 to 1,240 mg/L in MW-3 in November. Laboratory analytical results for the monitor well groundwater samples are presented on Table 2, Graphs 1 through 4, and on Figure 1. Groundwater analytical laboratory reports are attached.

3.0 Landfarm Treatment Zone Sampling 2023

Although treatment zones in Cells 1 and 4 have met closure criteria specified in NMAC 19.15.36.15.F, BMG continued to sample these cells in 2023. BMG continues to till Cells 2 and 3 on a regular basis. Additionally, BMG has not added any contaminated soil to any of the Landfarm cells for at least 15 years, and a *Closure/Post-Closure Plan and Exception Request* for the facility was submitted on January 16, 2024.

3.1 Treatment Zone Sampling

In accordance with 19.15.36.15.D NMAC, on August 23, 2023 AES personnel resumed semi-annual collection of composite soil samples from the TZ from Cells 1 through 4 on August 23, 2023. Four discrete samples were collected from randomly selected locations in each cell and then composited to form one sample per cell. The samples were collected from 0.5- to 1-foot below the TZ surface. Sampling dates, periods, sample IDs, and analysis parameters are included as follows:

	Zone		

Cells Sampled	Sampling Date	Sampling Period	Sample ID	Parameter(s) and USEPA Method(s)
1-4	August 23, 2023	SA2 2023	Cell #1 TZ CS-1, Cell #2 TZ CS-1, Cell #3 TZ CS-1, Cell #4 TZ CS-1,	TPH GRO/DRO/MRO per Method 8015 M/D; Chloride per Method 300.0

3.2 Treatment Zone Analytical Results

3.2.1 August 2023

For the August 2023 sampling event, TPH and chloride laboratory analytical results were below NMOCD Closure Action Levels (19.15.36.15.F.1-4 NMAC) in all cells. Results are tabulated in Table 3, sample locations are presented on Figure 2, and laboratory analytical reports are included in the Appendix.

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4.0 Landfarm Vadose Zone

In April and May 2023, AES performed an extensive sampling event for VZ soils in all four cells. The purpose of the VZ sampling was to address exceedances detected in periodic VZ sampling events between 2014 and 2022, which were reported to the NMOCD in a letter dated April 20, 2023. The results of this sampling event were reported to the NMOCD in the report titled *Vadose Zone Confirmation Sample Results and Response Action Plan*, dated June 6, 2023. The following sections describe the routine, periodic sampling events that were conducted in 2023.

4.1 Vadose Zone Sampling

In accordance with 19.15.36.20.A NMAC (Transitional Provisions) for the existing permit and 19.15.36.15.E.2 NMAC, AES personnel resumed quarterly, semi-annual, and annual collection of samples from the VZ in August 2023.

4.1.1 Quarterly Sampling

The permit and the transitional provisions outlined in NMAC 19.15.36.20.A specify quarterly sampling of the VZ at the facility. Samples are to consist of one random, discrete sample from each cell, which are to be analyzed for TPH and BTEX. AES collected quarterly samples on November 29, 2023, from each of the four cells (Cells #1 through #4) at depths of approximately 4.25 to 4.5 feet below the top of native ground surface. Each sample collection point was filled in with bentonite following sampling. The sampling date, period, cells, IDs, and analysis parameters are presented below.

4.1.1 Semi-Annual Sampling

19.15.36.15.E.2 NMAC requires semi-annual sampling of the VZ. Samples are to consist of four randomly selected, independent samples, which are to be analyzed for TPH, BTEX, and chlorides. AES collected semi-annual samples on August 23, 2023, from each of the four cells (Cells #1 through #4) at depths of approximately 4.25 to 4.5 feet below the top of native ground surface. Each sample collection point was filled in with bentonite following sampling. The sampling date, period, cells, IDs, and analysis parameters are presented below.

4.1.2 Annual Sampling

The permit and transitional provisions in NMAC 19.15.36.20 require annual sampling of the VZ, consisting of four randomly selected, independent samples to be analyzed for major cations/anions and Resource Conservation and Recovery Act (RCRA) 8 metals. The exceedance sampling event conducted in April and May 2023 fulfilled this requirement for 2023.

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Vadose Zone Exceedance Confirmation, Quarterly, Semi-Annual, and Annual Sampling

Sampling	Sampling	Sample ID	Parameter(s) and
Period	Date	-	USEPA Method(s)
Q2/SA1/Annual 2023/Exceedance Confirmation	April 24- May 2, 2023	94 discrete sample locations from Cells #1-4	TPH per Method 418.1; Chloride, fluoride, nitrite, nitrate, and sulfate per Method 300.0; Ethylene dibromide per Method 8011/504.1; Phenols per Method 9066; Radium-226 and radium-228 per Method 901.1; Mercury per Method 7471B; Volatile organic compounds (VOCs), including BTEX, per Method 8260B; pH per Method 9040C; Metals per Method 6010B/6020A; Polychlorinated biphenyls (PCBs) per Method 8082A; Cyanide per Method 9012B; Semivolatile organic compounds (SVOCs) per Method
			8270-SIM
Q3/SA2 2023	August 29, 2023	Cell #1 VZ DS-1 Cell #2 VZ DS-1 Cell #3 VZ DS-1 Cell #4 VZ DS-1	TPH GRO/DRO/MRO per Method 8015 M/D; BTEX per Method 8021; Chlorides per Method 300.0
Q4 2023	November 29, 2023	Cell #1 VZ DS-1 Cell #2 VZ DS-1 Cell #3 VZ DS-1 Cell #4 VZ DS-1	TPH GRO/DRO/MRO per Method 8015 M/D

Vadose zone laboratory analytical results from 2023 are summarized in Table 4. Sample locations are presented on Figure 3. Laboratory reports are presented in the Appendix.

4.2 Vadose Zone Sampling Results

- BTEX concentrations below laboratory detection limits in all samples;
- TPH (as GRO/DRO/MRO) no exceedances in all samples;
- and
- <u>Chloride</u> Cell #1 (290 mg/kg) exceedance in August.

The chloride exceedance detected in the sample from Cell #1 fits the pattern for chloride that is discussed in Section 6.1 of the January 2024 *Closure/Post-Closure Plan and Exception Request* for the facility. AES recommends that this chloride exceedance be treated as an outlier.

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5.0 Conclusions and Recommendations

5.1 Conclusions

AES personnel conducted periodic groundwater and landfarm sampling at the BMG Surface Waste Management Facility in 2023. The interstitial well was also monitored for any indications of leaking from the evaporation pond.

Groundwater elevations at the site have remained relatively stable, with depth to groundwater at approximately 40 feet bgs. Laboratory analytical results from monitor wells MW-1 through MW-4 (located around the evaporation pond) have remained below laboratory detection limits for BTEX and TPH for all sampling events in 2023. Note that chloride concentrations have increased steadily over time in MW-3, with the highest concentration reported at 410 mg/L in November 2023; however, chloride concentrations have varied in MW-1, MW-2 and MW-4, appearing to have peaked in 2016 (MW-4) and 2019 (MW-1 and MW-2). Chloride concentrations in these wells were reported at 55 mg/L, 150 mg/L, and 110 mg/L, respectively, in November 2023.

Landfarm treatment zone samples had TPH, BTEX, and chloride concentrations below NMOCD Closure Action Levels in all cells.

Vadose zone analytical results reported concentrations exceeding the NMOCD approved background threshold concentration for chlorides in Cell #1.

5.2 Recommendations and Scheduled Activities

AES prepared and submitted a *Landfarm Closure/Post-Closure Plan and Exception Request* to NMOCD on January 10, 2024. As stated therein, the Closure/Post-Closure Plan is only for the landfarm portion of the facility, as BMG intends to continue using the existing evaporation pond. The exception request proposes alternative closure standards for several constituents present in the soils of the treatment zone and vadose zone.

Monitoring and sampling events are tentatively scheduled for February, May, August, and November 2024. The February sampling event will cover quarterly sampling for the monitor wells, quarterly monitoring of the interstitial well, semi-annual sampling of the treatment zone, and quarterly, semi-annual, and annual sampling parameters of the vadose zone.

If you have any questions regarding the site conditions or sampling results, please do not hesitate to contact Angela Todd at (720) 537-6650 or Elizabeth McNally at (505) 564-2281.

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Sincerely,

Angela Todd, CHMM, PMP Senior Project Manager

Elizabeth V Mindly

Angela Todd

Elizabeth McNally, P.E.

Principal

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Water and Soil Sample Collection Forms and Laboratory Analytical Reports, 2023

Cc: Matt Dimond

Benson-Montin-Greer Drilling Corporation

4900 College Blvd

Farmington, NM 87402

Tables

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TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA
BMG Landfarm, Rio Arriba County, New Mexico

	Date	Top of Casing Elevation (ft	Depth to Water	Water Level Elevation	Тетр.	Specific Conduct.	Dissolved Oxygen		
Well ID	Measured	amsl)	(ft)	(ft amsl)	(°C)	(mS)	(mg/L)	рН	ORP (mV)
MW-1	17-Mar-23	NS	39.00	-39.00	12.9	3.025	6.1	7.5	67.0
MW-1	21-Jun-23	NS	39.00	-39.00	13.8	1.153	7.2	7.1	57.7
MW-1	23-Aug-23	NS	39.13	-39.13	14.6	1.143	4.80	7.19	102.6
MW-1	29-Nov-23	NS	39.32	-39.32	12.7	1.107	4.19	7.17	110.3
MW-2	17-Mar-23	NS	40.08	-40.08	12.8	2.003	7.6	7.6	82.6
MW-2	21-Jun-23	NS	40.05	-40.05	12.4	1.149	8.9	7.4	69.2
MW-2	23-Aug-23	NS	40.18	-40.18	12.8	1.198	6.46	7.53	57.7
MW-2	29-Nov-23	NS	40.39	-40.39	11.6	1.252	5.21	7.21	111.8
MW-3	17-Mar-23	NS	39.39	-39.39	13.2	2.121	5.8	7.3	79.1
MW-3	21-Jun-23	NS	39.34	-39.34	13.6	1.847	8.4	7.3	69.5
MW-3	23-Aug-23	NS	39.48	-39.48	14.2	1.928	4.22	7.26	102.9
MW-3	29-Nov-23	NS	39.67	-39.67	12.0	2.029	3.25	7.05	98.7
MW-4	17-Mar-23	NS	39.84	-39.84	13.1	3.161	5.7	7.4	80.4
MW-4	21-Jun-23	NS	39.82	-39.82	12.8	1.174	7.3	7.2	61.7
MW-4	23-Aug-23	NS	39.99	-39.99	13.0	1.293	5.14	7.24	97.0
MW-4	29-Nov-23	NS	40.17	-40.17	12.6	1.243	3.77	7.08	90.7
Interstitial Well	17-Mar-23	NS	11.12	-11.12	NM - Insuffi	cient Water			
Interstitial Well	23-Aug-23	NS	10.11	-10.11	NM - Insuffi	cient Water			
Interstitial Well	29-Nov-23	NS	10.63	-10.63	NM - Insuffi	cient Water			

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

				Ethyl-	Total	11 11 1/1	New Mexico				
		Benzene	Toluene	Benzene	Xylenes	GRO	DRO	MRO	Total TPH	Chloride	TDS
Well ID	Date	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-1	17-Mar-23	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	<6.1	48	800
MW-1	21-Jun-23	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	<6.1	60	666
MW-1	23-Aug-23	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	<6.1	49	654
MW-1	29-Nov-23	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	<6.1	55	740
MW-2	17-Mar-23	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	<6.1	140	722
MW-2	21-Jun-23	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	<6.1	130	700
MW-2	23-Aug-23	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	<6.1	140	726
MW-2	29-Nov-23	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	<6.1	150	704
MW-3	17-Mar-23	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	<6.1	280	1,040
MW-3	21-Jun-23	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	<6.1	310	1,120
MW-3	23-Aug-23	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	<6.1	310	1,210
MW-3	29-Nov-23	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	<6.1	410	1,240
MW-4	17-Mar-23	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	<6.1	84	720
MW-4	21-Jun-23	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	<6.1	110	638
MW-4	23-Aug-23	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	<6.1	150	720
MW-4	29-Nov-23	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	<6.1	110	723

Notes:

< Analyte not detected above listed laboratory reporting limit.

NA Not Analyzed NE Not Established

MTBE Methyl-tert butyl ether

TPH Total Petroleum Hydrocarbons

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

				Ethyl-	Total							
		Benzene	Toluene	Benzene	Xylenes	GRO	DRO	MRO	Total TPH	Chloride	TDS	
Well ID	Date	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	
		GRO	Gasoline Ra	nge Organics								
	DRO Diesel Range Organics											
		MRO	Motor Oil Range Organics									

^{*} NMED Groundwater Screening Level for Total TPH taken from *Risk Assessment Guidance for Site Investigations and* Screening Level for Unknown Oil. Remediation Volume I, Table 6-4 (November 2022), Groundwater

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TABLE 3 TREATMENT ZONE SOIL ANALYTICAL RESULTS BMG Landfarm, Rio Arriba County, New Mexico

Treatment Zone Cell	ment Zone Cell Date		GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl- Benzene (mg/kg)	Total Xylenes (mg/kg)	Chloride (mg/kg)
	Method	418.1	8015	8015D	8015D	8021B/ 8260B	8021B/ 8260B	8021B/ 8260B	8021B/ 8260B	300.0
NMOCD Closure Action Le	evels (NMAC	2,500	2,500	GRO/DRO/	/MRO		n 2 (Ronzon	ne) / 50 (BTL	-x)	500
19.15.36.15)		2,300	5	00 GRO/DR	0	'	J.Z (Delizeli		- <i>/</i> /	500
1	23-Aug-23	NM	<4.9	110	210	NM	NM	NM	NM	<60
2	23-Aug-23	NM	<4.8	200	340	NM	NM	NM	NM	<60
3	23-Aug-23	NM	<4.7	170	300	NM	NM	NM	NM	<60
4	23-Aug-23	NM	<4.9	39	60	NM	NM	NM	NM	<61

Notes: < Analyte not detected above listed method limit

NM Not Measured
TPH Total Petroleur

Total Petroleum Hydrocarbons

TABLE 4 VADOSE ZONE SOIL ANALYTICAL RESULTS BMG Landfarm, Rio Arriba County, New Mexico

	W. d 7 6 d.		Total	TPH	TPH	TPH		-	Ethyl-	Total	
Cell #	Vadose Zone Sample ID	Date	TPH mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Benzene mg/kg	Toluene mg/kg	Benzene mg/kg	Xylenes mg/kg	Chloride mg/kg
1	Cell #1 DS-1	23-Aug-23	NM	<5.0	<9.5	<47	<0.025	<0.050	<0.050	<0.10	290
1 Cell #1 DS-1		29-Nov-23	NM	<4.7	<9.5	<48	NM	NM	NM	NM	NM
2	Cell #2 DS-1	23-Aug-23	NM	<4.8	24	<49	<0.024	<0.048	<0.048	<0.096	<60
2	Cell #2 DS-1	29-Nov-23	NM	<4.8	<10	<50	NM	NM	NM	NM	NM
3	Cell #3 DS-1	23-Aug-23	NM	<4.8	<9.3	<47	<0.024	<0.048	<0.048	<0.095	<60
3	Cell #3 DS-1	29-Nov-23	NM	<4.9	<9.9	<50	NM	NM	NM	NM	NM
2	Cell #4 DS-1	23-Aug-23	NM	<4.7	<9.4	<47	<0.023	<0.047	<0.047	<0.094	<60
4	Cell #4 DS-1	29-Nov-23	NM	<4.6	<8.5	<42	NM	NM	NM	NM	NM

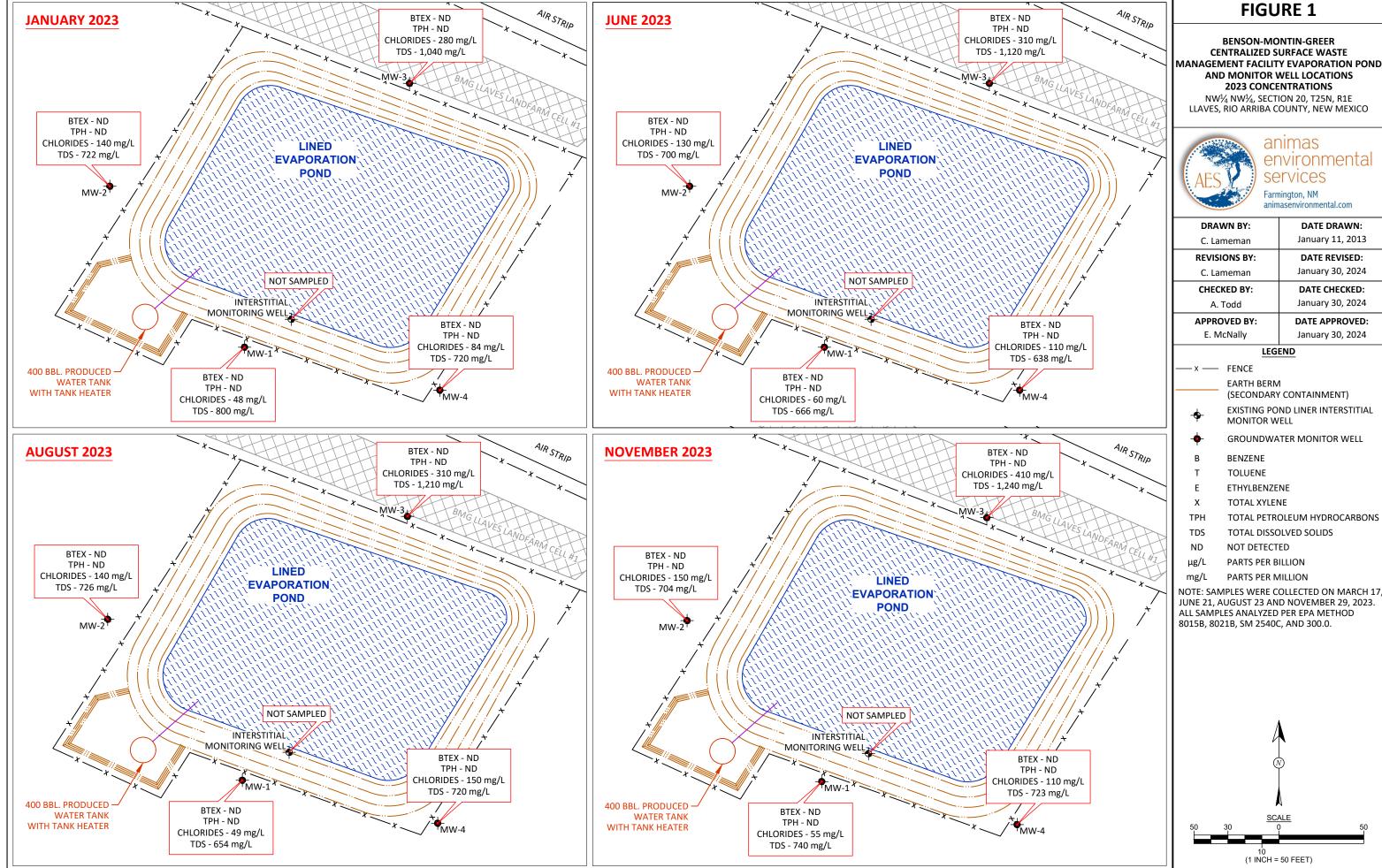
Notes:	<	Analyte not detected above given laboratory reporting limit.
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DRO	Diesel range organics.
GRO	Gasoline range organics.
MRO	Motor oil range organics.
NM	Analyte not measured.

NS No Approved Background Level standard was established for this analyte.

TPH Total petroleum hydrocarbons.

Figures



BENSON-MONTIN-GREER CENTRALIZED SURFACE WASTE MANAGEMENT FACILITY EVAPORATION POND AND MONITOR WELL LOCATIONS **2023 CONCENTRATIONS**

NW¼ NW¼, SECTION 20, T25N, R1E LLAVES, RIO ARRIBA COUNTY, NEW MEXICO



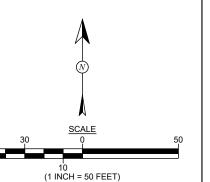
DRAWN BY:	DATE DRAWN:
C. Lameman	January 11, 2013
REVISIONS BY:	DATE REVISED:
C. Lameman	January 30, 2024
CHECKED BY:	DATE CHECKED:
CHECKED BY: A. Todd	DATE CHECKED: January 30, 2024

EXISTING POND LINER INTERSTITIAL

GROUNDWATER MONITOR WELL

TOTAL PETROLEUM HYDROCARBONS

8015B, 8021B, SM 2540C, AND 300.0.



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										DE 2
	TRE		E MONITORING			1400	CI II ODIDE		FIGU	KE Z
SAMPLE ID	SAMPLE LOCATION	SAMPLE DATE	SAMPLE DEPTH (ft)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	CHLORIDE (mg/kg)		BENSON-MO	NTIN-GREER
	NMOC		TION LEVELS 19.15.36.15)		00 GRO/DRO/I 500 GRO/DRO		500		TREATMENT ZON LOCATIONS A	IE MONITORING
Cell #1 TZ CS-1	CELL #1	23-Aug-23	0.5	<4.9	110	210	<60		202	
Cell #2 TZ CS-1	CELL #2	23-Aug-23	0.5	<4.8	200	340	<60		NW⅓ NW⅓, SECTIC LLAVES, RIO ARRIBA CO	ON 20, T25N, R12E
Cell #3 TZ CS-1	CELL #3	23-Aug-23	0.5	<4.7	170	300	<60			SOLL I, ILLW MEXICO
Cell #4 TZ CS-1	CELL #4 COMPOSITE SAMPLES.	23-Aug-23	0.5	<4.9	39	60	<61			
ALL SAMPLES WERE	COMPOSITE SAMPLES.								AES en se	imas ivironmental rvices ington, NM asenvironmental.com
									DRAWN BY:	DATE DRAWN:
									C. Lameman	January 11, 2013
								x x x x x x x x	REVISIONS BY:	DATE REVISED: January 30, 2024
								x — x — x — x — Cell #4 TZ Location 1	C. Lameman CHECKED BY:	DATE CHECKED:
								Cell #4 TZ Location 2	A. Todd	January 30, 2024
								_xxxxx Cell #4 TZ Location 3	APPROVED BY:	DATE APPROVED:
					-x —	x x	_ x x -		E. McNally LEGE	January 30, 2024
× × × × × × × × × × × × × × × × × × ×	CELL #2 X Cell #2 TZ Loca CELL #2 X CELL #2	tion 1	- x - x - x - x - x - x - x - x - x - x	x x	ell #2 TZ Locati		Cell #2 TZ Lo	Cell #3 TZ Location 4 STORM WATER SETTLING PONDS	AUGUST 2023 SAM (FOR COMPOSITE S	IPLE LOCATIONS
								AIR STRIP		
CELL #1 CELL #1 X CELL #1 X X X X X X X X X	///// • ///	Z Location 3	Cel	X — X — X — X — X — X — X — X — X — X —	x — x — ion 2 — — x — — x — — x — — x — — — x — — — — x — — — — — x —	Cell #1 TZ I			150 90 SCA 150 90 0 30 (1 INCH = 1	150

			VA	ADOSE ZONE I	MONITORING	LOCATIONS					
SAMPLE ID	SAMPLE LOCATION	SAMPLE DATE	SAMPLE DEPTH (ft)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL- BENZENE (mg/kg)	XYLENES, TOTAL (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	CHLORIDE (mg/kg)
APPROVED BACKGROUND		0.05	0.05	0.05	0.1		NS		25		
Cell #1 DS-1	CELL #1	23-Aug-23	4.25	<0.025	<0.050	<0.050	<0.10	<5.0	<9.5	<47	290
Cell #2 DS-1	CELL #2	23-Aug-23	4.25	<0.024	<0.048	<0.048	<0.096	<4.8	24	<49	<60
Cell #3 DS-1	CELL #3	23-Aug-23	4.25	<0.024	<0.048	<0.048	<0.095	<4.8	<9.3	<47	<60
Cell #4 DS-1	CELL #4	23-Aug-23	4.50	<0.023	<0.047	<0.047	<0.094	<4.7	<9.4	<47	<60
Cell #1 DS-1	CELL #1	29-Nov-23	4.25	NM	NM	NM	NM	<4.7	<9.5	<48	NM
Cell #2 DS-1	CELL #2	29-Nov-23	4.50	NM	NM	NM	NM	<4.8	<10	<50	NM
Cell #3 DS-1	CELL #3	29-Nov-23	4.50	NM	NM	NM	NM	<4.9	<9.9	<50	NM
Cell #4 DS-1	CELL #4	29-Nov-23	4.25	NM	NM	NM	NM	<4.6	<8.5	<42	NM
ALL SAMPLES WERE	DISCRETE SAMPLES.										

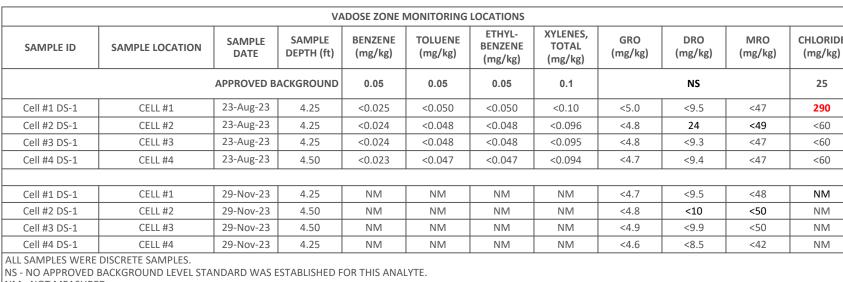
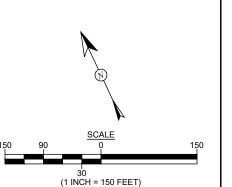


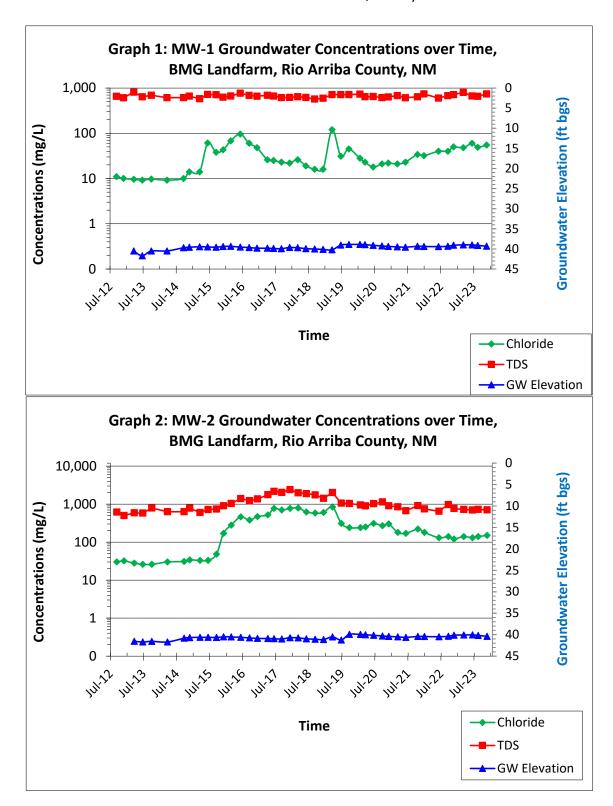
FIGURE 3 **BENSON-MONTIN-GREER VADOSE ZONE MONITORING** LOCATIONS, 2023 NW¼ NW¼, SECTION 20, T25N, R12E LLAVES, RIO ARRIBA COUNTY, NEW MEXICO animas environmental animasenvironmental.com DRAWN BY: DATE DRAWN: NM - NOT MEASURED January 11, 2013 C. Lameman Çell #4 VZ DS-1 🌘 **REVISIONS BY:** DATE REVISED: C. Lameman January 30, 2024 DATE CHECKED: CHECKED BY: A. Todd January 30, 2024 CELL #4 APPROVED BY: DATE APPROVED: STORM WATER, E. McNally January 30, 2024 SETTLING LEGEND **POND** AUGUST 2023 SAMPLE LOCATIONS Çéll #3 VŹ DS-1∕ ∕Cell #2 VZ DS-1 Ø Céll #2 VZ DS-1 NOVEMBER 2023 SAMPLE LOCATIONS STORM WATER SETTLING **PONDS** ∕ÇeÍI #́3 ÝZ DS-1 Ǿ CELL #2 CELL #3 AIR STRIP ∕**Ç**eĺJ #1 VZ DS-1 ∕ Céll #1 VŹ DS-1 🌘 ĆEĹL #1 BMG LLAVES YARD EVAPORATION **POND**



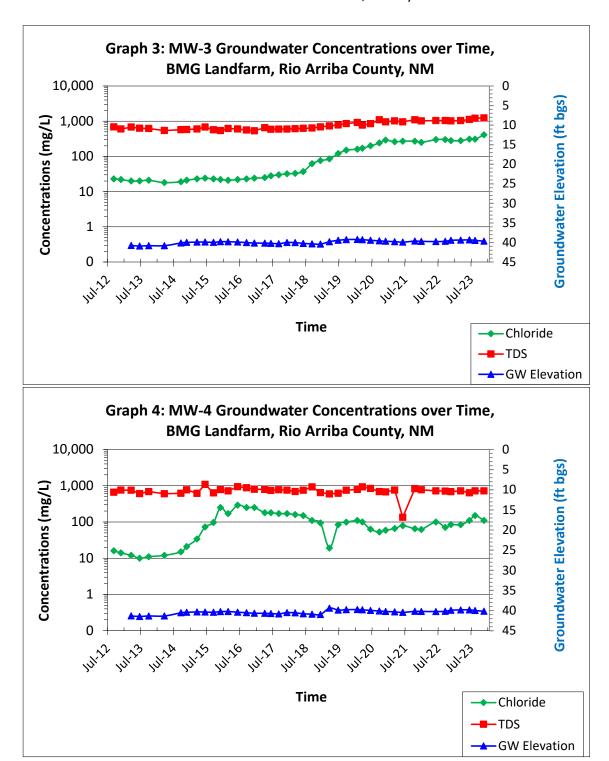
Received by OCD: 3/6/2024 10:51:20 AM

Graphs

GRAPHS BMG Landfarm Rio Arriba, County



GRAPHS BMG Landfarm Rio Arriba, County



Appendix

	MEAS	TO GROUND SUREMENT F	Animas Environmental Services 624 E. Comanche St, Farmington NM 87401 Tel. (505) 564-2281 animasenvironmental.com	
Project:	Groundwater I	Monitoring and	d Sampling	Project No.:
Site:	Evaporation Po			Date: 03-17-23
Location:	BMG Landfarm	ń		Time: 10:40
Tech:				Form:
			1	
Well	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Notes / Observations
MW-1		39.00		11:15
MW-2		40.08		13:45
MW-3		39.39		12:46
MW-4		39.84		12:05
Interstitial		11.12		10:56
Well		11.12		11,22 @ 11;09 - 11:24 8 14134
	2			
		1		
4				

M	ONITORIN	G WELL SAMPL	ING RECO	RD		Animas Environme	ntal Services	
N	Monitor Well	No: Interstiti	al Well		624 E. Comanche St., Farmington NM 87401 Tel. (505) 564-2281 Fax (505) 324-2022			
S	ite: Evaporat	ion Pond				Project No.: AES	(303) 324 2022	
	on: BMG	onrond			-	Date: 03-/7-	23	
		ater Monitoring and	Sampling		4	Arrival Time: (1)		
			Jamping		-	Arrival Time: 10/50 Air Temp: 30 ° C/	1 1	
Dani	pling Technic Purge / No Pu	rge: Purg	Α		т.	C Flev (ft):	may.	
		(in): 6			Total W	O.C. Elev. (ft): 12.	12	
		(ft): 11.12		10.5		(taken at initial gauging		
				_		(taken prior to purging	1 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
-	Final D.T.W.	(ft): /1.12 (ft): /1.24	Time:		4			
	If NAPL Pres	ent: D.T.P.:	D.T.W.:			kness: Time:		
			2000					
		Water Quai		ers - Rec Calib		uring Well Purging		
	Temp	Conductivity	DO		ORP	PURGED VOLUME		
Time	(deg C	(μS) (mS)	(mg/L)	рН	(mV)	(see reverse for calc.)	Notes/Observations	
V	18	y (pay (may	(8/ =/	p	()	(occiterence ic. canal)	V	
1	+						Λ	
-	-							
-	- 1							
-								
			1.00					
V								
_ 1							1	
	Analytica	l Parameters (inclu	de analysis n	nethod a	nd num	ber and type of sample	containers)	
		Full VOCs per EF	A Method 8	021 (3 -	40 mL Vi	als w/ HgCl2 preserve)		
	TPH (GRO/DRO/MRO) pe	r EPA Metho	d 8015 (1 - 250 r	nL amber glass w/ no pre	eserve)	
	TDS per EPA N	Method SM2540C ar	nd Chlorides	per EPA	Method	300.0 (1-500mL Plastic v	v/ no preserve)	
		Disposal of Pur		11				
	Collected S	amples Stored on Ic	Control of the control of	17 1				
				MALL				
	Chair	n of Custody Record		144				
						tal Analysis Laboratory, A		
Ec	quipment Use	d During Sampling:	Keck Water	Level or	Keck Int	erface Level, YSI Water (Quality Meter	
		and Nev	w Disposable	Bailer				
otes/C	Comments:	after bailing	- 414) les	rel ne	ading: 11.2:	2 @ 11:09	
		4		*				

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	NITORING	WELL SAMPI		ORD	Animas Environmental Services 624 E. Comanche St., Farmington NM 87401 Tel. (505) 564-2281 Fax (505) 324-2022				
Site	: Evaporation	Pond		_	DIL.		(505) 324-2022		
Location		Tona			_	Project No.: AES	27		
Project	: Groundwate	r Monitoring an	d Sampling		Date: 3-/7-23				
Sampli	ing Technician	: 172	a sampling		_	Arrival Time: 10:42	2		
	ge / No Purge		TP.		- T	Air Temp: 30° O.C. Elev. (ft):			
	Diameter (in)			-		(ell Depth (ft): 45	C1		
	tial D.T.W. (ft)		Time:	11:11					
Confi	rm D.T.W. (ft)	39.00	Time:	11:16	-	_ (taken at initial gaugin _ (taken prior to purging			
Fir	nal D.T.W. (ft)	43.28	Time:	11:50		_(taken after sample co.			
If	NAPL Present	D.T.P.:		77.00		kness: Time			
			ity Parame		corded Di	uring Well Purging			
						03-16-23 50			
	Temp	Conductivity	DO		ORP	PURGED VOLUME			
Time	(deg C)	(μS) (mS)	(mg/L)	рН	(mV)	(see reverse for calc.)	Notes/Observation		
11.20	14.2	2007	4.6	7.2	33.2	,25	Tan		
11:32	12.9	1941	5.6	7.3	66.0	1	No odon		
11735	12.9	3025	6.1	7.5	67.0	1 gellen	5.4.4		
11:40		70-7	1011	100	67.0	2 gellon	5.44		
7.70						low Reclinings	(at)		
11:47						Samples Collecter	/		
	Analytical Par	ameters (includ	a analysis	mothod o			N. 74-04-14-9		
						per and type of sample of	containers)		
						ls w/ HgCl2 preserve)			
TDC	TPH (GRO	/DRO/MRO) per	EPA Metho	od 8015 (1 - 250 m	L amber glass w/ no pre	serve)		
103	per EPA Meth	od SM2540C an	d Chlorides	per EPA	Method 3	300.0 (1-500mL Plastic w	/ no preserve)		
Co	ollected Sampl	Disposal of Purg es Stored on Ice	ged Water:	My	sound)	-Ne droninge	To SW Armer		
		Custody Record	,	/					
		Analytical La	aboratory:	Hall Envi	ronmenta	al Analysis Laboratory, A	Ihuguergue NM		
Equip	ment Used Du	ring Sampling:	Keck Water	Levelor	Keck Inte	erface Level, YSI Water Q	uality Motor		
			Disposable			riace Level, 131 Water Q	uality weter		
otes/Comr	ments: Car	lendetal	Pens		23	gallous			
						0			

MOI	VITORING V	WELL SAMPL	ING REC	ORD	Animas Environmental Services			
Mo	nitor Well No:	MW	-2		62	24 E. Comanche St., Farm	nington NM 87401	
				-		Tel. (505) 564-2281 Fax		
Site	Evaporation	Pond			-	Project No.: AES	(555) 52 1 2522	
Location					-	Date: 3-17-2	3	
Project	Groundwater	r Monitoring and	d Sampling		-	Arrival Time: /3:42		
	ng Technician:				-	Air Temp: 36° C/		
Pur	ge / No Purge:	Purg	e		T.0	O.C. Elev. (ft):		
Well	Diameter (in):	2			Total W	ell Depth (ft): 45.	56	
	ial D.T.W. (ft):		Time:	13:4	15	(taken at initial gauging	g of all wells)	
	rm D.T.W. (ft):		Time:	13:41		_(taken prior to purging		
	nal D.T.W. (ft):		Time:	14:1		_(taken after sample col		
If	NAPL Present:	D.T.P.	_ D.T.W.	:	_ Thic	kness: Time		
		Water Qual	ity Parame	ters - Rec	orded Du	uring Well Purging		
		L. N. Die C. W.	YSI	2 - Cali	brated: @	03-16-23 50		
	Temp	Conductivity	DO		ORP	PURGED VOLUME		
Time	(deg C)	(μS) (mS)	(mg/L)	рН	(mV)	(see reverse for calc.)	Notes/Observati	
13:52	14.2	2288	8%	7.4	72.0	125 initial	Tou,	
13:56	13.3	2183	7.4	7.5	76.7	100 (mmol	Tou Turbiel	
						1 agussus	Ton odor	
14:01	12.9	2084	7.7	7.6	80.0	Zgelon	No odor	
14:02	f.		A 14 5 1		war	t for rectary	e of orell	
14:11	122	2003	7.6	7.6	82.6	3 gallon	- Elear	
				2.5	.55			
14:15			1-1-0			Samples Collecte	1-	
					7.3			
					100			
	Analytical Par	rameters (includ	de analysis	method :	and numl	ber and type of sample	containers)	
							3.45.00.45.40.40	
						als w/ HgCl2 preserve)		
						nL amber glass w/ no pre		
TDS						300.0 (1-500mL Plastic v		
					mud -	No desirage	& SW drain.	
C		les Stored on Ice						
		Custody Record		-				
			the second secon		ironment	al Analysis Laboratory, A	Ibuquerque NM	
Equir	ment Used Di	1				erface Level, YSI Water C		
-441		/	v Disposable		ACCK IIII	criace Level, 131 Water C	adility Weter	
Notes IC		1/ :			- 4-			
Notes/Com	ments: (a	aufated f.	enge -	- 2.0	8 =	= 3.0 gallon	us -	
						0		

MONITORING WELL SAMPLING RECORD					Animas Environmental Services				
Mor	nitor Well No:	MW	-3		624 E. Comanche St., Farmington NM 87401				
				-		Tel. (505) 564-2281 Fax			
Site	Evaporation I	Pond				Project No.: AES	1		
Location					_	Date: 3-/7-2	3		
Project:	Groundwater	Monitoring and	Sampling		-	Arrival Time: /2:43			
Sampli	ng Technician:	20				Air Temp: 34 ° CI	lough -		
Purg	ge / No Purge:	Purg	e	5.4	T.0	O.C. Elev. (ft):			
Well	Diameter (in):	2			Total W	ell Depth (ft): 45.	.61		
				12;	46	(taken at initial gaugin	g of all wells)		
					17				
			Time:	13.2		_(taken after sample co			
If I	NAPL Present:	771.711.11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.							
		Water Qual	ity Parame	ters - Red	corded Du brated:	uring Well Purging			
Temp Conductivity DO				ORP	PURGED VOLUME				
Time	(deg C)	(μS) (mS)	(mg/L)	pH	(mV)	(see reverse for calc.)	Notes/Observations		
12:55	12.7	1801	3.9	7.2	92.2		The should		
13:00	12.1	1001	2.7	1.2	1				
	200	1/02/1	- 0	22		for Recharge.	Shiple Tunkil		
13:15	12.9	4041	5.8	7.3	62.9	/ gerlen	slightly whil		
13.20	13.2	2121	2.8	7.3	79.1	1.5 garhen	5 810.		
13:26						Samples Colle	extend -		
	1								
		1							
	Analytical Par	rameters (includ	le analysis	method	and numb	per and type of sample	containers)		
		ull VOCs per EP	A Method 8	8021 (3 -	40 mL Via	als w/ HgCl2 preserve)			
	TPH (GRO	/DRO/MRO) per	r EPA Meth	od 8015	(1 - 250 m	nL amber glass w/ no pre	eserve)		
TDS						300.0 (1-500mL Plastic v			
						No drawing to			
Co	ollected Samp	les Stored on Ice				a de	- crowns		
		Custody Record		1					
	Chain of			7	ironmont	al Analysis Laboratory, A	Albuqueraue MAA		
Equip	mont Head D								
Equip	ment used Di				Keck Inte	erface Level, YSI Water (Quality Meter		
	. 1		Disposable						
lotes/Com	ments:	culated o	Jungl	- 3.0	O gel	Losso			
MIN-	had law	respanse 1	ato-		0				
M/W-	hed law	respanse 1	ate-	- <i>5.</i> .	O gal	Nous			

MOI	VITORING V	WELL SAMPL	ING RECO	ORD		Animas Environme	ntal Services	
Mo	nitor Well No:	MW	-4		624 E. Comanche St., Farmington NM 87401			
						Tel. (505) 564-2281 Fax	(505) 324-2022	
Site	: Evaporation	Pond				Project No.: AES		
Location						Date: 377-2	3	
Project	: Groundwate	r Monitoring and	Sampling		-	Arrival Time: /2:60		
Sampli	ng Technician:	do	4 44 4 4 4			Air Temp: 320 C	loudy	
	ge / No Purge:		e			O.C. Elev. (ft):		
Well	Diameter (in):	2			Total W	ell Depth (ft): 45.	.64	
	ial D.T.W. (ft):		Time:	12:00		_(taken at initial gaugin		
	rm D.T.W. (ft):		Time:	12:06		_(taken prior to purging		
		39.89	Time:	12:2		_(taken after sample co		
If	NAPL Present:	D.T.P.:	_ D.T.W.	:	_ Thic	kness: Time		
		Water Qual				uring Well Purging		
			YSI	2 - Calil	orated:	3-16-23 JS		
	Temp	Conductivity	DO		ORP	PURGED VOLUME		
Time	(deg C)	(μS) (mS)	(mg/L)	pН	(mV)	(see reverse for calc.)	Notes/Observation	
12:10	12.6	3/07	5.5	7.3	81.7	125 initial	clear plan	
12:15	13.2	650	6.0	7.4	80.8	/sallons	Shightly Torber	
12:20	13.2	2966	6.2	7.4	80.6	2 gallon	5.419	
	13.1	3/6/	5.7	7.4	80.4	3 gellen	5 A.A.	
	12.1	2167	3.7	1.7	0007	Sypian		
12:30					1	Samples Colle	11	
12:10						Jampus (sine	tall	
	Analytical Pa	rameters (inclu	de analysis	method :	and num	ber and type of sample	containers)	
						als w/ HgCl2 preserve)	2 7 7 1 11 2 78	
		7				nL amber glass w/ no pr	eserve)	
TD						300.0 (1-500mL Plastic		
10.	per Li A Ivieti							
6		Disposal of Pur	ged water:	Maga	my -/	Vo drawing to SU	draws.	
C		les Stored on Ic	e in Cooler:	ups				
	Chain of	Custody Record		1				
		Analytical I	Laboratory:	Hall Env	ironmen	tal Analysis Laboratory,	Albuquerque, NM	
Equi	pment Used D	uring Sampling:	Keck Wate	r Level o	r Keck Int	terface Level, YSI Water	Quality Meter	
			w Disposabl					
Notes/Con	nments:	destated Com	2 2.8	sulla	ws x	3.0		
	12.	you	, , ,	8				
						-		
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DEPTH	TO	GRO	UND	WAT	ER
MEA	SUF	REME	NT F	ORN	7

Animas Environmental Services

624 E. Comanche St, Farmington NM 87401
Tel. (505) 564-2281 animasenvironmental.com

		Tel. (505) 564-2	2281 animasenvironmental.com
Project:	Groundwater Monitoring and Sampling	Project No.:	
Site:	Evaporation Pond	Date:	6-21-23
ocation:	BMG Landfarm	Time:	16:23
Tech:		Form:	1

Well ID	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Notes / Observations
MW-1		39.00	-	16:42
MW-2		40.05		17:55
MW-3		39.34	_	18:31
MW-4	-	39.82		17:20
Interstitial Well				Not garged at this time -

Wells measured with KECK water level or KECK interface tape, decontaminated between each well measurement.

MON	IITORING \	WELL SAMPL	ING REC	ORD		Animas Environme	ntal Services			
Mon	itor Well No:	MW	7-1		62	624 E. Comanche St., Farmington NM 87401				
				-		Tel. (505) 564-2281 Fax	왕이야 있다면 나이지 아니다 하네요.			
Site:	Evaporation	Pond				Project No.: AES	(444)			
Location:					_	Date: 6-21	-23			
Project:	Groundwate	r Monitoring and	d Sampling		-	Arrival Time: 16:3				
the second secon	g Technician					Air Temp: 96 5	my-Will.			
Purg	e / No Purge	Purg	ge		T.0	D.C. Elev. (ft):	3			
	Diameter (in):				Total W	ell Depth (ft): 45.	61			
Initi	al D.T.W. (ft):	39 00	Time:	16	42	(taken at initial gauging	g of all wells)			
		39.00			43	(taken prior to purging	well)			
7.77		43.78		17:00		(taken after sample col				
If N	IAPL Present:	D.T.P.:	D.T.W.	:	_ Thicl	kness: Time				
		Water Qual	ity Parame	ters - Red	orded Du	iring Well Purging				
			YSI	Cali	brated:	1.50				
	Temp	Conductivity	DO		ORP	PURGED VOLUME				
Time	(deg C)	(μS) (mS)	(mg/L)	pH	(mV)	(see reverse for calc.)	Notes/Observation			
16:52	14.6	1316	8.4	7.1	56.2	.25 in tal	Cler			
16:56	13.5	1177	7.3	7.0	53.8		Turbed - Tay			
16:59	13.8	1153	22	7.1		1 gullan	E A I			
1812-1,	1.300		1,6	111	57.7	Z gallow	5-44,			
						for her	hango			
17:02			-			Samples Cla	wto -			
						/				
					h					
100	Analytical Pa	rameters (includ	de analysis	method	and numb	per and type of sample	containers)			
		Full VOCs per EP	A Method 8	8021 (3 -	40 mL Via	als w/ HgCl2 preserve)				
						nL amber glass w/ no pre	eserve)			
TDS						300.0 (1-500mL Plastic v				
1,545	per errorites.						v/ no preserve/			
	II 1 C	Disposal of Pur			went					
Co		les Stored on Ico		-/-						
	Chain of	Custody Record		7						
		Analytical L	.aboratory:	Hall Env	ironment	al Analysis Laboratory, A	Albuquerque, NM			
Equip	ment Used D	uring Sampling:	Keck Wate	r Level o	Keck Inte	erface Level, YSI Water C	Quality Meter			
		and New	v Disposabl	e Bailer						
Notes/Com	ments:	Calculator	A fin	10	3.21	gallans				
			0	,		July				
ed to Imagin	g: 4/8/2025 1:	00:45 PM								
	U .									

MON	NITORING Y	WELL SAMPL	ING RECO	ORD	Animas Environmental Services			
Mor	nitor Well No	: MW	1-2		62	4 E. Comanche St., Farm	nington NM 87401	
		-		-		Tel. (505) 564-2281 Fax		
Site	Evaporation	Pond				Project No.: AES	(4.52) 12.1.2.2.	
Location					-	Date: 6-21-2	23	
Project	Groundwate	er Monitoring an	d Sampling		3.	Arrival Time: 17:5	3	
Sampli	ng Technician	: 25				Air Temp: 9/°	Sumy Brus	
Pur	ge / No Purge	: Pur	ge		T.0	D.C. Elev. (ft):		
	Diameter (in)			- 7.=		ell Depth (ft): 45.		
	ial D.T.W. (ft)		-	_		(taken at initial gauging		
	m D.T.W. (ft)		Time:		56	(taken prior to purging		
	al D.T.W. (ft) NAPL Present		_ Time: D.T.W.	10	1 /	_(taken after sample coll kness: Time:	T. T. C.	
	VAFL FIESEIIL							
		Water Qua	The second second	ters - Red - Cali		uring Well Purging		
	Temp	Conductivity	1	Call	ORP	PURGED VOLUME		
Time			Hilliot for	- 11			Notes/Observati	
Time	(deg C)	(μS) (mS)	(mg/L)	pH	(mV)	(see reverse for calc.)	Clear	
1802	13.5	1282	7.4	7.2	68.2	· 25 initial	Brown Cubil	
1806	12.4	1229	8.9	7.4	68.1	1 gallon	Brown Jorbid	
1810	124	1149	8.9	7.4	69.2	2 gallar	544.	
10:16					-	Samples Col	latel-	
						1		
	V 723 Savians						DATE SHAPE OF	
	Analytical Pa	arameters (inclu	de analysis	method	and num	ber and type of sample	containers)	
		Full VOCs per El	PA Method	8021 (3 -	40 mL Vi	als w/ HgCl2 preserve)		
	TPH (GR	O/DRO/MRO) pe	er EPA Meth	od 8015	(1 - 250 n	nL amber glass w/ no pre	eserve)	
TDS						300.0 (1-500mL Plastic v		
		Disposal of Pu						
-	allastad Cana				Gunda	·/		
C		ples Stored on Id		/				
	Chain of	f Custody Record		6	ta 2 and a	and America's Late and a second	Herman and Alax	
-						tal Analysis Laboratory, A		
Equi	pment Used [r Keck Int	erface Level, YSI Water (Quality Meter	
	F		w Disposabl	7				
Notes/Con	nments:	Calcula	tel ?	meze	Zi	5 gallons		
				0		2		

MONITORING WELL SAMPLING RECORD Monitor Well No: MW-3				Animas Environmental Services 624 E. Comanche St., Farmington NM 87401			
Site: Evaporation Po	ond				Project No.: AES		
Location: BMG					Date: 6-21-23		
Project: Groundwater Monitoring and Sampling					Arrival Time: 18 2	8	
Sampling Technician:					Air Temp: 90°	Sunny Brauzy	
Purge / No Purge:	Purg	ge		T.C).C. Elev. (ft):		
Well Diameter (in): _	2				ell Depth (ft): 45.		
Initial D.T.W. (ft):		Time:			(taken at initial gaugin		
Confirm D.T.W. (ft):	39.34	_	_		(taken prior to purging		
Final D.T.W. (ft):		Time:			(taken after sample col		
If NAPL Present: D	D.T.P.:	_ D.T.W.		_ Thick	ness: Time		
	Water Qual				ring Well Purging		
		YSI	Cali	brated:			
Temp	Conductivity	DO		ORP	PURGED VOLUME	Harris Armed A	
Time (deg C)	(μS) (mS)	(mg/L)	pH	(mV)	(see reverse for calc.)		
18:34 13.5	1948	3.7	7.1	21.3	. 25	Clear odos	
18:37 15.1	1879	5.0	7.2	692	Gallon	Turbid Brawn	
18:41 13.6	1847	8.4	7.3	695	- grand	5. A.A.	
10 11 1-10	1011	0.7		1,33	- Galle	-	
		-					
2					0		
18:50				-	Sample Collei	tel -	
		-					
Analytical Para	meters (inclu	de analysis	method	and numb	per and type of sample	containers)	
r.	III.VOCs nor FF	A Mathad (2021/2	40 ml Mia	de vu/ HaCl2 presental		
					ils w/ HgCl2 preserve)		
				The state of the s	Lamber glass w/ no pro		
					300.0 (1-500mL Plastic v	w/ no preserve)	
D	isposal of Pur	ged Water:	- Che	ground	/		
Collected Sample	s Stored on Ic	e in Cooler:	415	7.1			
Chain of C	ustody Record	Complete:	Ves				
	Analytical I	Laboratory:	Hall Env	ironment	al Analysis Laboratory, A	Albuquerque, NM	
Equipment Used Dur	ing Sampling:	Keck Wate	r Level o	Keck Inte	erface Level, YSI Water	Quality Meter	
100000000000000000000000000000000000000		w Disposabl					
Notes/Comments:	13/11	tel	-		3.0 gallo	lana.	
-	un Unda	vee ;	0	7	garle	N.	
ed to Imaging: 4/8/2025 1:00	. 45 DM						

		24 E. Comanche St., Farm Tel. (505) 564-2281 Fax Project No.: AES Date: 6-2/, 2 Arrival Time: 77:1- Air Temp: 91°56	(505) 324-2022		
ime: 17		Project No.: AES Date: 6-2/, Arrival Time: 77: 75	(505) 324-2022		
ime: 17	т.с	Project No.: AES Date: 6-2/, a Arrival Time: 17:15	2.3		
ime: 17	— т.с	Date: 6-2/, a	23		
ime: 17	— т.с	Arrival Time: 17:1-	23		
ime: 17	— т.с	Air Temn: 01° =			
		O.C. Elev. (ft):	inty Windy		
	Total W	'ell Depth (ft): 45.	.64		
	:20	(taken at initial gaugin			
	Time: 17.21 (taken prior to purging well)				
ime: 17,	:41	(taken after sample col	llection)		
D.T.W.:		kness: Time	:		
arameters - F	ecorded Di	uring Well Purging			
	alibrated:				
DO	ORP	PURGED VOLUME			
ng/L) pH	(mV)	(see reverse for calc.)	Notes/Observation		
2 7.0	57.2	25 initial	Clear da		
5 7/	1000		Tan elighthe		
3 7,2	7	2 gallon	S.A.H.		
		2 June			
-		Samples Cul	etul-		
alizata az aklas	discord accord	Canada Income at contrat.	102 p25 V 1005V		
alysis metho	d and numi	ber and type of sample	containers)		
ethod 8021 (3	- 40 mL Via	als w/ HgCl2 preserve)			
Method 801	5 (1 - 250 n	nL amber glass w/ no pre	eserve)		
lorides per El	A Method	300.0 (1-500mL Plastic v	w/ no preserve)		
	a grand	/			
Cooler: 1/0	gione				
-/-					
plete: yes	The second	ACADEMIC ADMINISTRATION OF THE PARTY OF THE	Mary Park Taran		
		tal Analysis Laboratory, A			
Water Level	or Keck Inte	erface Level, YSI Water C	Quality Meter		
oosable Baile	r				
m 2.	8 an 1/2	ili s			
7	0				
,	,		ge - 2.8 gallous		

DEPTH TO GROUNDWATER
MEASUREMENT FORM
oundwater Monitoring and Sampling

Animas Environmental Services

624 E. Comanche St, Farmington NM 87401
Tel. (505) 564-2281 animasenvironmental.com

		rei. (505) 564-2281 animasenvironmentai.com				
Project:	Groundwater Monitoring and Sampling	Project No.:				
Site:	Evaporation Pond	Date: 8-23-23				
Location:	BMG Landfarm	Time: 1207 - 1500				
Tech:	CL / JBE	Form:				

	NAPL (ft)	Water (ft)	Thickness (ft)	Notes / Observations
MW-1	<u> </u>	39.13		
MW-2	_	40.18		
MW-3	_	39.48		
MW-4	_	39.99		
Interstitial Well	()	10. 11	-	Before Builing. Then Builed out 10.64
Interstitial Well	_	10.65		Before Builing. Then Builed out 10.64 After Bailing. Return C and. No Recharge.

Wells measured with KECK water level or KECK interface tape, decontaminated between each well measurement.

MONITORING WELL SAMPLING RECORD Monitor Well No: MW-1					Animas Environmental Services 624 E. Comanche St., Farmington NM 87401 Tel. (505) 564-2281 Fax (505) 324-2022			
				62				
Site:	Evaporation F	ond				Project No.: AES		
Location: BMG						Date: 8-23-23		
Project: Groundwater Monitoring and Sampling					_	Arrival Time: 13:11		
1	g Technician:					Air Temp: 5°F Clor	uly Brazzy	
	e / No Purge:		9			O.C. Elev. (ft):		
	Diameter (in):					ell Depth (ft): 45		
	al D.T.W. (ft):		Time:	13:1		_(taken at initial gaugin		
	m D.T.W. (ft): al D.T.W. (ft):		Time:					
		44.59. D.T.P.: —	Time:			kness: Time		
0.0	ani e i resenti		_			uring Well Purging		
		water Quali		/ - Calil		uring well Purging		
	Temp	Conductivity	DO		ORP	PURGED VOLUME		
Time	(deg C)	(µS) (mS)	(mg/L)	рН	(mV)	(see reverse for calc.)	Notes/Observations	
13:20	110.6	1143	4.82	7.16	105.9	Initial	Clear No oder	
13:24	14.6	1143	4.80	7.19		1.0	Tan / SI. Tunbid No Oder	
13:30	19.0	1110	7. 60	1-6-1	102.6	1.0		
2.20							Samples Collected	
							Low Recharge	
					, = = =			
	Analytical Par	ameters (includ	e analysis r	method a	and num	ber and type of sample	containers)	
				-		TO TO THE PARTY OF		
		A * * * * * * * * * * * * * * * * * * *	7			als w/ HgCl2 preserve)	- T-4	
						nL amber glass w/ no pr		
IDS						300.0 (1- 500 mL Plastic	w/ no preserve)	
		Disposal of Purg	ged Water:	On Grou	nd			
Co	llected Sampl	es Stored on Ice	in Cooler:	yes				
	Chain of 0	Custody Record	Complete:	yes				
		Analytical L	aboratory:	Hall Envi	ronment	al Analysis Laboratory,	Albuquerque, NM	
Equip	ment Used Du	ring Sampling:	Keck Water	Level or	Keck Int	erface Level, YSI Water	Quality Meter	
		and New	Disposable	Bailer				
otes/Com	ments: Calcu	lated Thrae	Volume	~ 1.0	gal.			
		0			V			
	g: 4/8/2025 1:0							

MON	ITORING W	/ELL SAMPLI	NG RECC	ORD		Animas Environme	ntal Services
Monitor Well No: MW-2					624 E. Comanche St., Farmington NM 87401		
						Tel. (505) 564-2281 Fax	(505) 324-2022
	Evaporation P	ond				Project No.: AES	
Location:						Date: 8+23-	23
		Monitoring and				Arrival Time: 14723	
Samplin	g Technician:	a	FIBE			Air Temp: 767 Clos	dy Breezy
	e / No Purge:		e			D.C. Elev. (ft):	
Well D	iameter (in):	2			Total W	ell Depth (ft): 45.	56
Initia	al D.T.W. (ft):	40.18	Time:	14:	25	(taken at initial gaugin	g of all wells)
Confirm	n D.T.W. (ft):	40.18	Time:			(taken prior to purging	
Fina	al D.T.W. (ft):	43.68	Time:	14:	45	(taken after sample col	lection)
If N	APL Present:	D.T.P.:	_ D.T.W.:	-	Thick	kness: Time	
		Water Quali	COLUMN TO STATE OF THE PARTY OF			uring Well Purging	
-				Calib			
	Temp	Conductivity	DO		ORP	PURGED VOLUME	
Time	(deg C)	(US) (mS)	(mg/L)	рН	(mV)	(see reverse for calc.)	Notes/Observation
14:31	13.5	1265	6,28	7.42	98.2	witial	Clear No odar
14:35	14.4	1212	5.70	7.46	46.5	1.0	Tan/ Turkis/No Oder
14:38	12.8	1196		1.53	57.7		S.A.A.
1.5 3 3 3 3 3 3 3 3 3	/2.0	11 10	6.46	175	27.7	2.0	
14:44							Low Yield - Stowfeel Samples allastes
							Samples allestes
		,		,			
_							
- 3	Analytical Par	ameters (includ	le analysis i	method a	nd num	ber and type of sample	containers)
	F	ull VOCs per EP	A Method 8	8021 (3 - 4	10 mL Via	als w/ HgCl2 preserve)	
	TPH (GRO	/DRO/MRO) per	r EPA Metho	od 8015 (1 - 250 n	nL amber glass w/ no pr	eserve)
TDS						300.0 (1-500mL Plastic	
103				_		300.0 (1°300IIIE I Id3tile I	W/ No preserve/
		Disposal of Pur					
Co	llected Sampl	es Stored on Ice	e in Cooler:	yes			
	Chain of	Custody Record	Complete:	yes			
		Analytical L	aboratory:	Hall Envi	ronment	tal Analysis Laboratory,	Albuquerque, NM
Equip	ment Used Du	ring Sampling:	Keck Wate	r Level or	Keck Int	erface Level, YSI Water	Quality Meter
-4-6			v Disposable			and the second s	The state of the s
lotos/C	monte: A I -				2 - 1	_0	
iotes/com	nents: ()	alated Pung	L Voun	7 2	2.) 60	ac,	

MON	IITORING W	/ELL SAMPLI	NG RECO	ORD		Animas Environme	ntal Services		
Monitor Well No: MW-3					62	24 E. Comanche St., Farn	T. T		
						Tel. (505) 564-2281 Fax (505) 324-2022			
	Evaporation P	ond				Project No.: AES			
Location:						Date: 8-23-7	3		
		Monitoring and	Sampling			Arrival Time: 14:00			
	g Technician:					Air Temp: 76 F Clo	udy Breezy		
1 4 1	e / No Purge:		е			O.C. Elev. (ft):			
	Diameter (in):					ell Depth (ft): 45.			
		39.48				_(taken at initial gaugin			
		39.48			2				
		41. 33		14:1		(taken after sample co			
If N	NAPL Present:	D.T.P.:	_ D.T.W.:	<u>-</u>	Thic	kness: Time			
		Water Quali		ers - Rec - Calik		uring Well Purging			
	Temp	Conductivity	DO		ORP	PURGED VOLUME			
Time	(deg C)	(US) (mS)	(mg/L)	рН	(mV)	(see reverse for calc.)	Notes/Observation		
14:66	16.2	1964	2.24	7.18	102.1	britial	aenol No Oder		
W:09	14.2	1928	4.22	7.26	102.9	1.0	Tom / Findid / Nobe		
14:13		11-0	1,,,,		106.1	1,0	Very Con Yield		
							Samples Collect		
					-				
	Analytical Par	ameters (includ	le analysis r	method a	ind num	ber and type of sample	containers)		
	F	ull VOCs per EP	A Method 8	8021 (3 - 4	40 mL Via	als w/ HgCl2 preserve)			
						nL amber glass w/ no pro	eserve)		
TDS						300.0 (1-500mL Plastic v			
						300.0 (1 30011121 143110 1	wy no preservey		
100		Disposal of Purg		-					
Co		es Stored on Ice							
	Chain of (Custody Record	Complete:	yes			VF		
		Analytical L	aboratory:	Hall Envi	ronment	al Analysis Laboratory, A	Albuquerque, NM		
Equip	ment Used Du	ring Sampling:	Keck Water	Level or	Keck Int	erface Level, YSI Water (Quality Meter		
		and New	Disposable	Bailer					
otes/Com	ments: (Ma.)	ated Purge V	o han 2	3.0 ach					
	CA-COM)	The same of		1. 10					
d to Imagin	g: 4/8/2025 1:0	0.45 DM							

MON	IITORING W	ELL SAMPLI	NG RECO	ORD		Animas Environme	ntal Services		
Monitor Well No: MW-4					624 E. Comanche St., Farmington NM 87401				
						Tel. (505) 564-2281 Fax (505) 324-2022			
	Evaporation P	ond			_	Project No.: AES			
Location:					-	Date: 8-23-23			
		Monitoring and			9	Arrival Time: 13:36			
	g Technician:					Air Temp: KOF C	lindy		
	e / No Purge:		e	-	T.0	O.C. Elev. (ft): 45.			
	Diameter (in):	39.99	Time:						
	n D.T.W. (ft):				38	_(taken at initial gaugin _(taken prior to purging			
	al D.T.W. (ft):					taken after sample col			
						kness: Time			
	THE ETTESCHE								
		Water Quali		ters - Reco Calib		uring Well Purging			
	Temp	Conductivity	DO		ORP	PURGED VOLUME			
Time	(deg C)	(MS) (mS)	(mg/L)	pН	(mV)	(see reverse for calc.)	Notes/Observati		
13:44	14.9	1290	4.32	7.17	98.2	nitral	Cloud/No Oder Es		
13:47	13.9	1286	5.07	7.24	95.5	1.0	Kn / Flushid / No		
13:50	13.1	1296	5.30	7.25	97.1	2.0	S.A.A.		
13:53	13.0	1293	5.14	7.24	97.0	2.75	S. A.A.		
13:5%	-						Samples Colle		
				1					
				1					
	Analytical Par	meters (includ	e analysis i	method a	nd numb	ber and type of sample	containers)		
							containers		
	F	ull VOCs per EPA	A Method 8	3021 (3 - 4	10 mL Via	als w/ HgCl2 preserve)			
	TPH (GRO/	DRO/MRO) per	EPA Metho	od 8015 (1 - 250 m	nL amber glass w/ no pre	eserve)		
TDS	per EPA Metho	od SM2540C and	d Chlorides	per EPA	Method :	300.0 (1-500mL Plastic v	v/ no preserve)		
	1	Disposal of Purg	ged Water:	on Gro	und				
Co		es Stored on Ice							
		ustody Record							
	J. M. O. C				ronmont	al Analysis Laborators (Albuqueraus NAA		
Center	mant Hard D					al Analysis Laboratory, A			
Equipi	ment Used Du				Keck Inte	erface Level, YSI Water (Quality Meter		
VIE I - N - O	A 1 1		Disposable						
Notes/Comr	nents: Cal cal	ated Ponge	Jolame ?	2.75					
	well Cap	mt on PVC	well.	on gro	md.	Possibly knowled of	Ing Carttle.		
on Annial						//	,		
on annial	time exposi					•			

BMG Landfarm Soil Sampling - Treatment Zone (TZ) Date: 8/23/23 Sampling Technician: a/JEE

Animas Environmental Services 624 E. Comanche St, Farmington NM 87401 Tel. (505)564-2281

Date: 8/23/	23	Sampling Technician:_	al	THE
		-	_	

	CELL #1		
Cell #1 TZ location 1	Cell #1 TZ location 2	Cell #1 TZ location 3	Cell #1 TZ location 4
34.3897, -106.86598	36.38919, -106.61.646		36.38968, -106.86787
9:58	10:01		10:07
0.5*	0.5"		0.5"
Dry, Sand, Oganes (9)	Dry. Sand, No Edw Nostains		Dry , Sand , No Odor , No Staring
No vear, No Staining	10:69	Os Olor, No Stains	Composite Sample ID = Cell #1 TZ CS-1
	3697, -106.86598 9:58 0.5*	Cell #1 TZ location 1 Qui 31897, -106.86598 9:58 0.5" Dry, Sand, Oganes (2) Dry, Sand, No Edw, No Strips	Cell #1 TZ location 1 Qu. 31897, -106.86598 96.38919, -106.86646 9:58 10:03 10:03 0.5" Dry, Sand, Oganx 5 (2) No Odn, No Sming Cell #1 TZ location 2 Cell #1 TZ location 3 36.78967, 106.86726 70:03 0.5" Dry, Sand, Organics (Rosts) No Odn, No Sming Cell #1 TZ location 2 Cell #1 TZ location 3 10:03 10:03 0.5" Dry, Sand, No Sming Dry, Sand, No Sming Oscillation 2 Cell #1 TZ location 3 10:03 10:03 10:03 0.5" Dry, Sand, Organics (Rosts) No Odn, No Sming

		CELL #2		
Sample ID:	Cell #2 TZ location 1	Cell #2 TZ location 2	Cell #2 TZ location 3	Cell #2 TZ location 4
GPS: (4 locations)	36.39048, -106.84695	36.38997, -106.86600	36.8838960,-06.86560	36.39003, -/a. 46673
Time of sample into bag:	10:26	16:29	10:33	10:36
Sample depth (ft):	0.5"	0.5	0.5	0.5"
Soil characteristics:	Dry Sand, Brown No Oder	Marst, Sund, Barrer, No Oder	St. Rust, Tan men No adar	Hard, Brown, Sand, No Elar
(odor, color, texture)	Dry, Sand, Brown, No Oder No Stains.	No Staining	Sand No Striving	N. Sagaray
Composite Sample Time:		15:38	- manag	Composite Sample ID = Cell #2 TZ CS-1

		CELL #3		
Sample ID:	Cell #3 TZ location 1	Cell #3 TZ location 2	Cell #3 TZ location 3	Cell #3 TZ location 4
GPS: (4 locations)	36.38921 -106.86403	34.38913, 706.86426	36.28909,-106.86447	36.38911, -106.86482
Time of sample into bag:	11:01	11:04	11:07	11:10
Sample depth (ft):	0.51	0.5	0.5	7.50
Soil characteristics:	Bran, Sl. Mast, and No Oder	Brown Don Sand No Odn	Bown, ma, Sand No ada	Tan Brown Sand, No Oder
(odor, color, texture)	No Staining.	No Staring.	No Spining	No Staining.
Composite Sample Time:		0 11:13	The state of the s	Composite Sample ID = Cell #3 TZ CS-

CELL #4								
Sample ID:	Cell #4 TZ location 1	Cell #4 TZ location 2	Cell #4 TZ location 3	Cell #4 TZ location 4				
GPS: (4 locations)	36.38905 -106.86234	36.38920,-106.86245	36.38923, 106.86312	36.38942, -106.86344				
ime of sample into bag:	11:19	11.33	11:35	11:38				
Sample depth (ft):	0.51	051	101	11.20				
oil characteristics:	Motel, Dk brown, Send, No Ody	Moist, DE Brown, Sand, Organis No Bar No Stein (Bosts)	Moist, DE Brase, Sand, Organics	Dry, Tan Bram, Sand, No Oak				
odor, color, texture)	do Staiping	No Bar No Stain (Bosts)	No Edy No Staines (Roots)	No Stainer &				
omposite Sample Time:		11:41	The state of the s	Composite Sample ID = Cell #4 TZ CS-				

dditional Notes:

Animas Environmental Services 624 E. Comanche St, Farmington NM 87401 Tel. (505)564-2281

Date: 8/23/23 Sampling Technician: at the CELL#1 Sample ID: Cell #1 VZ DS-1 GPS: (4 locations) 36.38687, -106. 8675 Sample Time: 9:51 Shovel depth (ft)*: Auger/Sample depth (ft) Soil characteristics: Brown, Clay, Noist, No ader No Frining (odor, color, texture) CELL#2 Sample ID: Cell #2 VZ DS-1 GPS: (4 locations) 36.39031, -106.86665 Sample Time: 10:21 Shovel depth (ft)*: Westhered 55, w/ day, Dry No odor, No Staining Auger/Sample depth (ft) Soil characteristics: (odor, color, texture) CELL#3 Sample ID: Cell #3 VZ DS-1 36. 389 34. -106. 864 65 GPS: (4 locations) Sample Time: 10:53 Shovel depth (ft)*: 4.0 4.25 Auger/Sample depth (ft) SI. MoTSt, Sand, Jan-Known Soil characteristics: (odor, color, texture) No Odar, No Staining CELL#4 Sample ID: Cell #4 VZ DS-1 36.38897 -106.86234 GPS: (4 locations) Sample Time: 11:28 Shovel depth (ft)*: Auger/Sample depth (ft) Soil characteristics: odor, color, texture) - Backhoe used to shovel. Released to Imaging: Additional Notes:

Site:

DEPTH	TO	GRO	UND	WAT	ER
MEA	SUF	REME	NT	ORM	1

Animas Environmental Services

Date: 11-29-23

624 E. Comanche St, Farmington NM 87401

	IVIEASUREIVIEIVI FORIVI	Tel. (505) 564-2281 animasenvironmental.co
roiect:	Groundwater Monitoring and Sampling	Project No.:

Evaporation Pond Time: 1143 - 1355 BMG Landfarm Location: Form: 0150 Tech:

Well ID	Depth to NAPL (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Notes / Observations
MW-1	~	39.32	-	
MW-2	_	40.39	1	
MW-3		39.61		
MW-4	~	40.17	_	
Interstitial Well		39.61 40.17 10.63	_	11.29 c 12:12
Interstitial Well				

Wells measured with KECK water level or KECK interface tape, decontaminated between each well measurement.

	ITORING W	ELL SAMPLI	NG RECO	RD		Animas Environme	ntal Services
Monitor Well No:					624 E. Comanche St., Farmington NM 87401		
					Tel. (505) 564-2281 Fax (505) 324-2022		
Site:	Evaporation P	ond				Project No.: AES	
Location:		0110				Date: -29 -2	3
		Monitoring and	Sampling			Arrival Time: 17(5	
	g Technician:					Air Temp: 33'FP	Cloudy
Purg	e / No Purge:				T.C	D.C. Elev. (ft):	
Well	Diameter (in):	2				ell Depth (ft): 45.	
Initia	al D.T.W. (ft):	39.32	Time:	(2:	16	(taken at initial gaugin	
		39.32			17		
	al D.T.W. (ft):		Time:		34		
If N	IAPL Present:	D.T.P.:	_ D.T.W.:		_ Thick	kness: Time	
		Water Quali				uring Well Purging	
			YSI	L - Calib	T	-17-23 JD	
	Temp	Conductivity	DO		ORP	PURGED VOLUME	
Time	(deg C)	(µS) (mS)	(mg/L)	рН	(mV)	(see reverse for calc.)	Notes/Observations
12:24	12.6	1084	4.04	7.16	137.5	mitral	Clear / No odv
12:27	12.7	1107	4.19	7.17	110.3	1.0	Tanbid Law yord
12:31							Sumples allested
		L					
	Analytical Par	ameters (includ	le analysis	method a	and num	ber and type of sample	containers)
						als w/ HgCl2 preserve)	
						nL amber glass w/ no pr	eserve)
TDS						300.0 (1- 500 mL Plastic	
103							, p. c.c. ()
		Disposal of Pur			RAMINE	1	
Co		es Stored on Ico					
	Chain of	Custody Record				0.4 (2.5) (2.4 (2.5)	I W. Co. C. Services 212.2
						tal Analysis Laboratory,	the second of th
Equip	ment Used Du				Keck Int	terface Level, YSI Water	Quality Meter
			v Disposabl				
	ments: Culcu	lated Parge	· Vanne	2 3.0	Gallon	^	
lotes/Com		D					
lotes/Com							
lotes/Com							
lotes/Com							

MONITORING WELL SAMPLING RECORD Monitor Well No: MW-2					Animas Environmental Services				
					624 E. Comanche St., Farmington NM 87401 Tel. (505) 564-2281 Fax (505) 324-2022				
Citor	Europaration (Pond				Project No.: AES	(505) 02 1 202		
	Evaporation F	ona			-	Date: N-29-1	73		
Location:		Monitoring and	Campling		-	Arrival Time:	- 5		
		Monitoring and				Air Temp: 29°F CW	u dia		
					т.	C Flev (ft):	nocy_		
Wall D	iameter (in):	Purge 2		-	Total W	O.C. Elev. (ft): 45.	56		
		a 43.3 40.39	Time:	B:29		(taken at initial gaugin			
		40.39	Time:	13:2					
Fina	I D.T.W. (ft):	412.57	Time:	13:5	3	(taken after sample col			
If N	APL Present:	D.T.P.:	D.T.W.	_	Thick	kness: Time			
		Water Quali				uring Well Purging			
				1 - Calib		PURGED VOLUME			
	Temp	Conductivity	DO	100	ORP				
Time	(deg C)	(<u>u</u> S) (mS)	(mg/L)	рН	(mV)				
13:36	11.6	1315	4.69	7-17	99.1	Initial	St. Whid		
13:39	11.4	1252	5.21	7.21	111.8	1.0	Turbid No oder		
13:43							Samples Collecte		
							Lew Yord d		
	Analytical Pa	rameters (includ	le analysis	method a	and num	ber and type of sample	containers)		
		Full VOCs per EP	A Method 8	8021 (3 -	40 mL Vi	als w/ HgCl2 preserve)			
	TPH (GRO	D/DRO/MRO) per	r EPA Meth	od 8015	(1 - 250 r	mL amber glass w/ no pr	eserve)		
TDS	per EPA Met	hod SM2540C an	d Chlorides	s per EPA	Method	300.0 (1-500mL Plastic	w/ no preserve)		
		Disposal of Pur							
Co	llected Same	oles Stored on Ice			- 4 01				
	The second second second	Custody Record							
	Chain of				ironmon	tal Analysis Laboratory,	Albuquerque NM		
Earlin	ment Head D					terface Level, YSI Water			
Equip	ment used D		v Disposabl		NCCK IIII	terrace Level, 151 water	addity Wieter		
Notes/Com	ments: Cale	ulated Purge			Mons.				
					A COLUMN TO SERVICE AND ADDRESS OF THE PARTY				

MONITORING WELL SAMPLING RECORD					Animas Environmental Services					
Monitor Well No: MW-3					62	4 E. Comanche St., Farn	nington NM 87401			
					Tel. (505) 564-2281 Fax (505) 324-2022					
Site:	Evaporation P	ond			Project No.: AES					
Location:					-	Date: 11-29-	-2,3			
		Monitoring and	Sampling			Arrival Time: 13:02				
Samplin	ng Technician:	CUS	70			Air Temp: 33°F P.C	Cloudy			
Purg	e / No Purge:	Purge	e			D.C. Elev. (ft):				
	Diameter (in):					ell Depth (ft): 45				
	the state of the s	39.67				(taken at initial gaugin				
	m D.T.W. (ft):				6					
	al D.T.W. (ft):		· Control of the cont			(taken after sample co				
If N	NAPL Present:	D.T.P.:	_ D.T.W.	:	_ Thicl	kness: Time	-			
		Water Quali				uring Well Purging				
				L - Calil	T	7.23 7				
	Temp	Conductivity	DO		ORP	PURGED VOLUME	0.00.00			
Time	(deg C)	(μS) (mS)	(mg/L)	рН	(mV)	(see reverse for calc.)				
13:10	12.2	2020	1.78	6.98	80.2	Initial	Clear (No Odar			
13:13	12.0	2029	3.25	7.05	98.7	1.0	Tambid Nooder			
13:17							Jamples Collectes			
							V. Low Yield			
				-	1					
				-						
	Analytical Par	ameters (includ	de analysis	method	and num	ber and type of sample	containers)			
	F	ull VOCs per EP	A Method	8021 (3 -	40 mL Vi	als w/ HgCl2 preserve)				
	TPH (GRO	/DRO/MRO) per	r EPA Meth	od 8015	(1 - 250 n	nL amber glass w/ no pr	eserve)			
TDS						300.0 (1-500mL Plastic				
		Disposal of Pur								
C		es Stored on Ico								
		Custody Record								
	Chamon				ironmont	tal Analysis Laboratory	Albuquerque NM			
4.7				10000		tal Analysis Laboratory,	C Last 1 to 12 of the com-			
Equip	oment Used Du				Keck Int	terface Level, YSI Water	Quality Meter			
10.77.25.67	A A -1		v Disposabl		1					
otes/Com	ments: Culon	Hed Purge	Volume	n × 3.0	Gallons					
		•								
	g: 4/8/2025 1:0	0.45.75								

MON	MONITORING WELL SAMPLING RECORD					Animas Environmental Services				
Monitor Well No: MW-4				624 E. Comanche St., Farmington NM 87401 Tel. (505) 564-2281 Fax (505) 324-2022						
1011101 1011101										
Sito	Evaporation P	lond				Project No.: AES	(500) 52 (232			
Location:		Oliu				Date: 11-29-2	3			
		Monitoring and	Sampling		-	Arrival Time: 12:40				
		CUT				Air Temp: 349 P.C				
		Purge			T.C	O.C. Elev. (ft):	-			
Well	Diameter (in):	2		-	Total We	ell Depth (ft): 45.	64			
Initi	al D.T.W. (ft):	110 17	Time:			(taken at initial gauging				
Confir	m D.T.W. (ft):	40.17	Time:	12:4	7	(taken prior to purging	well)			
Fin	al D.T.W. (ft):	41.19	Time:	/3:	0/	(taken after sample col	lection)			
						kness: Time				
20.0	20.25 (2050)					uring Well Purging				
		water Quan				-17-23				
	Temp	Conductivity	DO		ORP	PURGED VOLUME				
-			10.75	- U			Notes/Observations			
Time	(deg C)	(µS) (mS)	(mg/L)	pH	(mV)	(see reverse for calc.)	· · · · ·			
12:53	12.7	1224	4.11	7.09	78.9	Initial	Clas No oder Yield			
12:56	12.6	1243	3.77.	7.08	90.7	1.0	SI. Turbid / Low reld			
12:59							Samples Collected			
							V. Low Yield			
	Analytical Par	rameters (includ	le analysis	method a	and num	ber and type of sample	containers)			
	1	Full VOCs per FP	A Method 8	8021 (3 -	40 mL Vi	als w/ HgCl2 preserve)				
						nL amber glass w/ no pr	eserve)			
TDS						300.0 (1-500mL Plastic				
,,,,	per Errittett	Disposal of Pur		-						
	-Us shoul Course			- 50	Overve	1				
C		les Stored on Ice								
	Chain of	Custody Record								
		The Programme of the Con-				tal Analysis Laboratory,				
Equip	oment Used D				r Keck Int	erface Level, YSI Water	Quality Meter			
			v Disposabl							
Notes/Com	ments: Calcu	lated Purge V	dune &	2.5 bar	lous					

MONITORING WELL SAMPLING RECORD Monitor Well No: Interstitial Well					Animas Environmental Services				
					624 E. Comanche St., Farmington NM 87401 Tel. (505) 564-2281 Fax (505) 324-2022				
Site:	Evaporation F	Pond				Project No.: AES	(000) 01 : 1011		
Location:		- Cita				Date: 1/-29-2	2		
		Monitoring and	Sampling			Arrival Time: /1:50			
	ng Technician:					Air Temp: 33°F PC			
		Purge			T	D.C. Elev. (ft):	way		
	Diameter (in):				Total W	ell Depth (ft): 12.	12		
	al D.T.W. (ft):		Time:			(taken at initial gaugin			
		11.29		12:	12	_(taken prior to purging	well after puring		
				13:5	0	(taken after sample col	lection)		
						kness: Time			
				_	_	uring Well Purging			
						Jot used			
	Temp	Conductivity	DO		ORP	PURGED VOLUME			
Time	(deg C)	(μS) (mS)	(mg/L)	рН	(mV)	(see reverse for calc.)	Notes/Observation		
							No Water Qual		
							Readings		
					_				
					-				
	Analytical Par	ameters (includ	e analysis m	nethod ar	nd numl	ber and type of sample	containers)		
	F	ull VOCs per EP/	A Method 80	021 (3 - 4	0 mL Via	als w/ HgCl2 preserve)	ce		
						nL amber glass w/ no pre			
TDS						300.0 (1-500mL Plastic v			
		Disposal of Purg					7 10 1000		
	llosted Causel	os Chanad !	in Caalan	AL. C	1 me	crap. 10nd			
Co		es Stored on Ice			ples				
	Chain of	Custody Record	THE PARTY OF THE			NATIONAL STREET	SERVICE STATE		
			The state of the s			al Analysis Laboratory, A			
Equip	ment Used Du	uring Sampling:	Keck Water	Level or I	Keck Inte	erface Level, YSI Water (Quality Meter		
		and New	Disposable	Bailer					
lotes/Com	ments: Alewo	of to bail of	To water a	and s	u if	Recharge occur	J.		
			V						

BMG Landfarm Soil Sampling - Vadose Zone (VZ)

Animas Environmental Services 624 E. Comanche St, Farmington NM 87401 Tel. (505)564-2281

Date: 1-29-23 Sampling Technician: CL/50

CELL #1						
Sample ID:	Cell #1 VZ DS-1					
GPS: (4 locations)	36.38938,-106.86697					
Sample Time:	10:44					
Shovel depth (ft)*:	4.0					
Auger/Sample depth (ft):	4.26					
Soil characteristics: (odor, color, texture)	Brown, Clay, Hard, No Oder No Strining, Mist, Fine Grained					

CELL #2						
Sample ID:	Cell #2 VZ DS-1					
GPS: (4 locations)	36.38989, -104.86575					
Sample Time:	U:00					
Shovel depth (ft)*:	4.25					
Auger/Sample depth (ft):	4.5					
Soil characteristics: (odor, color, texture)	Tan, Sand of clay, No 8dor, No Staining, Moist, MG					

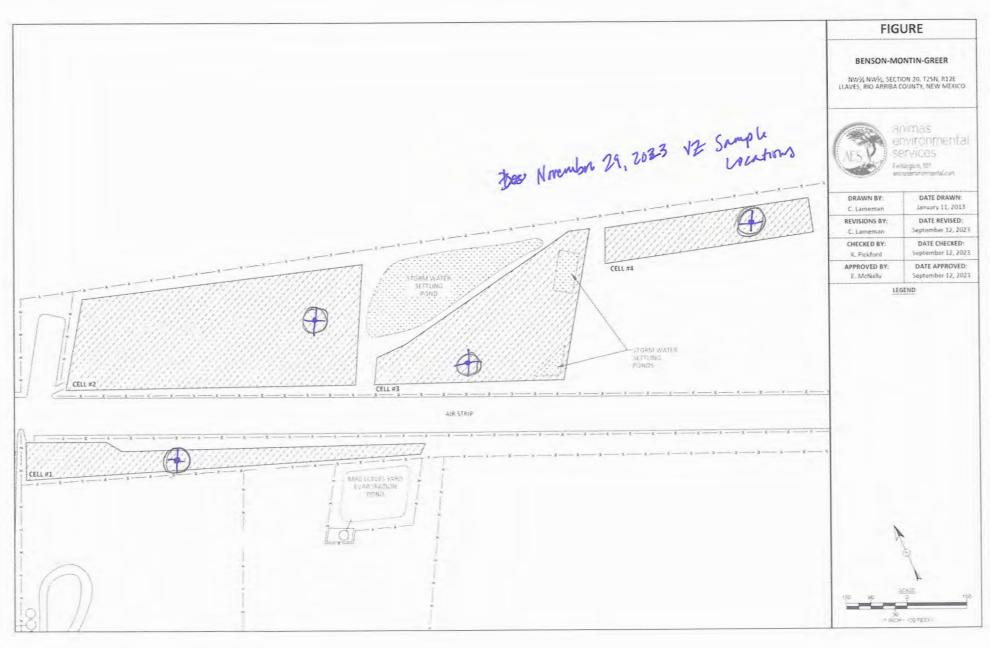
CELL #3						
Sample ID:	Cell #3 VZ DS-1					
GPS: (4 locations)	36.38907,-106.86490					
Sample Time:	11:16					
Shovel depth (ft)*:	4.25					
Auger/Sample depth (ft):	4.5					
Soil characteristics: (odor, color, texture)	Tan-Boun, Sundal Clay, No Oder, No Staining, Mait, FG					

	CELL #4	
Sample ID:	Cell #4 VZ DS-1	
GPS: (4 locations)	36.38904, -106.86257	
Sample Time:	11:31	
Shovel depth (ft)*:	4.0	
Auger/Sample depth (ft):	4.25	
Soil characteristics: (odor, color, texture)	Brown, Sand, FG, No Odar, No Strining, 51. Moist.	

^{* -} Backhoe used to shovel.

Add	itiona	Notes

Received by OCD: 3/6/2024 10:51:20 AM





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

March 28, 2023

Angela Ledgerwood
Animas Environmental Services
624 E. Comanche
Farmington, NM 87401

TEL: (505) 564-2281 FAX (505) 324-2022

RE: BMG Landfarm MWs Interstitial Well OrderNo.: 2303A31

Dear Angela Ledgerwood:

Hall Environmental Analysis Laboratory received 4 sample(s) on 3/21/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 3/28/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: MW-1

Project: BMG Landfarm MWs Interstitial Well Collection Date: 3/17/2023 11:47:00 AM 2303A31-001 Lab ID: Matrix: GROUNDWA Received Date: 3/21/2023 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: NAI
Chloride	48	5.0		mg/L	10	3/21/2023 10:30:36 AM	R95458
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	RBC
Total Dissolved Solids	800	250	*D	mg/L	1	3/24/2023 3:04:00 PM	73882
EPA METHOD 8015M/D: DIESEL RANGE						Analyst	PRD
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/25/2023 1:32:13 AM	73924
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/25/2023 1:32:13 AM	73924
Surr: DNOP	96.5	54.5-177		%Rec	1	3/25/2023 1:32:13 AM	73924
EPA METHOD 8015D: GASOLINE RANGE						Analyst	CCM
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/22/2023 2:42:00 PM	GW9549
Surr: BFB	99.4	70-130		%Rec	1	3/22/2023 2:42:00 PM	GW9549
EPA METHOD 8021B: VOLATILES						Analyst	CCM
Methyl tert-butyl ether (MTBE)	ND	2.5		μg/L	1	3/22/2023 2:42:00 PM	BW9549
Benzene	ND	1.0		μg/L	1	3/22/2023 2:42:00 PM	BW9549
Toluene	ND	1.0		μg/L	1	3/22/2023 2:42:00 PM	BW9549
Ethylbenzene	ND	1.0		μg/L	1	3/22/2023 2:42:00 PM	BW9549
Xylenes, Total	ND	2.0		μg/L	1	3/22/2023 2:42:00 PM	BW9549
1,2,4-Trimethylbenzene	ND	1.0		μg/L	1	3/22/2023 2:42:00 PM	BW9549
1,3,5-Trimethylbenzene	ND	1.0		μg/L	1	3/22/2023 2:42:00 PM	BW9549
Surr: 4-Bromofluorobenzene	95.5	70-130		%Rec	1	3/22/2023 2:42:00 PM	BW9549

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

Page 1 of 10

Date Reported: 3/28/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services **Client Sample ID: MW-2**

Project: BMG Landfarm MWs Interstitial Well Collection Date: 3/17/2023 2:15:00 PM Lab ID: 2303A31-002 Matrix: GROUNDWA Received Date: 3/21/2023 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	NAI
Chloride	140	5.0		mg/L	10	3/21/2023 11:22:03 AM	R95458
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	RBC
Total Dissolved Solids	722	100	*D	mg/L	1	3/24/2023 3:04:00 PM	73882
EPA METHOD 8015M/D: DIESEL RANGE						Analyst	PRD
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/25/2023 1:42:40 AM	73924
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/25/2023 1:42:40 AM	73924
Surr: DNOP	97.2	54.5-177		%Rec	1	3/25/2023 1:42:40 AM	73924
EPA METHOD 8015D: GASOLINE RANGE						Analyst	CCM
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/22/2023 3:04:00 PM	GW9549
Surr: BFB	101	70-130		%Rec	1	3/22/2023 3:04:00 PM	GW9549
EPA METHOD 8021B: VOLATILES						Analyst	CCM
Methyl tert-butyl ether (MTBE)	ND	2.5		μg/L	1	3/22/2023 3:04:00 PM	BW9549
Benzene	ND	1.0		μg/L	1	3/22/2023 3:04:00 PM	BW9549
Toluene	ND	1.0		μg/L	1	3/22/2023 3:04:00 PM	BW9549
Ethylbenzene	ND	1.0		μg/L	1	3/22/2023 3:04:00 PM	BW9549
Xylenes, Total	ND	2.0		μg/L	1	3/22/2023 3:04:00 PM	BW9549
1,2,4-Trimethylbenzene	ND	1.0		μg/L	1	3/22/2023 3:04:00 PM	BW9549
1,3,5-Trimethylbenzene	ND	1.0		μg/L	1	3/22/2023 3:04:00 PM	BW9549
Surr: 4-Bromofluorobenzene	95.4	70-130		%Rec	1	3/22/2023 3:04:00 PM	BW9549

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

Page 2 of 10

Date Reported: 3/28/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: MW-3

Project:BMG Landfarm MWs Interstitial WellCollection Date: 3/17/2023 1:26:00 PMLab ID:2303A31-003Matrix: GROUNDWAReceived Date: 3/21/2023 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF D	ate Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	NAI
Chloride	280	50	*	mg/L	100 3	3/21/2023 12:26:20 PM	R95458
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	RBC
Total Dissolved Solids	1040	100	*D	mg/L	1 3	3/24/2023 3:04:00 PM	73882
EPA METHOD 8015M/D: DIESEL RANGE						Analyst:	PRD
Diesel Range Organics (DRO)	ND	1.0		mg/L	1 3	3/25/2023 1:53:05 AM	73924
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1 3	3/25/2023 1:53:05 AM	73924
Surr: DNOP	92.6	54.5-177		%Rec	1 3	3/25/2023 1:53:05 AM	73924
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	CCM
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1 3	3/22/2023 3:25:00 PM	GW9549
Surr: BFB	105	70-130		%Rec	1 3	3/22/2023 3:25:00 PM	GW9549
EPA METHOD 8021B: VOLATILES						Analyst:	CCM
Methyl tert-butyl ether (MTBE)	ND	2.5		μg/L	1 3	3/22/2023 3:25:00 PM	BW9549
Benzene	ND	1.0		μg/L	1 3	3/22/2023 3:25:00 PM	BW9549
Toluene	ND	1.0		μg/L	1 3	3/22/2023 3:25:00 PM	BW9549
Ethylbenzene	ND	1.0		μg/L	1 3	3/22/2023 3:25:00 PM	BW9549
Xylenes, Total	ND	2.0		μg/L	1 3	3/22/2023 3:25:00 PM	BW9549
1,2,4-Trimethylbenzene	ND	1.0		μg/L	1 3	3/22/2023 3:25:00 PM	BW9549
1,3,5-Trimethylbenzene	ND	1.0		μg/L	1 3	3/22/2023 3:25:00 PM	BW9549
Surr: 4-Bromofluorobenzene	97.4	70-130		%Rec	1 3	3/22/2023 3:25:00 PM	BW9549

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

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Date Reported: 3/28/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services **Client Sample ID: MW-4**

Project: BMG Landfarm MWs Interstitial Well Collection Date: 3/17/2023 12:30:00 PM Lab ID: 2303A31-004 Matrix: GROUNDWA Received Date: 3/21/2023 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	NAI
Chloride	84	5.0		mg/L	10	3/21/2023 12:39:12 PM	R95458
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	RBC
Total Dissolved Solids	720	100	*D	mg/L	1	3/24/2023 3:04:00 PM	73882
EPA METHOD 8015M/D: DIESEL RANGE						Analyst:	PRD
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/25/2023 2:03:29 AM	73924
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/25/2023 2:03:29 AM	73924
Surr: DNOP	96.2	54.5-177		%Rec	1	3/25/2023 2:03:29 AM	73924
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	ССМ
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/22/2023 3:47:00 PM	GW9549
Surr: BFB	98.0	70-130		%Rec	1	3/22/2023 3:47:00 PM	GW9549
EPA METHOD 8021B: VOLATILES						Analyst:	ССМ
Methyl tert-butyl ether (MTBE)	ND	2.5		μg/L	1	3/22/2023 3:47:00 PM	BW9549
Benzene	ND	1.0		μg/L	1	3/22/2023 3:47:00 PM	BW9549
Toluene	ND	1.0		μg/L	1	3/22/2023 3:47:00 PM	BW9549
Ethylbenzene	ND	1.0		μg/L	1	3/22/2023 3:47:00 PM	BW9549
Xylenes, Total	ND	2.0		μg/L	1	3/22/2023 3:47:00 PM	BW9549
1,2,4-Trimethylbenzene	ND	1.0		μg/L	1	3/22/2023 3:47:00 PM	BW9549
1,3,5-Trimethylbenzene	ND	1.0		μg/L	1	3/22/2023 3:47:00 PM	BW9549
Surr: 4-Bromofluorobenzene	96.4	70-130		%Rec	1	3/22/2023 3:47:00 PM	BW9549

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2303A31**

28-Mar-23

Client: Animas Environmental Services

Project: BMG Landfarm MWs Interstitial Well

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

Client ID: PBW Batch ID: R95458 RunNo: 95458

Prep Date: Analysis Date: 3/21/2023 SeqNo: 3453172 Units: mg/L

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

Chloride ND 0.50

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

Client ID: LCSW Batch ID: R95458 RunNo: 95458

Prep Date: Analysis Date: 3/21/2023 SeqNo: 3453173 Units: mg/L

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

Chloride 4.7 0.50 5.000 0 93.9 90 110

Sample ID: 2303A31-001CMS SampType: ms TestCode: EPA Method 300.0: Anions

Client ID: MW-1 Batch ID: R95458 RunNo: 95458

Prep Date: Analysis Date: 3/21/2023 SeqNo: 3453175 Units: mq/L

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

Chloride 96 5.0 50.00 47.66 97.6 80.7 112

Sample ID: 2303A31-001CMSD SampType: msd TestCode: EPA Method 300.0: Anions

Client ID: MW-1 Batch ID: R95458 RunNo: 95458

Prep Date: Analysis Date: 3/21/2023 SeqNo: 3453176 Units: mg/L

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

Chloride 95 5.0 50.00 47.66 95.3 80.9 111 1.18 20

Qualifiers:

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

Page 5 of 10

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303A31**

28-Mar-23

Client: Animas Environmental Services

Project: BMG Landfarm MWs Interstitial Well

Sample ID: MB-73924 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Client ID: PBW Batch ID: 73924 RunNo: 95507 Prep Date: 3/24/2023 Analysis Date: 3/25/2023 SeqNo: 3457782 Units: mg/L PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte Result Diesel Range Organics (DRO) ND 1.0 Motor Oil Range Organics (MRO) ND 5.0 Surr: DNOP 0.48 0.5000 96.6 54.5 177

Sample ID: LCS-73924 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Client ID: LCSW Batch ID: 73924 RunNo: 95507 Prep Date: 3/24/2023 Analysis Date: 3/25/2023 SeqNo: 3457783 Units: mg/L Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Diesel Range Organics (DRO) 2.6 1.0 2.500 0 106 68.4 146
Surr: DNOP 0.26 0.2500 104 54.5 177

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2303A31 28-Mar-23**

Client: Animas Environmental Services

Project: BMG Landfarm MWs Interstitial Well

Sample ID: 2.5UG GRO LCS SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSW Batch ID: GW95490 RunNo: 95490

Prep Date: Analysis Date: 3/22/2023 SeqNo: 3454026 Units: mg/L

Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Result Gasoline Range Organics (GRO) 0 0.51 0.050 0.5000 102 70 130 Surr: BFB 47 20.00 233 70 130 S

Sample ID: mb SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBW Batch ID: GW95490 RunNo: 95490

Prep Date: Analysis Date: 3/22/2023 SeqNo: 3454027 Units: mg/L

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

Gasoline Range Organics (GRO) ND 0.050

Surr: BFB 21 20.00 105 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2303A31 28-Mar-23**

Client: Animas Environmental Services

Project: BMG Landfarm MWs Interstitial Well

Sample ID: 100ng btex Ics	SampT	ype: LC	s	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSW	Batch	n ID: BW	/95490	F	RunNo: 9	5490				
Prep Date:	Analysis D	Date: 3/2	22/2023	9	SeqNo: 3	454421	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	21	2.5	20.00	0	104	70	130			
Benzene	19	1.0	20.00	0	97.1	70	130			
Toluene	20	1.0	20.00	0	98.2	70	130			
Ethylbenzene	20	1.0	20.00	0	98.3	70	130			
Xylenes, Total	59	2.0	60.00	0	98.4	70	130			
1,2,4-Trimethylbenzene	20	1.0	20.00	0	101	70	130			
1,3,5-Trimethylbenzene	19	1.0	20.00	0	97.2	70	130			
Surr: 4-Bromofluorobenzene	21		20.00		106	70	130			

Sample ID: mb	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBW	Batcl	n ID: BV	V95490	F	RunNo: 9	5490				
Prep Date:	Analysis D	Date: 3/	22/2023	9	SeqNo: 3	454422	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	2.5								
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
Surr: 4-Bromofluorobenzene	21		20.00		103	70	130			

Sample ID: 2303A31-001ams	SampT	ype: MS	3	Tes	tCode: El	PA Method	8021B: Volati	iles		
Client ID: MW-1	Batch	ID: BV	/ 95490	F	RunNo: 9	5490				
Prep Date:	Analysis D	ate: 3/	22/2023	S	SeqNo: 34	454430	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	20	2.5	20.00	0	99.8	70	130			
Benzene	19	1.0	20.00	0	97.2	70	130			
Toluene	20	1.0	20.00	0	98.1	70	130			
Ethylbenzene	20	1.0	20.00	0	98.3	70	130			
Xylenes, Total	59	2.0	60.00	0	98.0	70	130			
1,2,4-Trimethylbenzene	20	1.0	20.00	0	98.1	70	130			
1,3,5-Trimethylbenzene	19	1.0	20.00	0	94.8	70	130			
Surr: 4-Bromofluorobenzene	19		20.00		97.1	70	130			

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2303A31 28-Mar-23**

Client: Animas Environmental Services

Project: BMG Landfarm MWs Interstitial Well

Sample ID: 2303A31-001am		уре: МS					8021B: Volat	iles		
Client ID: MW-1	Batch	n ID: BV	V95490	F	RunNo: 9	5490				
Prep Date:	Analysis D	ate: 3/	22/2023	5	SeqNo: 34	454431	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	19	2.5	20.00	0	96.3	70	130	3.59	20	
Benzene	19	1.0	20.00	0	93.6	70	130	3.81	20	
Toluene	19	1.0	20.00	0	94.7	70	130	3.52	20	
Ethylbenzene	19	1.0	20.00	0	95.2	70	130	3.23	20	
Xylenes, Total	57	2.0	60.00	0	95.4	70	130	2.65	20	
1,2,4-Trimethylbenzene	20	1.0	20.00	0	98.4	70	130	0.282	20	
1,3,5-Trimethylbenzene	19	1.0	20.00	0	95.5	70	130	0.677	20	
Surr: 4-Bromofluorobenzene	19		20.00		94.6	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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2303A31**

28-Mar-23

Client: Animas Environmental Services

Project: BMG Landfarm MWs Interstitial Well

Sample ID: MB-73882 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 73882 RunNo: 95547

Prep Date: 3/23/2023 Analysis Date: 3/24/2023 SeqNo: 3456230 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-73882 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 73882 RunNo: 95547

Prep Date: 3/23/2023 Analysis Date: 3/24/2023 SeqNo: 3456231 Units: mg/L

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

Total Dissolved Solids 989 50.0 1000 0 98.9 80 120

Qualifiers:

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

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Hall Environmental Analysis Laboratory 4901 Hawkins NE

Albuquerque, NM 87109

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

Sample Log-In Check List

Released to Imaging: 4/8/2025 1:00:45 PM

Client Name:	Animas Environmental Services	Work Order Nun	nber: 2303A31		RcptNo:	1
Received By:	Tracy Casarrubias	3/21/2023 6:20:00	AM			
Completed By:	Tracy Casarrubias	3/21/2023 6:47:32	: AM			
Reviewed By:	Jn3/21/23					
Chain of Cus	<u>tody</u>					
1. Is Chain of Co	ustody complete?		Yes 🗹	No 🗌	Not Present \square	
2. How was the	sample delivered?		Courier			
Log In						
3. Was an attern	npt made to cool the sample	s?	Yes 🗹	No 🗌	na 🗆	
4. Were all samp	oles received at a temperatu	re of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗌	
5. Sample(s) in	proper container(s)?		Yes 🗹	No 🗌		
6. Sufficient sam	ple volume for indicated tes	t(s)?	Yes 🗹	No 🗌		
7. Are samples (except VOA and ONG) prop	erly preserved?	Yes 🗹	No 🗌		
8. Was preserva	tive added to bottles?		Yes 🗌	No 🗹	NA 🗆	
9. Received at le	east 1 vial with headspace <	1/4" for AQ VOA?	Yes 🗹	No 🗌	na 🗆	
10. Were any san	mple containers received bro	ken?	Yes	No 🗹	# of preserved	/
	ork match bottle labels? ancies on chain of custody)		Yes 🗹	No 🗆	bottles checked for pH:	·12 unless noted
	correctly identified on Chain	of Custody?	Yes 🗹	No 🗌	Adjusted?	
	t analyses were requested?	•	Yes 🔽	No 🗌		
	ng times able to be met?		Yes 🗹	No 🗆	Checked by:	
	ustomer for authorization.)			2.	110 3	3-21-23
	ing (if applicable) otified of all discrepancies wi	th this arder?	Yes 🗌	No 🗌	NA 🗹	
	Nontransitation and an artist of the contrast			140	IVA 💌	
Person By Who	Notified:	Date	7	Phono 🗆 Farr	☐ In Person	
Regardi		Via:	eMail P	Phone Fax	in Person	
_	nstructions:					
16. Additional re						
17. Cooler Infor						
Cooler No	The second secon	Seal Intact Seal No	Seal Date	Signed By		
1		res Yogi		-3		

Page 62 of 135	ANALYSIS LABORATORY	
Turn-Around Time:	⊠ Standard □ Rush	Project Name:
# Turn-	Animas Environmental Services	Project

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

BMG Landfarm - MWs & interstitial well

Project #:

Farmington, NM 87499-0008

P.O. Box 8

Mailing Address:

Client:

Fax 505-345-4107 Tel. 505-345-3975

Phone #:	#:	720-537-6650	-6650	A	AES 040605	10				Analys	Analysis Request	st		
Email o	Email or Fax#:	aledgerwo	aledgerwood@animasenvironmental.com	Project Manager:			- CI		0					
aA/ac	QA/QC Package:			Ange	Angela Ledgerwood	poon	WSLO		00197					
X Standard	ndard		☐ Level 4 (Full Validation)	Eliza	Elizabeth McNally	ally			ZWS		_		_	
Accreditation:	itation:	□ Az Cc	☐ Az Compliance	Sampler:					siv s					
□ NELAC	AC	□ Other		On Ice: 🐧 Y	Yes	□ No U.Oai		_	bilo					_
☐ EDD (Type)	(Type)			# of Coolers:		0 1			S bə					
				Cooler Temp(including CF	CF): 2.0 +0.1	21.2 =16	via	səp	viosa					
				Container Type Pre	Preservativ	H NO			iO le					
Date	Time		Matrix Sample Name		e Type	2303.43.1	-	-	tot					
3/11/23	11:47	ØW	MW-1		5-HgCl2 cool		×	× ×	×					
				(1) 500 mL plastic)	101		_						7
	14:15	œw.	MW-2	(5) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic (1) 500 mL plastic	5-HgCl2 cool 2-Non	700	×	× ×	×					
	27. 6	<u> </u>	WW3	(5) 40 mL glass 5 (1) 250 mL amber	5-HgCl2		×	×	×					
	->			glass (1) 500 mL plastic		003			ť					
	12:30	βM	MW-4		5-HgCl2 cool 2-Non	5	×	× ×	×					
>				(1) 500 mL plastic		3	†	+	\dagger			1		
		>	Trip Blank	(2) 40 mL glass	Cold	OUST mc 3/2/23	×							
Date:	Time:	Relipquished by	Cuch pau	Received by: Via: /		Date Time	Remarks	ırks:						
2/20/2	1542	The state of the s	dith.	1011110	D	2/26/22 1542		010	ر م	Dissert thill this project to BMG	aiona si	0++0	SMG.	
Date:	Zime: 2	Relinquished by:	ned by:	Received by: Via:Co	Courte	Date / Time		2	5			3		
3/20/23	7		John Flash	A		3/21/23	10,0	0	Town Blank net	net szad	- Pu			
}	T =	sary samples	necessary samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.	subcontracted to other accredit	ted laboratories	s. This serves as notice of thi	aissod s	lity. Any	sub-contr	acted data will be	e clearly notat	ted 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

July 06, 2023

Angela Ledgerwood Animas Environmental Services 624 E. Comanche Farmington, NM 87401 TEL: FAX:

RE: BMG Landfarm MWs Interstitial Well OrderNo.: 2306C89

Dear Angela Ledgerwood:

Hall Environmental Analysis Laboratory received 5 sample(s) on 6/24/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indest

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 7/6/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: MW-1

Project:BMG Landfarm MWs Interstitial WellCollection Date: 6/21/2023 5:02:00 PMLab ID:2306C89-001Matrix: GROUNDWAReceived Date: 6/24/2023 7:45:00 AM

Analyses	Result	RL (Qual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE					Analyst: DGH
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	6/26/2023 10:09:33 PM
Motor Oil Range Organics (MRO)	ND	5.0	mg/L	1	6/26/2023 10:09:33 PM
Surr: DNOP	119	54.5-177	%Re	c 1	6/26/2023 10:09:33 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	6/26/2023 5:54:31 PM
Surr: BFB	106	15-270	%Re	c 1	6/26/2023 5:54:31 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	6/27/2023 12:19:20 AM
Surr: BFB	99.5	15-270	%Re	c 1	6/27/2023 12:19:20 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	1.0	μg/L	1	6/26/2023 5:54:31 PM
Toluene	ND	1.0	μg/L	1	6/26/2023 5:54:31 PM
Ethylbenzene	ND	1.0	μg/L	1	6/26/2023 5:54:31 PM
Xylenes, Total	ND	2.0	μg/L	1	6/26/2023 5:54:31 PM
Surr: 4-Bromofluorobenzene	95.0	52.4-148	%Re	c 1	6/26/2023 5:54:31 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	60	5.0	mg/L	10	6/26/2023 12:27:44 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: JAG
Total Dissolved Solids	666	100	*D mg/L	1	6/29/2023 3:10:00 PM

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

Qualifiers:

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

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Date Reported: 7/6/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: MW-2

Project: BMG Landfarm MWs Interstitial Well Collection Date: 6/21/2023 6:16:00 PM 2306C89-002 Lab ID: Matrix: GROUNDWA Received Date: 6/24/2023 7:45:00 AM

Analyses	Result	RL C	Qual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE					Analyst: DGH
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	6/26/2023 10:20:32 PM
Motor Oil Range Organics (MRO)	ND	5.0	mg/L	1	6/26/2023 10:20:32 PM
Surr: DNOP	131	54.5-177	%Red	1	6/26/2023 10:20:32 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	6/26/2023 6:18:46 PM
Surr: BFB	107	15-270	%Red	1	6/26/2023 6:18:46 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	6/27/2023 12:43:09 AM
Surr: BFB	102	15-270	%Red	1	6/27/2023 12:43:09 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	1.0	μg/L	1	6/26/2023 6:18:46 PM
Toluene	ND	1.0	μg/L	1	6/26/2023 6:18:46 PM
Ethylbenzene	ND	1.0	μg/L	1	6/26/2023 6:18:46 PM
Xylenes, Total	ND	2.0	μg/L	1	6/26/2023 6:18:46 PM
Surr: 4-Bromofluorobenzene	95.7	52.4-148	%Red	1	6/26/2023 6:18:46 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	130	5.0	mg/L	10	6/26/2023 12:53:27 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: JAG
Total Dissolved Solids	700	250	*D mg/L	1	6/29/2023 3:10:00 PM

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

Qualifiers:

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

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Date Reported: 7/6/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: MW-3

Project:BMG Landfarm MWs Interstitial WellCollection Date: 6/21/2023 6:50:00 PMLab ID:2306C89-003Matrix: GROUNDWAReceived Date: 6/24/2023 7:45:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: DGH
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/26/2023 10:31:34 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/26/2023 10:31:34 PM
Surr: DNOP	128	54.5-177		%Rec	1	6/26/2023 10:31:34 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/26/2023 6:43:02 PM
Surr: BFB	107	15-270		%Rec	1	6/26/2023 6:43:02 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/27/2023 1:06:58 AM
Surr: BFB	98.9	15-270		%Rec	1	6/27/2023 1:06:58 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	1.0		μg/L	1	6/26/2023 6:43:02 PM
Toluene	ND	1.0		μg/L	1	6/26/2023 6:43:02 PM
Ethylbenzene	ND	1.0		μg/L	1	6/26/2023 6:43:02 PM
Xylenes, Total	ND	2.0		μg/L	1	6/26/2023 6:43:02 PM
Surr: 4-Bromofluorobenzene	95.9	52.4-148		%Rec	1	6/26/2023 6:43:02 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	310	50	*	mg/L	100	6/26/2023 1:32:02 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: JAG
Total Dissolved Solids	1120	100	*D	mg/L	1	6/29/2023 3:10:00 PM

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

Qualifiers:

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

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Date Reported: 7/6/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: MW-4

Project: BMG Landfarm MWs Interstitial Well Collection Date: 6/21/2023 5:39:00 PM 2306C89-004 Lab ID: Matrix: GROUNDWA Received Date: 6/24/2023 7:45:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE					Analyst: DGH
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	6/26/2023 10:42:36 PM
Motor Oil Range Organics (MRO)	ND	5.0	mg/L	1	6/26/2023 10:42:36 PM
Surr: DNOP	135	54.5-177	%Rec	1	6/26/2023 10:42:36 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	6/26/2023 7:07:13 PM
Surr: BFB	107	15-270	%Rec	1	6/26/2023 7:07:13 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	6/27/2023 1:30:45 AM
Surr: BFB	104	15-270	%Rec	1	6/27/2023 1:30:45 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	1.0	μg/L	1	6/26/2023 7:07:13 PM
Toluene	ND	1.0	μg/L	1	6/26/2023 7:07:13 PM
Ethylbenzene	ND	1.0	μg/L	1	6/26/2023 7:07:13 PM
Xylenes, Total	ND	2.0	μg/L	1	6/26/2023 7:07:13 PM
Surr: 4-Bromofluorobenzene	94.3	52.4-148	%Rec	1	6/26/2023 7:07:13 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	110	5.0	mg/L	10	6/26/2023 2:10:37 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: JAG
Total Dissolved Solids	638	100	*D mg/L	1	6/29/2023 3:10:00 PM

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

Qualifiers:

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

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Date Reported: 7/6/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: Trip Blank

Project: BMG Landfarm MWs Interstitial Well **Collection Date:**

Lab ID: 2306C89-005 **Matrix:** TRIP BLANK **Received Date:** 6/24/2023 7:45:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	1.0	μg/L	1	6/26/2023 7:31:22 PM
Toluene	ND	1.0	μg/L	1	6/26/2023 7:31:22 PM
Ethylbenzene	ND	1.0	μg/L	1	6/26/2023 7:31:22 PM
Xylenes, Total	ND	2.0	μg/L	1	6/26/2023 7:31:22 PM
Surr: 4-Bromofluorobenzene	92.0	52.4-148	%Rec	1	6/26/2023 7:31:22 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: 2306C89

06-Jul-23

Client: Animas Environmental Services **Project:** BMG Landfarm MWs Interstitial Well

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

PBW Client ID: Batch ID: **R97731** RunNo: 97731

Prep Date: Analysis Date: 6/26/2023 SeqNo: 3554314 Units: mg/L

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

Chloride ND 0.50

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

Client ID: LCSW Batch ID: **R97731** RunNo: 97731

Prep Date: Analysis Date: 6/26/2023 SeqNo: 3554315 Units: mg/L

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

Chloride 4.7 0.50 5.000 93.8 110

Sample ID: 2306C89-004DMS SampType: MS TestCode: EPA Method 300.0: Anions

Client ID: MW-4 Batch ID: R97731 RunNo: 97731

Prep Date: Analysis Date: 6/26/2023 SeqNo: 3554325 Units: mg/L

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

Chloride 50.00 112.8 5.0

Sample ID: 2306C89-004DMSD SampType: MSD TestCode: EPA Method 300.0: Anions

Client ID: RunNo: 97731 Batch ID: R97731

5.0

160

Prep Date: Analysis Date: 6/26/2023 SeqNo: 3554326 Units: mg/L

50.00

HighLimit Analyte Result **PQL** SPK value SPK Ref Val %REC %RPD **RPDLimit** Qual LowLimit 112.8

98.3

80.9

111

0.458

20

Qualifiers:

Chloride

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2306C89** *06-Jul-23*

Client: Animas Environmental Services

Project: BMG Landfarm MWs Interstitial Well

Troject:											
Sample ID: 2	2306C89-004CMS	SampTy	/pe: MS	3	TestCode: EPA Method 8015M/D: Diesel Range						
Client ID:	MW-4	Batch ID: 75840			F	RunNo: 97	7703				
Prep Date:	6/26/2023	Analysis Da	ate: 6/ 2	26/2023	5	SeqNo: 3	554398	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Or	ganics (DRO)	2.4	1.0	2.500	0	94.7	47.3	147			
Surr: DNOP		1.0		0.7500		134	54.5	177			
Sample ID: 2	2306C89-004CMSD	SampTy	/pe: MS	SD .	Tes	tCode: EF	PA Method	8015M/D: Dies	sel Range		
Client ID:	MW-4	Batch	ID: 758	340	F	RunNo: 97	7703				
Prep Date:	6/26/2023	Analysis Da	ate: 6/ 2	26/2023	5	554399	Units: mg/L				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Or	ganics (DRO)	2.3	1.0	2.500	0	93.3	47.3	147	1.47	20	
Surr: DNOP		0.99		0.7500		132	54.5	177	0	0	
		SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range									
Sample ID: L	LCS-75840	SampTy	/pe: LC	s	Tes	tCode: EF	PA Method	8015M/D: Dies	sel Range		
	LCS-75840 LCSW		/pe: LC ID: 75 8			tCode: EF RunNo: 9 7		8015M/D: Dies	sel Range		
			ID: 75 8	340	F		7703	8015M/D: Dies	sel Range		
Client ID:	LCSW	Batch	ID: 75 8	340	F	RunNo: 97	7703		sel Range	RPDLimit	Qual
Client ID: L	LCSW 6/26/2023	Batch Analysis Da	ID: 75 8 ate: 6/ 2	340 26/2023	F	RunNo: 97 SeqNo: 38	7703 554400	Units: mg/L	J	RPDLimit	Qual
Client ID: L Prep Date: Analyte	LCSW 6/26/2023	Batch Analysis Da Result	ID: 758 ate: 6/ 2	340 26/2023 SPK value	SPK Ref Val	RunNo: 97 SeqNo: 38 %REC	7703 554400 LowLimit	Units: mg/L HighLimit	J	RPDLimit	Qual
Client ID: L Prep Date: Analyte Diesel Range Or	6/26/2023 rganics (DRO)	Batch Analysis Da Result 2.3	ID: 758 ate: 6/ 2 PQL 1.0	340 26/2023 SPK value 2.500 0.2500	SPK Ref Val	RunNo: 91 SeqNo: 38 %REC 91.4 120	7703 554400 LowLimit 68.4 54.5	Units: mg/L HighLimit	%RPD	RPDLimit	Qual
Client ID: I Prep Date: Analyte Diesel Range Or Surr: DNOP Sample ID: I	6/26/2023 rganics (DRO)	Batch Analysis Da Result 2.3 0.30 SampTy	ID: 758 ate: 6/ 2 PQL 1.0	340 26/2023 SPK value 2.500 0.2500	SPK Ref Val 0	RunNo: 91 SeqNo: 38 %REC 91.4 120	7703 554400 LowLimit 68.4 54.5	Units: mg/L HighLimit 146 177	%RPD	RPDLimit	Qual
Client ID: I Prep Date: Analyte Diesel Range Or Surr: DNOP Sample ID: I Client ID: I	6/26/2023 rganics (DRO) MB-75840	Batch Analysis Da Result 2.3 0.30 SampTy	PQL 1.0 /pe: ME	340 26/2023 SPK value 2.500 0.2500 BLK 340	SPK Ref Val 0	RunNo: 93 SeqNo: 38 %REC 91.4 120 tCode: EF	7703 554400 LowLimit 68.4 54.5 PA Method	Units: mg/L HighLimit 146 177	%RPD	RPDLimit	Qual
Client ID: I Prep Date: Analyte Diesel Range Or Surr: DNOP Sample ID: I Client ID: I	6/26/2023 rganics (DRO) MB-75840 PBW	Batch Analysis Da Result 2.3 0.30 SampTy Batch	PQL 1.0 /pe: ME	SPK value 2.500 0.2500 8LK 340 27/2023	SPK Ref Val 0	RunNo: 97 SeqNo: 38 %REC 91.4 120 tCode: EF RunNo: 97	7703 554400 LowLimit 68.4 54.5 PA Method	Units: mg/L HighLimit 146 177 8015M/D: Dies	%RPD	RPDLimit RPDLimit	Qual
Client ID: L Prep Date: Analyte Diesel Range Or Surr: DNOP Sample ID: L Client ID: L Prep Date:	G/26/2023 Figanics (DRO) MB-75840 PBW 6/26/2023	Batch Analysis Da Result 2.3 0.30 SampTy Batch Analysis Da	PQL 1.0 1.0 1.0 1.0 1.0	SPK value 2.500 0.2500 8LK 340 27/2023	SPK Ref Val 0	RunNo: 97 SeqNo: 38 %REC 91.4 120 tCode: EF RunNo: 97 SeqNo: 38	7703 554400 LowLimit 68.4 54.5 PA Method 7733 554401	Units: mg/L HighLimit 146 177 8015M/D: Dies Units: mg/L	%RPD		
Client ID: L Prep Date: Analyte Diesel Range Or Surr: DNOP Sample ID: L Client ID: F Prep Date: Analyte Diesel Range Or	G/26/2023 Figanics (DRO) MB-75840 PBW 6/26/2023	Batch Analysis Da Result 2.3 0.30 SampTy Batch Analysis Da Result	PQL 1D: 758 ate: 6/2 1.0 Tpe: ME ID: 758 ate: 6/2	SPK value 2.500 0.2500 8LK 340 27/2023	SPK Ref Val 0	RunNo: 97 SeqNo: 38 %REC 91.4 120 tCode: EF RunNo: 97 SeqNo: 38	7703 554400 LowLimit 68.4 54.5 PA Method 7733 554401	Units: mg/L HighLimit 146 177 8015M/D: Dies Units: mg/L	%RPD		

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: 2306C89

06-Jul-23

Client:	Animas Environmental Services
Project:	BMG Landfarm MWs Interstitial Well

Sample ID: 2.5ug gro lcs	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSW	Batch	Batch ID: GA97710			RunNo: 97710						
Prep Date:	Analysis D	ate: 6/ 2	26/2023	5	SeqNo: 35	553501	Units: mg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	0.50	0.050	0.5000	0	99.8	70	130				
Surr: BFB	42		20.00		211	15	270				
Sample ID: mb	SampT	ype: ME	BLK	Tes	TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBW	Batch	ID: GA	97710	F	RunNo: 97	7710					
Prep Date:	Analysis D	ate: 6/ 2	26/2023	9	SeqNo: 35	553502	Units: mg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	ND	0.050									
Surr: BFB	21		20.00		104	15	270				
Sample ID: 2.5ug gro Ics-ii	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Range	1		
Client ID: LCSW	Batch	ID: GS	S97710	F	RunNo: 97710						
Prep Date:	Analysis D	ate: 6/ 2	26/2023	9	SeqNo: 35	554571	Units: mg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	0.48	0.050	0.5000	0	96.9	70	130				
Surr: BFB	42		20.00		209	15	270				
Sample ID: mb-ii	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Range			
Client ID: PBW	Batch	ID: GS	S97710	F	RunNo: 97	7710					
Prep Date:	Analysis D	ate: 6/ 2	26/2023	5	SeqNo: 35	554572	Units: mg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	ND	0.050									
Surr: BFB	21		20.00		103	15	270				
Sample ID: 2306c89-001ams	SampT	ype: MS	;	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: MW-1	Batch	ID: GA	97710	RunNo: 97710							
Prep Date:	Analysis D	ate: 6/ 2	26/2023	\$	SeqNo: 35	554580	Units: mg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	0.48	0.050	0.5000	0	95.9	41.2	148	_			
Surr: BFB	43		20.00		213	15	270				
Sample ID: 2306c89-001amsd	SampT	ype: MS	SD	Tes	tCode: EF	PA Method	8015D: Gaso	line Range			
Client ID: MW-1	Batch	ID: GA	97710	F	RunNo: 97	7710					
Prep Date:	Analysis D	ate: 6/ 2	26/2023	5	SeqNo: 35	554581	Units: mg/L				
Analyte	Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2306C89** *06-Jul-23*

Client: Animas Environmental Services
Project: BMG Landfarm MWs Interstitial Well

Sample ID: 2306c89-001amsd	SampType: MSD			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: MW-1	Batch ID: GA97710			RunNo: 97710						
Prep Date:	Analysis [Date: 6/2	26/2023	9	SeqNo: 3	554581	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.48	0.050	0.5000	0	96.8	41.2	148	0.914	20	
Surr: BFB	43		20.00		215	15	270	0	0	

Sample ID: 2306c89-001bms	Tes	•								
Client ID: MW-1	Batc	h ID: GS	S97710	F	RunNo: 97	7710				
Prep Date:	Analysis [Date: 6/ 2	27/2023	5	SeqNo: 3	554583	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.47	0.050	0.5000	0	94.0	41.2	148			
Surr: BFB	42		20.00		208	15	270			

Sample ID: 2306c89-001bi	nsd Samp	SampType: MSD			TestCode: EPA Method 8015D: Gasoline Range					
Client ID: MW-1	Bato	Batch ID: GSS97710 RunNo: 97710								
Prep Date:	Analysis I	Date: 6/ 2	27/2023	5	SeqNo: 3	554584	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.46	0.050	0.5000	0	92.3	41.2	148	1.80	20	
Surr: BFB	42		20.00		208	15	270	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
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2306C89**

06-Jul-23

Client: Animas Environmental Services
Project: BMG Landfarm MWs Interstitial Well

Sample ID: 100ng btex lcs	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8021B: Volatil	es		
Client ID: LCSW	Batch	n ID: R9	7710	F	RunNo: 97	7710				
Prep Date:	Analysis D	ate: 6/2	26/2023	5	SeqNo: 3	553505	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	17	1.0	20.00	0	87.1	70	130			
Toluene	18	1.0	20.00	0	89.6	70	130			
Ethylbenzene	18	1.0	20.00	0	89.5	70	130			
Xylenes, Total	54	2.0	60.00	0	90.0	70	130			
Surr: 4-Bromofluorobenzene	20		20.00		98.9	52.4	148			

Sample ID: mb	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volatil	es		
Client ID: PBW	Batch	ID: R9	7710	F	RunNo: 97	7710				
Prep Date:	Analysis D	ate: 6/ 2	26/2023	5	SeqNo: 3	553506	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0					_			
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 4-Bromofluorobenzene	19		20.00		93.6	52.4	148			

Sample ID: 2306c89-002ams	SampT	ype: MS	i	Tes	tCode: EF	PA Method	8021B: Volatil	les		
Client ID: MW-2	Batch	n ID: R9	7710	F	RunNo: 97	7710				
Prep Date:	Analysis D	ate: 6/2	26/2023	5	SeqNo: 3	554607	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	89.0	70	130			
Toluene	18	1.0	20.00	0	90.3	70	130			
Ethylbenzene	18	1.0	20.00	0	89.4	70	130			
Xylenes, Total	54	2.0	60.00	0	90.2	70	130			
Surr: 4-Bromofluorobenzene	20		20.00		99.7	52.4	148			

Sample ID: 2306c89-002amsd	SampT	ype: MS	SD.	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: MW-2	Batch	1D: R9 7	7710	F	RunNo: 97	7710				
Prep Date:	Analysis D	ate: 6/2	26/2023	5	SeqNo: 3	554608	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	17	1.0	20.00	0	84.2	70	130	5.47	20	
Toluene	17	1.0	20.00	0	85.9	70	130	4.95	20	
Ethylbenzene	17	1.0	20.00	0	87.2	70	130	2.50	20	
Xylenes, Total	52	2.0	60.00	0	87.0	70	130	3.62	20	
Surr: 4-Bromofluorobenzene	20		20.00		98.8	52.4	148	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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2306C89**

06-Jul-23

Client: Animas Environmental Services

Project: BMG Landfarm MWs Interstitial Well

Sample ID: MB-75880 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 75880 RunNo: 97827

Prep Date: 6/28/2023 Analysis Date: 6/29/2023 SeqNo: 3558237 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-75880 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 75880 RunNo: 97827

Prep Date: 6/28/2023 Analysis Date: 6/29/2023 SeqNo: 3558238 Units: mg/L

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

Total Dissolved Solids 1010 50.0 1000 0 101 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

Sample Log-In Check List

Released to Imaging: 4/8/2025 1:00:45 PM

Services	Work Order Numbe	er: 2306C89		RcptNo: 1	
Received By: Tracy Casarrubias	6/24/2023 7:45:00 AN	И			
Completed By: Tracy Casarrubias	6/25/2023 7:37:59 AN	И			
Reviewed By: DAD	6/26/23				
Chain of Custody					
1. Is Chain of Custody complete?		Yes 🗹	No 🗌	Not Present	
2. How was the sample delivered?		Courier			
Log In					
3. Was an attempt made to cool the sampl	es?	Yes 🗸	No 🗌	na 🗆	
4. Were all samples received at a temperal	ure of >0° C to 6.0°C	Yes 🗹	No 🗌	na 🗌	
5. Sample(s) in proper container(s)?		Yes 🗹	No 🗆		
6. Sufficient sample volume for indicated te	st(s)?	Yes 🗹	No 🗌		
Are samples (except VOA and ONG) pro	perly preserved?	Yes 🗹	No 🗌		
8. Was preservative added to bottles?		Yes 🗌	No 🗹	NA 🗌	
9. Received at least 1 vial with headspace <	<1/4" for AQ VOA?	Yes 🗹	No 🗌	NA □ /	
(). Were any sample containers received br	oken?	Yes	No 🗹	# of preserved	
Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🔲	bottles checked for pH:	2 unless noted)
2. Are matrices correctly identified on Chair	of Custody?	Yes 🗹	No 🗌	Adjusted?	
3. Is it clear what analyses were requested?	•	Yes 🗹	No 🗌	100	m who
4. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No 🗌	Checked by:	111 06/41
pecial Handling (if applicable)				l	
15. Was client notified of all discrepancies w	ith this order?	Yes 🗌	No 🗌	NA 🗹	
Person Notified:	Date:				
By Whom:	Via: [eMail] Phone [] Fax	In Person	
Regarding:		Zw		The second section of the second	
Client Instructions:	CONTRACTOR OF THE PROPERTY OF	****		Control of the second s	
16. Additional remarks:					
7. Cooler Information					
Cooler No Temp °C Condition 1 5.3 Good	Seal Intact Seal No S	Seal Date	Signed By		

Page 76 of 135	ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	Analysis Request
Turn-Around Time:	⊠ Standard □ Rush	Project Name:	BMG Landfarm - MWs & interstitial well	Project #:	AES 040605
Chain-of-Cusical Record	nt: Animas Environmental Services		ling Address: P.O. Box 8	Farmington, NM 87499-0008	no #: 720-537-6650

Client:	Animas Er	Animas Environmental Services	Standard	□ Rush					HALLE	INVI	NON	ENVIRONMENTAL	76
`			Calidaid.					_	INALT		ABO	ANALTSIS LABORATOR	Z
			Project Name:					<i>></i>	www.hallenvironmental.com	onmental.	com		
Mailing Address:	::	P.O. Box 8	BMG Landfa	arm - MWs &	BMG Landfarm - MWs & interstitial well	4	901 F	4901 Hawkins NE		- Albuquerque, NM 87109	NM 8710	ග ග	
Far	mington,	Farmington, NM 87499-0008	Project #:			·	Tel. 5(5-34	Tel. 505-345-3975 F	Fax 505-345-4107	15-4107		
Phone #:	720-537-6650	-6650		AES 040605)5		**		Analy	Analysis Request	st .		
Email or Fax#:	aledgerwor	aledgerwood@animasenvironmental.com	Project Manager:			a,				-			_
QA/QC Package:				Angela Ledgerwood	poom	/W910		2400				-	
X Standard		☐ Level 4 (Full Validation)	Ш	Elizabeth McNally	Vally			ZWS					
Accreditation:	□ Az Co	□ Az Compliance	Sampler:					siv a					
□ NELAC	□ Other		On Ice:	₩ Yes	□ No dog			sbilo					
EDD (Type)			# of Coolers:		•			S b€					_
			Cooler Temp(including CF): 5.7	ng CF): 5.2.4	0.1-5.3.			onjos					
Time	Matrix	Sample Name	Container Type and #	Preservativ e Type	HEAL NO.	, ХЭТВ ояэ нчт	Chlorid	eiQ lstoT					
10:01	M9	MW-1	(5) 40 mL glass (1) 250 mL amber glass (1) 250 mL plastic	5-HgCl2 cool 2-Non	1000	×	×	×					
1/8/16	MO OW	MW-2	(5) 40 mL glass (1) 250 mL amber glass (1) 250 mL plastic	5-HgCl2 cool 2-Non	200	×	×	×					
18:18	Mg	MW-3	(5) 40 mL glass (1) 250 mL amber glass (1) 250 mL plastic	5-HgCl2 cool 2-Non	003	×	×	×					
68.2152.12.3	Mg S	MW-4	(1) 250 mL glass (1) 250 mL amber glass (1) 250 mL plastic	S-HgCl2 cool 2-Non	P00	× ×	×	×					
	٨	Trip Blank	(2) 40 mL glass	Cold 12		×							
Time:	Relinquished by:	hed by:	Received by: Vi	Via: Count	Date Time + 45	Remarks:	rks:						
Time:	Refinduished by:	bed by:	Received by: Via:	a:	Date Time		Plea	se di	Please direct-bill this project to BMG.	is proje	ct to BI	NG.	
	7												

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



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

September 08, 2023

Angela Todd
Animas Environmental Services
624 E. Comanche
Farmington, NM 87401
TEL:
FAX:

RE: BMG Landfarm OrderNo.: 2308E14

Dear Angela Todd:

Hall Environmental Analysis Laboratory received 5 sample(s) on 8/25/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

anded

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 9/8/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: MW-1

 Project:
 BMG Landfarm
 Collection Date: 8/23/2023 1:30:00 PM

 Lab ID:
 2308E14-001
 Matrix: GROUNDWA
 Received Date: 8/25/2023 7:10:00 AM

Analyses	Result	RL Ç	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: DGH
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/29/2023 12:16:21 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	8/29/2023 12:16:21 AM
Surr: DNOP	104	54.5-177		%Rec	1	8/29/2023 12:16:21 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: CCM
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	8/28/2023 2:53:00 PM
Surr: BFB	106	15-270		%Rec	1	8/28/2023 2:53:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: CCM
Benzene	ND	1.0		μg/L	1	8/28/2023 2:53:00 PM
Toluene	ND	1.0		μg/L	1	8/28/2023 2:53:00 PM
Ethylbenzene	ND	1.0		μg/L	1	8/28/2023 2:53:00 PM
Xylenes, Total	ND	2.0		μg/L	1	8/28/2023 2:53:00 PM
Surr: 4-Bromofluorobenzene	95.1	52.4-148		%Rec	1	8/28/2023 2:53:00 PM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	49	5.0		mg/L	10	8/26/2023 7:40:03 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: MCA
Total Dissolved Solids	654	100	*D	mg/L	1	8/30/2023 3:05:00 PM

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

Qualifiers:

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

Page 1 of 10

Date Reported: 9/8/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: MW-2

 Project:
 BMG Landfarm
 Collection Date: 8/23/2023 2:44:00 PM

 Lab ID:
 2308E14-002
 Matrix: GROUNDWA
 Received Date: 8/25/2023 7:10:00 AM

Analyses	Result	RL (Qual Un	its I	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: DGH
Diesel Range Organics (DRO)	ND	1.0	mç	g/L	1	8/29/2023 12:27:16 AM
Motor Oil Range Organics (MRO)	ND	5.0	mg	g/L	1	8/29/2023 12:27:16 AM
Surr: DNOP	90.6	54.5-177	%l	Rec	1	8/29/2023 12:27:16 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: CCM
Gasoline Range Organics (GRO)	ND	0.050	mg	g/L	1	8/28/2023 3:15:00 PM
Surr: BFB	102	15-270	%l	Rec	1	8/28/2023 3:15:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: CCM
Benzene	ND	1.0	μg	/L	1	8/28/2023 3:15:00 PM
Toluene	ND	1.0	μg	/L	1	8/28/2023 3:15:00 PM
Ethylbenzene	ND	1.0	μg	/L	1	8/28/2023 3:15:00 PM
Xylenes, Total	ND	2.0	μg	/L	1	8/28/2023 3:15:00 PM
Surr: 4-Bromofluorobenzene	95.3	52.4-148	%l	Rec	1	8/28/2023 3:15:00 PM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	140	5.0	mį	g/L	10	8/26/2023 8:29:41 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: MCA
Total Dissolved Solids	726	100	*D mo	g/L	1	8/30/2023 3:05:00 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 2 of 10

Date Reported: 9/8/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: MW-3

 Project:
 BMG Landfarm
 Collection Date: 8/23/2023 2:13:00 PM

 Lab ID:
 2308E14-003
 Matrix: GROUNDWA
 Received Date: 8/25/2023 7:10:00 AM

Analyses	Result	RL Q	ual Uni	ts DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE					Analyst: DGH
Diesel Range Organics (DRO)	ND	1.0	mg/	/L 1	8/29/2023 12:38:12 AM
Motor Oil Range Organics (MRO)	ND	5.0	mg/	/L 1	8/29/2023 12:38:12 AM
Surr: DNOP	91.8	54.5-177	%R	ec 1	8/29/2023 12:38:12 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	0.050	mg/	/L 1	8/28/2023 3:37:00 PM
Surr: BFB	102	15-270	%R	ec 1	8/28/2023 3:37:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	1.0	μg/	L 1	8/28/2023 3:37:00 PM
Toluene	ND	1.0	μg/	L 1	8/28/2023 3:37:00 PM
Ethylbenzene	ND	1.0	μg/	L 1	8/28/2023 3:37:00 PM
Xylenes, Total	ND	2.0	μg/	L 1	8/28/2023 3:37:00 PM
Surr: 4-Bromofluorobenzene	95.6	52.4-148	%R	ec 1	8/28/2023 3:37:00 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	310	50	* mg/	/L 100	8/26/2023 9:06:54 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: MCA
Total Dissolved Solids	1210	50.0	* mg/	/L 1	8/30/2023 3:05:00 PM

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

Qualifiers:

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

ple pH Not In Range
Orting Limit Page 3 of 10

Date Reported: 9/8/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: MW-4

 Project:
 BMG Landfarm
 Collection Date: 8/23/2023 1:56:00 PM

 Lab ID:
 2308E14-004
 Matrix: GROUNDWA
 Received Date: 8/25/2023 7:10:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE					Analyst: DGH
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	8/29/2023 12:49:11 AM
Motor Oil Range Organics (MRO)	ND	5.0	mg/L	1	8/29/2023 12:49:11 AM
Surr: DNOP	99.2	54.5-177	%Rec	1	8/29/2023 12:49:11 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	8/28/2023 3:59:00 PM
Surr: BFB	101	15-270	%Rec	1	8/28/2023 3:59:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	1.0	μg/L	1	8/28/2023 3:59:00 PM
Toluene	ND	1.0	μg/L	1	8/28/2023 3:59:00 PM
Ethylbenzene	ND	1.0	μg/L	1	8/28/2023 3:59:00 PM
Xylenes, Total	ND	2.0	μg/L	1	8/28/2023 3:59:00 PM
Surr: 4-Bromofluorobenzene	95.3	52.4-148	%Rec	1	8/28/2023 3:59:00 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	150	5.0	mg/L	10	8/26/2023 9:19:19 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: MCA
Total Dissolved Solids	720	50.0	* mg/L	1	8/30/2023 3:05:00 PM

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

Qualifiers:

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

Page 4 of 10

Date Reported: 9/8/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: Trip Blank

Project: BMG Landfarm Collection Date:

Lab ID: 2308E14-005 **Matrix:** TRIP BLANK **Received Date:** 8/25/2023 7:10:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	1.0	μg/L	1	8/28/2023 5:27:00 PM
Toluene	ND	1.0	μg/L	1	8/28/2023 5:27:00 PM
Ethylbenzene	ND	1.0	μg/L	1	8/28/2023 5:27:00 PM
Xylenes, Total	ND	2.0	μg/L	1	8/28/2023 5:27:00 PM
Surr: 4-Bromofluorobenzene	95.3	52.4-148	%Rec	1	8/28/2023 5:27:00 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 5 of 10

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308E14**

08-Sep-23

Client: Animas Environmental Services

Project: BMG Landfarm

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

Client ID: PBW Batch ID: R99266 RunNo: 99266

Prep Date: Analysis Date: 8/26/2023 SeqNo: 3620951 Units: mg/L

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

Chloride ND 0.50

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

Client ID: LCSW Batch ID: R99266 RunNo: 99266

Prep Date: Analysis Date: 8/26/2023 SeqNo: 3620953 Units: mg/L

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

Chloride 4.8 0.50 5.000 0 95.7 90 110

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2308E14**

08-Sep-23

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID: LCS-77113 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range

Client ID: LCSW Batch ID: 77113 RunNo: 99274

Prep Date: 8/25/2023 Analysis Date: 8/29/2023 SeqNo: 3622815 Units: mg/L

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

 Diesel Range Organics (DRO)
 2.5
 1.0
 2.500
 0
 101
 68.4
 146

 Surr: DNOP
 0.27
 0.2500
 108
 54.5
 177

Sample ID: MB-77113 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range

Client ID: PBW Batch ID: 77113 RunNo: 99274

Prep Date: 8/25/2023 Analysis Date: 8/28/2023 SeqNo: 3622816 Units: mg/L

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

Diesel Range Organics (DRO) ND 1.0

Motor Oil Range Organics (MRO) ND 5.0

Surr: DNOP 0.51 0.5000 102 54.5 177

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: 2308E14 08-Sep-23

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID: 2308E14-001BMS	Samp ⁻	Туре: МЅ	;	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range		
Client ID: MW-1	Batc	h ID: G9	9302	F	RunNo: 99	9302				
Prep Date:	Analysis [Date: 8/ 2	28/2023	9	SeqNo: 36	625763	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.50	0.050	0.5000	0	100	41.2	148			
Surr: BFB	46		20.00		228	15	270			
Sample ID: 2308E14-001BMSI	D Samp	Туре: МЅ	SD	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range		
								_		
Client ID: MW-1	Batc	h ID: G9	9302	F	RunNo: 99	9302		_		
Client ID: MW-1 Prep Date:	Batc Analysis [9302 28/2023		RunNo: 9 9 SeqNo: 3 6		Units: mg/L	_		
							Units: mg/L HighLimit	%RPD	RPDLimit	Qual
Prep Date:	Analysis [Date: 8/ 2	28/2023	5	SeqNo: 36	625764	J	%RPD 0.520	RPDLimit 20	Qual
Prep Date: Analyte	Analysis [Result	Date: 8/ 2	28/2023 SPK value	SPK Ref Val	SeqNo: 36 %REC	625764 LowLimit	HighLimit			Qual

Sample ID: 2.5ug gro lcs	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range	•	
Client ID: LCSW	Batch	n ID: G9	9302	F	RunNo: 99	9302				
Prep Date:	Analysis D	Date: 8/2	28/2023	9	SeqNo: 36	626182	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.48	0.050	0.5000	0	96.4	70	130			
Surr: BFB	43		20.00		214	15	270			

Sample ID: mb	Samp1	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8015D: Gasoli	ne Range		
Client ID: PBW	Batch	n ID: G9	9302	F	RunNo: 99	9302				
Prep Date:	Analysis D	Date: 8/2	28/2023	5	SeqNo: 36	626183	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	0.050								
Surr: BEB	20		20.00		100	15	270			

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2308E14**

08-Sep-23

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID: 100ng btex lcs	Samp	ype: LC	S	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LCSW	Batcl	Batch ID: R99302		F	RunNo: 99302					
Prep Date:	Analysis [Date: 8/2	28/2023	5	SeqNo: 36	622740	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	96.1	70	130			
Toluene	19	1.0	20.00	0	96.5	70	130			
Ethylbenzene	20	1.0	20.00	0	98.6	70	130			
Xylenes, Total	59	2.0	60.00	0	98.9	70	130			
Surr: 4-Bromofluorobenzene	19		20.00		94.9	52.4	148			

Sample ID: mb	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBW	Batch	n ID: R9	9302	F	RunNo: 99	9302				
Prep Date:	Analysis D)ate: 8/ 2	28/2023	(SeqNo: 30	622741	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 4-Bromofluorobenzene	19		20.00		93.6	52.4	148			

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2308E14**

08-Sep-23

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID: MB-77156 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 77156 RunNo: 99352

Prep Date: 8/29/2023 Analysis Date: 8/30/2023 SeqNo: 3625321 Units: mq/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-77156 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 77156 RunNo: 99352

Prep Date: **8/29/2023** Analysis Date: **8/30/2023** SeqNo: **3625322** Units: **mg/L**

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

Total Dissolved Solids 989 50.0 1000 0 98.9 80 120

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque. NM 87109

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

Sample Log-In Check List

Released to Imaging: 4/8/2025 1:00:45 PM

		n cosne. n n n.na				
Client Name:	Animas Environmental Services	Work Order Number:	2308E14		RcptNo	o: 1
Received By:	Juan Rojas	8/25/2023 7:10:00 AM		Hank &		
Completed By:	Tracy Casarrubias	8/25/2023 9:17:26 AM				
Reviewed By:	M 8-25-23					
Chain of Cus	tody					
1. Is Chain of Cu			Yes 🗹	No 🗌	Not Present	
	sample delivered?		Courier			
Log In						
	pt made to cool the samples	?	Yes 🗸	No 🗌	NA 🗌	
4. Were all samp	oles received at a temperatur	e of >0° C to 6.0°C	Yes 🗹	No 🗌	na 🗆	
5. Sample(s) in p	proper container(s)?		Yes 🗹	No 🗌		
6. Sufficient sam	ple volume for indicated test	(s)?	Yes 🗹	No 🗌		
7. Are samples (except VOA and ONG) prope	orly preserved?	Yes 🗹	No 🗌		
8. Was preserval	tive added to bottles?		Yes 🗌	No 🔽	NA 🗆	
9. Received at le	ast 1 vial with headspace <1.	/4" for AQ VOA?	Yes 🗹	No 🗌	na 🗆	
10. Were any san	nple containers received brok	en?	Yes	No 🗹	# of preserved	
	ork match bottle labels? ancies on chain of custody)		Yes 🗹	No 🗌	bottles checked for pH: (<2 c	or >12 unless noted)
12. Are matrices o	correctly identified on Chain of	f Custody?	Yes 🔽	No 🗌	Adjusted?	25
13. Is it clear what	t analyses were requested?		Yes 🗹	No 🗌		11-12
	ng times able to be met? ustomer for authorization.)		Yes 🗹	No 🗌	Checked by:	7~8/29/23 1~8/25/23
Special Handl	ing (if applicable)					, 0,00,0
15. Was client no	tified of all discrepancies with	n this order?	Yes 🗌	No 🗌	NA 🗹	
Person	Notified:	Date:				
By Who	om:	Via:	eMail [Phone 🗌 Fax	☐ In Person	
Regardi	ing:					
Client Ir	nstructions:					
16. Additional re	marks:					
17. Cooler Infor Cooler No	Temp °C Condition	Seal Intact Seal No S	Seal Date	Signed By		

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ANALYSIS LABORATORY HALL ENVIRONMENTAL 4901 Hawkins NE - Albuquerque, NM 87109 Fax 505-345-4107 www.hallenvironmental.com **Analysis Request** Tel. 505-345-3975 × × × × Total Dissolved Solids via SM2540C × × × × Chlorides via EPA300.0 Remarks: × × × × TPH GRO / DRO / MRO via EPA8015M/D · × × × BTEX via Method 8021 × × 7308 EIU 200 903 100 005 **%**□ BMG Landfarm **AES 040605** Angela Todd □ Rush Preservativ e Type 2-None 2-None 2-None 2-None 5-HgCl2 5-HgCl2 5-HgCl2 5-HgCl2 cool 000 cool 000 00 00 The sale Cooler Temp(Including CF): Turn-Around Time: Container Type | (1) 250 mL amber glass (1) 250 mL amber glass (1) 250 mL amber glass 250 mL amber glass Project Manager (1) 250 mL plastic (1) 250 mL plastic (1) 250 mL plastic (1) 250 mL plastic (5) 40 mL glass (5) 40 mL glass (5) 40 mL glass Project Name: (5) 40 mL glass (2) 40 mL glass X Standard # of Coolers: and # Received by Project #: Sampler On Ice: □ Level 4 (Full Validation) atodd@animasenvironmental.com Received Charles 364 Custod WRecord Matrix | Sample Name Animas Environmental Services Trip Blank **MW-2** MW-3 MW-4 MW-1 Farmington, NM 87499-0008 P.O. Box 8 □ Az Compliance 720-537-6650 Relinquished by: □ Other გ _ 8 გ ≥ Mailing Address: 8-23-23 13:30 14:13 Email or Fax#: QA/QC Package: Time 13:56 ☐ EDD (Type) Accreditation: X Standard Time: □ NELAC Phone #: Date Client:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

8/18/13 7:10

100/100

eceived

quished by

23

Please direct-bill this project to BMG.



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

September 11, 2023

Angela Todd
Animas Environmental Services
624 E. Comanche
Farmington, NM 87401
TEL:
FAX:

RE: BMG Landfarm TZ Soil Samples OrderNo.: 2308E15

Dear Angela Todd:

Hall Environmental Analysis Laboratory received 4 sample(s) on 8/25/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

and st

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: Cell #1 TZ CS-1

Project: BMG Landfarm TZ Soil Samples **Collection Date:** 8/23/2023 10:09:00 AM 2308E15-001 Lab ID: Matrix: SOIL Received Date: 8/25/2023 7:10:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: PRD
Diesel Range Organics (DRO)	110	9.3	mg/Kg	1	9/2/2023 10:43:16 AM
Motor Oil Range Organics (MRO)	210	47	mg/Kg	1	9/2/2023 10:43:16 AM
Surr: DNOP	125	69-147	%Rec	1	9/2/2023 10:43:16 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/1/2023 2:27:12 PM
Surr: BFB	93.2	15-244	%Rec	1	9/1/2023 2:27:12 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	8/30/2023 9:49:07 PM

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

Qualifiers:

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

Page 1 of 8

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: Cell #2 TZ CS-1

Project: BMG Landfarm TZ Soil Samples **Collection Date:** 8/23/2023 10:38:00 AM

Lab ID: 2308E15-002 Matrix: SOIL Received Date: 8/25/2023 7:10:00 AM

Analyses Result RL Qual Units DF Date Analyzed

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: PRD
Diesel Range Organics (DRO)	200	9.7	mg/Kg	1	9/2/2023 2:42:29 PM
Motor Oil Range Organics (MRO)	340	49	mg/Kg	1	9/2/2023 2:42:29 PM
Surr: DNOP	124	69-147	%Rec	1	9/2/2023 2:42:29 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/1/2023 2:50:49 PM
Surr: BFB	95.0	15-244	%Rec	1	9/1/2023 2:50:49 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	8/30/2023 10:01:32 PM

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

Qualifiers:

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

of the pH Not In Range Page 2 of 8

Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: Cell #3 TZ CS-1

Project: BMG Landfarm TZ Soil Samples Collection Date: 8/23/2023 11:13:00 AM

Lab ID: 2308E15-003 Matrix: SOIL Received Date: 8/25/2023 7:10:00 AM

Analyses Result **RL Qual Units** DF **Date Analyzed EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: PRD Diesel Range Organics (DRO) 170 9.9 mg/Kg 1 9/2/2023 3:54:31 PM Motor Oil Range Organics (MRO) 300 49 mg/Kg 1 9/2/2023 3:54:31 PM Surr: DNOP 125 69-147 %Rec 1 9/2/2023 3:54:31 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP Gasoline Range Organics (GRO) ND 9/1/2023 3:38:08 PM 4.7 mg/Kg 1 Surr: BFB 95.2 15-244 %Rec 1 9/1/2023 3:38:08 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT ND Chloride 8/30/2023 10:13:57 PM 60 mg/Kg 20

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

Qualifiers:

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

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Date Reported: 9/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: Cell #4 TZ CS-1

Project: BMG Landfarm TZ Soil Samples Collection Date: 8/23/2023 11:41:00 AM

Lab ID: 2308E15-004 **Matrix:** SOIL **Received Date:** 8/25/2023 7:10:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: PRD
Diesel Range Organics (DRO)	39	9.4	mg/Kg	1	9/2/2023 5:06:28 PM
Motor Oil Range Organics (MRO)	60	47	mg/Kg	1	9/2/2023 5:06:28 PM
Surr: DNOP	127	69-147	%Rec	1	9/2/2023 5:06:28 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/1/2023 4:01:51 PM
Surr: BFB	94.3	15-244	%Rec	1	9/1/2023 4:01:51 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	61	mg/Kg	20	8/30/2023 10:26:22 PM

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2308E15** *11-Sep-23*

Client: Animas Environmental Services
Project: BMG Landfarm TZ Soil Samples

Sample ID: MB-77199 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 77199 RunNo: 99351

Prep Date: 8/30/2023 Analysis Date: 8/30/2023 SeqNo: 3626420 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-77199 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 77199 RunNo: 99351

Prep Date: 8/30/2023 Analysis Date: 8/30/2023 SeqNo: 3626421 Units: mg/Kg

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2308E15**

11-Sep-23

Client:	Animas Environmental Services
Project:	BMG Landfarm TZ Soil Samples

Project: DNG La	ilidiariii 12 Soii Sainpies		
Sample ID: LCS-77177	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 77177	RunNo: 99380	
Prep Date: 8/29/2023	Analysis Date: 8/31/2023	SeqNo: 3627016	Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: DNOP	5.7 5.000	114 69	147
Sample ID: LCS-77185	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 77185	RunNo: 99380	
Prep Date: 8/30/2023	Analysis Date: 8/31/2023	SeqNo: 3627017	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	61 10 50.00	0 121 61.9	130
Surr: DNOP	6.6 5.000	131 69	147
Sample ID: MB-77177	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 77177	RunNo: 99380	
Prep Date: 8/29/2023	Analysis Date: 8/31/2023	SeqNo: 3627018	Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
0 51105	12 10.00	116 69	147
Surr: DNOP	12 10.00	116 69	147
Sample ID: MB-77185	SampType: MBLK		8015M/D: Diesel Range Organics
Sample ID: MB-77185	SampType: MBLK	TestCode: EPA Method	
Sample ID: MB-77185 Client ID: PBS Prep Date: 8/30/2023 Analyte	SampType: MBLK Batch ID: 77185 Analysis Date: 8/31/2023	TestCode: EPA Method RunNo: 99380	8015M/D: Diesel Range Organics
Sample ID: MB-77185 Client ID: PBS Prep Date: 8/30/2023 Analyte Diesel Range Organics (DRO)	SampType: MBLK Batch ID: 77185 Analysis Date: 8/31/2023 Result PQL SPK value ND 10	TestCode: EPA Method RunNo: 99380 SeqNo: 3627019	8015M/D: Diesel Range Organics Units: mg/Kg
Sample ID: MB-77185 Client ID: PBS Prep Date: 8/30/2023 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO)	SampType: MBLK Batch ID: 77185 Analysis Date: 8/31/2023 Result PQL SPK value ND 10 ND 50	TestCode: EPA Method RunNo: 99380 SeqNo: 3627019 SPK Ref Val %REC LowLimit	8015M/D: Diesel Range Organics Units: mg/Kg HighLimit %RPD RPDLimit Qual
Sample ID: MB-77185 Client ID: PBS Prep Date: 8/30/2023 Analyte Diesel Range Organics (DRO)	SampType: MBLK Batch ID: 77185 Analysis Date: 8/31/2023 Result PQL SPK value ND 10	TestCode: EPA Method RunNo: 99380 SeqNo: 3627019	8015M/D: Diesel Range Organics Units: mg/Kg
Sample ID: MB-77185 Client ID: PBS Prep Date: 8/30/2023 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-77176	SampType: MBLK Batch ID: 77185 Analysis Date: 8/31/2023 Result PQL SPK value ND 10 ND 50 13 10.00 SampType: LCS	TestCode: EPA Method RunNo: 99380 SeqNo: 3627019 SPK Ref Val %REC LowLimit 126 69 TestCode: EPA Method	8015M/D: Diesel Range Organics Units: mg/Kg HighLimit %RPD RPDLimit Qual
Sample ID: MB-77185 Client ID: PBS Prep Date: 8/30/2023 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP	SampType: MBLK Batch ID: 77185 Analysis Date: 8/31/2023 Result PQL SPK value ND 10 ND 50 13 10.00	TestCode: EPA Method RunNo: 99380 SeqNo: 3627019 SPK Ref Val %REC LowLimit	8015M/D: Diesel Range Organics Units: mg/Kg HighLimit %RPD RPDLimit Qual
Sample ID: MB-77185 Client ID: PBS Prep Date: 8/30/2023 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-77176	SampType: MBLK Batch ID: 77185 Analysis Date: 8/31/2023 Result PQL SPK value ND 10 ND 50 13 10.00 SampType: LCS	TestCode: EPA Method RunNo: 99380 SeqNo: 3627019 SPK Ref Val %REC LowLimit 126 69 TestCode: EPA Method	8015M/D: Diesel Range Organics Units: mg/Kg HighLimit %RPD RPDLimit Qual
Sample ID: MB-77185 Client ID: PBS Prep Date: 8/30/2023 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-77176 Client ID: LCSS Prep Date: 8/29/2023 Analyte	SampType: MBLK Batch ID: 77185 Analysis Date: 8/31/2023 Result PQL SPK value ND 10 ND 50 13 10.00 SampType: LCS Batch ID: 77176 Analysis Date: 8/31/2023 Result PQL SPK value	TestCode: EPA Method RunNo: 99380 SeqNo: 3627019 SPK Ref Val %REC LowLimit 126 69 TestCode: EPA Method RunNo: 99380 SeqNo: 3627544 SPK Ref Val %REC LowLimit	8015M/D: Diesel Range Organics Units: mg/Kg HighLimit %RPD RPDLimit Qual 147 8015M/D: Diesel Range Organics Units: %Rec HighLimit %RPD RPDLimit Qual
Sample ID: MB-77185 Client ID: PBS Prep Date: 8/30/2023 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-77176 Client ID: LCSS Prep Date: 8/29/2023	SampType: MBLK Batch ID: 77185 Analysis Date: 8/31/2023 Result PQL SPK value ND 10 ND 50 13 10.00 SampType: LCS Batch ID: 77176 Analysis Date: 8/31/2023	TestCode: EPA Method RunNo: 99380 SeqNo: 3627019 SPK Ref Val %REC LowLimit 126 69 TestCode: EPA Method RunNo: 99380 SeqNo: 3627544	8015M/D: Diesel Range Organics Units: mg/Kg HighLimit %RPD RPDLimit Qual 147 8015M/D: Diesel Range Organics Units: %Rec
Sample ID: MB-77185 Client ID: PBS Prep Date: 8/30/2023 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-77176 Client ID: LCSS Prep Date: 8/29/2023 Analyte	SampType: MBLK Batch ID: 77185 Analysis Date: 8/31/2023 Result PQL SPK value ND 10 ND 50 13 10.00 SampType: LCS Batch ID: 77176 Analysis Date: 8/31/2023 Result PQL SPK value	TestCode: EPA Method RunNo: 99380 SeqNo: 3627019 SPK Ref Val %REC LowLimit 126 69 TestCode: EPA Method RunNo: 99380 SeqNo: 3627544 SPK Ref Val %REC LowLimit 109 69	8015M/D: Diesel Range Organics Units: mg/Kg HighLimit %RPD RPDLimit Qual 147 8015M/D: Diesel Range Organics Units: %Rec HighLimit %RPD RPDLimit Qual
Sample ID: MB-77185 Client ID: PBS Prep Date: 8/30/2023 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-77176 Client ID: LCSS Prep Date: 8/29/2023 Analyte Surr: DNOP	SampType: MBLK Batch ID: 77185 Analysis Date: 8/31/2023 Result PQL SPK value ND 10 ND 50 13 10.00 SampType: LCS Batch ID: 77176 Analysis Date: 8/31/2023 Result PQL SPK value 5.5 5.000	TestCode: EPA Method RunNo: 99380 SeqNo: 3627019 SPK Ref Val %REC LowLimit 126 69 TestCode: EPA Method RunNo: 99380 SeqNo: 3627544 SPK Ref Val %REC LowLimit 109 69	8015M/D: Diesel Range Organics Units: mg/Kg HighLimit %RPD RPDLimit Qual 147 8015M/D: Diesel Range Organics Units: %Rec HighLimit %RPD RPDLimit Qual 147
Sample ID: MB-77185 Client ID: PBS Prep Date: 8/30/2023 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-77176 Client ID: LCSS Prep Date: 8/29/2023 Analyte Surr: DNOP Sample ID: LCS-77208	SampType: MBLK Batch ID: 77185 Analysis Date: 8/31/2023 Result PQL SPK value ND 10 ND 50 13 10.00 SampType: LCS Batch ID: 77176 Analysis Date: 8/31/2023 Result PQL SPK value 5.5 5.000 SampType: LCS	TestCode: EPA Method RunNo: 99380 SeqNo: 3627019 SPK Ref Val %REC LowLimit 126 69 TestCode: EPA Method RunNo: 99380 SeqNo: 3627544 SPK Ref Val %REC LowLimit 109 69 TestCode: EPA Method	8015M/D: Diesel Range Organics Units: mg/Kg HighLimit %RPD RPDLimit Qual 147 8015M/D: Diesel Range Organics Units: %Rec HighLimit %RPD RPDLimit Qual 147
Sample ID: MB-77185 Client ID: PBS Prep Date: 8/30/2023 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-77176 Client ID: LCSS Prep Date: 8/29/2023 Analyte Surr: DNOP Sample ID: LCS-77208 Client ID: LCSS	SampType: MBLK Batch ID: 77185 Analysis Date: 8/31/2023 Result PQL SPK value ND 10 ND 50 13 10.00 SampType: LCS Batch ID: 77176 Analysis Date: 8/31/2023 Result PQL SPK value 5.5 5.000 SampType: LCS Batch ID: 77208 Analysis Date: 8/31/2023	TestCode: EPA Method RunNo: 99380 SeqNo: 3627019 SPK Ref Val %REC LowLimit 126 69 TestCode: EPA Method RunNo: 99380 SeqNo: 3627544 SPK Ref Val %REC LowLimit 109 69 TestCode: EPA Method RunNo: 99380	8015M/D: Diesel Range Organics Units: mg/Kg HighLimit %RPD RPDLimit Qual 147 8015M/D: Diesel Range Organics Units: %Rec HighLimit %RPD RPDLimit Qual 147 8015M/D: Diesel Range Organics Units: %Rec

Qualifiers:

Surr: DNOP

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

5.9

B Analyte detected in the associated Method Blank

119

69

147

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

5.000

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2308E15**

11-Sep-23

Client:	Animas Environmental Services
Project:	$BMG\ Land farm\ TZ\ Soil\ Samples$

Project:	BMG Lan	dfarm TZ	Soil S	amples							
Sample ID:	LCS-77213	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID:	LCSS	Batch	ID: 77	213	F	RunNo: 99	9380				
Prep Date:	8/30/2023	Analysis D	ate: 8/	31/2023	(SeqNo: 30	627547	Units: %Red	;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP)	5.3		5.000		105	69	147			
Sample ID:	MB-77176	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID:	PBS	Batch	ID: 77	176	F	RunNo: 99	9380				
Prep Date:	8/29/2023	Analysis D	ate: 8/	31/2023	5	SeqNo: 30	627552	Units: %Red	:		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP)	13		10.00		126	69	147			
Sample ID:	MB-77208	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID:	PBS	Batch	1D: 77	208	F	RunNo: 99	9380				
Prep Date:	8/30/2023	Analysis D	ate: 8/	31/2023	\$	SeqNo: 30	627556	Units: %Red	;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP)	13		10.00		131	69	147			
Sample ID:	MB-77213	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID:	PBS	Batch	ID: 77	213	F	RunNo: 99	9380				
Prep Date:	8/30/2023	Analysis D	ate: 8/	31/2023	\$	SeqNo: 30	627557	Units: %Red	;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP)	11		10.00		108	69	147			
Sample ID:	2308E15-001AMS	SampT	ype: M \$	6	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID:	Cell #1 TZ CS-1	Batch	ID: 77	185	F	RunNo: 99	9439				
Prep Date:	8/30/2023	Analysis D	ate: 9/	2/2023	5	SeqNo: 30	629688	Units: mg/K	g		
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
_	Organics (DRO)	140	9.4	47.21	107.2	64.8	54.2	135			
Surr: DNOP		5.9		4.721		126	69	147			
Sample ID:	2308E15-001AMSD	SampT	ype: MS	SD				8015M/D: Die	sel Range	Organics	
Client ID:	Cell #1 TZ CS-1		1D: 77			RunNo: 99					
Prep Date:	8/30/2023	Analysis D	ate: 9/	2/2023	5	SeqNo: 30	629691	Units: mg/K	g		
Analyte	O (DDO)	Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
•	Organics (DRO)	180	9.5	47.71	107.2	143	54.2	135	24.0	29.2	S
Surr: DNOP)	6.2		4.771		131	69	147	0	0	

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: 2308E15

11-Sep-23

Client:	Animas Environmental Services
Project:	BMG Landfarm TZ Soil Samples

Troject.	DIVIO L										
Sample ID:	lcs-77179	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID:	LCSS	Batch	ID: 77 1	179	F	RunNo: 99	9366				
Prep Date:	8/29/2023	Analysis Da	ate: 8/ 3	31/2023	5	SeqNo: 36	627634	Units: mg/K	g		
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	ge Organics (GRO)	23	5.0	25.00	0	93.6	70	130			
Surr: BFB		2000		1000		203	15	244			
Sample ID:	lcs-77198	SampTy	/pe: LC	S	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range		
Client ID:	LCSS	Batch	ID: 77 1	198	F	RunNo: 99	9366				
Prep Date:	8/30/2023	Analysis Da	ate: 9/	1/2023	9	SeqNo: 36	627635	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		1900		1000		193	15	244			
Sample ID:	mb-77198	SampTy	/pe: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range		
Client ID:	PBS		ID: 77 1			RunNo: 9 9			3		
Prep Date:	8/30/2023	Analysis Da	ate: 9/	1/2023	S	SeqNo: 36	627636	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
0 055											
Surr: BFB		940		1000		93.9	15	244			
	mb-77179	940 SampTy	/pe: ME		Tes			244 8015D: Gasol	ine Range		
	mb-77179 PBS	SampTy	/pe: ME	BLK			PA Method		ine Range		
Sample ID:	PBS	SampTy	ID: 77 1	BLK 179	F	tCode: EF	PA Method 9366		J		
Sample ID: Client ID:	PBS	SampTy Batch	ID: 77 1	BLK 179 31/2023	F	tCode: EF RunNo: 99 SeqNo: 36	PA Method 9366	8015D: Gasol	J	RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte	PBS	SampTy Batch Analysis Da	ID: 77 1 ate: 8/ 3	BLK 179 31/2023	F	tCode: EF RunNo: 99 SeqNo: 36	PA Method 9366 627706	8015D: Gasol Units: mg/K	g		Qual
Sample ID: Client ID: Prep Date: Analyte	PBS 8/29/2023	SampTy Batch Analysis Da Result	ID: 77 1 ate: 8/ 3 PQL	BLK 179 31/2023	F	tCode: EF RunNo: 99 SeqNo: 36	PA Method 9366 627706	8015D: Gasol Units: mg/K	g		Qual
Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB	PBS 8/29/2023	SampTy Batch Analysis Da Result ND	ID: 77 1 ate: 8/ 3 PQL 5.0	31/2023 SPK value	SPK Ref Val	tCode: EF RunNo: 99 SeqNo: 36 %REC 98.3	PA Method 9366 627706 LowLimit	8015D: Gasol Units: mg/K	g %RPD	RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB	PBS 8/29/2023 ge Organics (GRO)	SampTy Batch Analysis Da Result ND 980 SampTy	ID: 77 1 ate: 8/ 3 PQL 5.0	BLK 179 31/2023 SPK value 1000	SPK Ref Val	tCode: EF RunNo: 99 SeqNo: 36 %REC 98.3	PA Method 9366 627706 LowLimit 15	8015D: Gasol Units: mg/K HighLimit	g %RPD	RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID:	PBS 8/29/2023 ge Organics (GRO)	SampTy Batch Analysis Da Result ND 980 SampTy	PQL 5.0	BLK 179 31/2023 SPK value 1000 S	SPK Ref Val Tes	tCode: EF RunNo: 99 SeqNo: 36 %REC 98.3	PA Method 9366 627706 LowLimit 15 PA Method 9411	8015D: Gasol Units: mg/K HighLimit	g %RPD ine Range	RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID:	PBS 8/29/2023 ge Organics (GRO)	SampTy Batch Analysis Da Result ND 980 SampTy Batch	PQL 5.0	BLK 179 31/2023 SPK value 1000 S 172 2/2023	SPK Ref Val Tes	tCode: EF RunNo: 99 SeqNo: 36 %REC 98.3 tCode: EF RunNo: 99	PA Method 9366 627706 LowLimit 15 PA Method 9411	8015D: Gasol Units: mg/K HighLimit 244 8015D: Gasol	g %RPD ine Range	RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date:	PBS 8/29/2023 ge Organics (GRO)	SampTy Batch Analysis Da Result ND 980 SampTy Batch Analysis Da	PQL 5.0 //pe: LC ID: 771	BLK 179 31/2023 SPK value 1000 S 172 2/2023	SPK Ref Val Tes	tCode: EF RunNo: 99 SeqNo: 36 %REC 98.3 tCode: EF RunNo: 99 SeqNo: 36	PA Method 9366 527706 LowLimit 15 PA Method 9411 528857	8015D: Gasol Units: mg/K HighLimit 244 8015D: Gasol Units: %Rec	g %RPD ine Range	RPDLimit	
Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte Surr: BFB	PBS 8/29/2023 ge Organics (GRO)	SampTy Batch Analysis Da Result ND 980 SampTy Batch Analysis Da Result	PQL 5.0 //Pe: LC ID: 771 PQL PQL PQL	31/2023 SPK value 1000 S 172 2/2023 SPK value 1000	SPK Ref Val Tes F S SPK Ref Val	tCode: EF RunNo: 99 SeqNo: 36 %REC 98.3 tCode: EF RunNo: 99 SeqNo: 36 %REC 191	PA Method 9366 527706 LowLimit 15 PA Method 9411 628857 LowLimit	8015D: Gasol Units: mg/K HighLimit 244 8015D: Gasol Units: %Rec	g %RPD ine Range %RPD	RPDLimit RPDLimit	
Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte Surr: BFB	PBS 8/29/2023 ge Organics (GRO) Ics-77172 LCSS 8/29/2023	SampTy Batch Analysis Da Result ND 980 SampTy Batch Analysis Da Result 1900 SampTy	PQL 5.0 //Pe: LC ID: 771 PQL PQL PQL	31/2023 SPK value 1000 S 172 2/2023 SPK value 1000	SPK Ref Val Tes SPK Ref Val Tes	tCode: EF RunNo: 99 SeqNo: 36 %REC 98.3 tCode: EF RunNo: 99 SeqNo: 36 %REC 191	PA Method 9366 627706 LowLimit 15 PA Method 9411 628857 LowLimit 15	8015D: Gasol Units: mg/K HighLimit 244 8015D: Gasol Units: %Rec HighLimit 244	g %RPD ine Range %RPD	RPDLimit RPDLimit	
Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte Surr: BFB Sample ID:	PBS 8/29/2023 ge Organics (GRO) Ics-77172 LCSS 8/29/2023 mb-77172 PBS	SampTy Batch Analysis Da Result ND 980 SampTy Batch Analysis Da Result 1900 SampTy	PQL 5.0 //Pe: LC ID: 771 PQL 771 ID: 771 ID: 771	BLK 179 31/2023 SPK value 1000 S 172 2/2023 SPK value 1000	SPK Ref Val Tes SPK Ref Val Tes SPK Ref Val	tCode: EF RunNo: 99 SeqNo: 36 %REC 98.3 tCode: EF RunNo: 99 SeqNo: 36 %REC 191 tCode: EF	PA Method 9366 527706 LowLimit 15 PA Method 9411 15 PA Method 9411	8015D: Gasol Units: mg/K HighLimit 244 8015D: Gasol Units: %Rec HighLimit 244	g %RPD ine Range %RPD ine Range	RPDLimit RPDLimit	
Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte Surr: BFB Sample ID: Client ID: Client ID: Client ID: Client ID: Client ID:	PBS 8/29/2023 ge Organics (GRO) Ics-77172 LCSS 8/29/2023 mb-77172 PBS	SampTy Batch Analysis Da Result ND 980 SampTy Batch Analysis Da Result 1900 SampTy Batch	PQL 5.0 //Pe: LC ID: 771 PQL 771 ID: 771 ID: 771	BLK 179 31/2023 SPK value 1000 S 172 2/2023 SPK value 1000	SPK Ref Val Tes SPK Ref Val Tes SPK Ref Val	tCode: EF RunNo: 99 SeqNo: 36 %REC 98.3 tCode: EF RunNo: 99 SeqNo: 36 %REC 191 tCode: EF	PA Method 9366 527706 LowLimit 15 PA Method 9411 15 PA Method 9411	8015D: Gasol Units: mg/K HighLimit 244 8015D: Gasol Units: %Rec HighLimit 244 8015D: Gasol	g %RPD ine Range %RPD ine Range	RPDLimit RPDLimit	

Qualifiers:

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

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Hall Environmental Analysis Laboratory TEL

List

Released to Imaging: 4/8/2025 1:00:45 PM

Albuquerque. NM 87109	Sample Log-In Check
EL: 505-345-3975 FAX: 505-345-4107	
Website: www.hallenvironmental.com	

Client Name:	Animas Environmental Services	Work Order Number	: 2308E15		RcptNo: 1	
Received By:	Juan Rojas	8/25/2023 7:10:00 AM		floures &		
Completed By:	Tracy Casarrubias	8/25/2023 9:28:50 AM	i			
Reviewed By:	M 8-25-23					
Chain of Cus	tody					
	ustody complete?		Yes 🗹	No 🗌	Not Present	
2. How was the	sample delivered?		Courier			
Log In 3. Was an attern	npt made to cool the samples?		Yes 🗸	No 🗌	NA 🗆	
4. Were all samp	oles received at a temperature	of >0° C to 6.0°C	Yes 🗹	No 🗌	na 🗆	
5. Sample(s) in	proper container(s)?		Yes 🗹	No 🗆		
6. Sufficient sam	nple volume for indicated test(s)?	Yes 🗹	No 🗌		
7. Are samples (except VOA and ONG) proper	ly preserved?	Yes 🗹	No 🗌		
8. Was preserva	tive added to bottles?		Yes 🗌	No 🗹	NA 🗌	
9. Received at le	east 1 vial with headspace <1/4	" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹	
10. Were any sar	mple containers received broke	en?	Yes	No 🗹	# of preserved	
	ork match bottle labels? ancies on chain of custody)		Yes 🗹	No 🗌	bottles checked for pH: (<2 or >12	unless noted)
12 Are matrices	correctly identified on Chain of	Custody?	Yes 🗹	No 🗌	Adjusted?	1 6
13. Is it clear wha	it analyses were requested?		Yes 🗹	No 🗌	SIN	12/25/2
	ing times able to be met? ustomer for authorization.)		Yes 🗹	No 🗌	Checked by: 5CM	1 00000
Special Hand	ling (if applicable)					
15. Was client no	otified of all discrepancies with	this order?	Yes 🗌	No 🗌	NA 🗹	
Person	Notified:	Date:				
By Wh	om:	Via:	eMail [Phone Fax	☐ In Person	
Regard	ling:				The state of the s	
Client I	nstructions:		-			
16. Additional re	emarks:					
17. <u>Cooler Info</u> Cooler No			Seal Date	Signed By		

Chain-of-Custody Record			Turn-Around Time: HALL ENVIRONMEN							NT	AL							
Client: Animas Environmental Services			⊠ Standard	□ Rush			d		A	NA	LYS	SIS	LA	ВО	RA	TO	RY	
				Project Name:						ww	w.hall	enviro	nment	al.cor	n			
Mailing	Address	:	P.O. Box 8	BMG L	andfarm - TZ	soil samples		490	01 Hav	vkins l	NE -	Albuc	querqu	e, NV	1 8710)9		
Farmington, NM 87499-0008 Phone #: 720-537-6650			Project #:					el. 505-				x 505						
			-6650		AES 0406	05						nalysi	s Req	uest				
email o	r Fax#:	atodd@a	animasenvironmental.com	Project Manage	r:			10										
QA/QC I	Package:		☐ Level 4 (Full Validation)		Angela To	odd	300.0	Method 8015										
Accredi	tation:	□ Az Co	mpliance	Sampler:				ria Me										
□ NEL		□ Other		On Ice:	□-Yes	□ No	Method	ARO v										
□ EDD	(Type)	r	<u> </u>	# of Coolers: Cooler Temp(incl	1	8.9096		N/03										
	•			Cooler Terrip(inclu	iding CF).	7-022	les v) / DF										
Date	Time	Matrix	Sample Name	Container Type and #	Preservativ e Type	HEAL No. 2308E 15	Chlorides via	TPH GRO / DRO / MRO via										
8-23-23	10:09	Soil	Cell #1 TZ CS-1	1 - 4 oz jar	Cool	001	X	Х										
8-23-23	10:38	Soil	Cell #2 TZ CS-1	1 - 4 oz jar	Cool	002	Х	Х										
82323		Soil	Cell #3 TZ CS-1	1 - 4 oz jar	Cool	003	Х	х										
323-23	11:41	Soil	Cell #4 TZ CS-1	1 - 4 oz jar	Cool	004	Х	Χ										
												-		-	-		\vdash	_
							_			+-		-			_	+	+	+
				-						\top		_				1		
Date:	Time:	Relinquish	ed by:	Received by:	/ia:	Date Time	Rer	nark	s:									
8242	1355		rib	1 chr	Jan 8	1355 J355		PI	ease	dire	ct-bi	ll this	s pro	ject	to B	MG.		
Date: Time: Relipquished by:				/ia:	Date Time													
1.	1117		V V V V	<i>y</i> - <i>q</i> /	10Unity D	ing This serves as notice of	f this nos	aibility	Any sub	-contrac	ted dat	a will be r	clearly no	ntated or	the an	alvtical re	eport.	



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

September 12, 2023

Angela Todd
Animas Environmental Services
624 E. Comanche
Farmington, NM 87401
TEL:
FAX:

RE: BMG Landfarm VZ Soil Samples OrderNo.: 2308E17

Dear Angela Todd:

Hall Environmental Analysis Laboratory received 4 sample(s) on 8/25/2023 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued September 11, 2023.

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. 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. All samples are reported as received unless otherwise indicated.

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andel

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 9/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: Cell #1 VZ DS-1

Project: BMG Landfarm VZ Soil Samples Collection Date: 8/23/2023 9:51:00 AM

Lab ID: 2308E17-001 Matrix: SOIL Received Date: 8/25/2023 7:10:00 AM

Result **RL Qual Units** DF **Date Analyzed Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: **DGH** Diesel Range Organics (DRO) ND 9.5 mg/Kg 1 9/1/2023 2:36:31 AM Motor Oil Range Organics (MRO) ND 47 mg/Kg 1 9/1/2023 2:36:31 AM Surr: DNOP 94.6 69-147 %Rec 1 9/1/2023 2:36:31 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP Gasoline Range Organics (GRO) ND 9/1/2023 4:25:33 PM 5.0 mg/Kg 1 Surr: BFB 101 15-244 %Rec 1 9/1/2023 4:25:33 PM **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 9/1/2023 4:25:33 PM 0.025 mg/Kg 1 Toluene ND 0.050 mg/Kg 1 9/1/2023 4:25:33 PM Ethylbenzene ND 0.050 mg/Kg 1 9/1/2023 4:25:33 PM Xylenes, Total ND mg/Kg 1 9/1/2023 4:25:33 PM 0.10 Surr: 4-Bromofluorobenzene 109 39.1-146 %Rec 1 9/1/2023 4:25:33 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT mg/Kg Chloride 8/30/2023 10:38:47 PM 290 60 20

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

 $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 9/12/2023

8/30/2023 10:51:11 PM

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: Cell #2 VZ DS-1

Project: BMG Landfarm VZ Soil Samples Collection Date: 8/23/2023 10:21:00 AM

Lab ID: 2308E17-002 Matrix: SOIL Received Date: 8/25/2023 7:10:00 AM

Result **RL Qual Units** DF **Date Analyzed Analyses** Analyst: **DGH EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Diesel Range Organics (DRO) 24 9.8 mg/Kg 1 9/1/2023 3:01:10 AM Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 9/1/2023 3:01:10 AM Surr: DNOP 96.8 69-147 %Rec 1 9/1/2023 3:01:10 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP Gasoline Range Organics (GRO) ND 9/1/2023 4:49:17 PM 4.8 mg/Kg 1 Surr: BFB 98.2 15-244 %Rec 1 9/1/2023 4:49:17 PM **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 9/1/2023 4:49:17 PM 0.024 mg/Kg 1 Toluene ND 0.048 mg/Kg 1 9/1/2023 4:49:17 PM Ethylbenzene ND 0.048 mg/Kg 1 9/1/2023 4:49:17 PM Xylenes, Total ND 0.096 mg/Kg 1 9/1/2023 4:49:17 PM Surr: 4-Bromofluorobenzene 111 39.1-146 %Rec 1 9/1/2023 4:49:17 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT

ND

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

Qualifiers:

Chloride

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

mg/Kg

20

60

P Sample pH Not In Range

RL Reporting Limit

Page 2 of 8

Date Reported: 9/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: Cell #3 VZ DS-1

Project: BMG Landfarm VZ Soil Samples **Collection Date:** 8/23/2023 10:53:00 AM

Lab ID: 2308E17-003 **Matrix:** SOIL **Received Date:** 8/25/2023 7:10:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	9/1/2023 3:25:50 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	9/1/2023 3:25:50 AM
Surr: DNOP	85.9	69-147	%Rec	1	9/1/2023 3:25:50 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/1/2023 5:13:02 PM
Surr: BFB	99.3	15-244	%Rec	1	9/1/2023 5:13:02 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	9/1/2023 5:13:02 PM
Toluene	ND	0.048	mg/Kg	1	9/1/2023 5:13:02 PM
Ethylbenzene	ND	0.048	mg/Kg	1	9/1/2023 5:13:02 PM
Xylenes, Total	ND	0.095	mg/Kg	1	9/1/2023 5:13:02 PM
Surr: 4-Bromofluorobenzene	110	39.1-146	%Rec	1	9/1/2023 5:13:02 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	8/30/2023 6:50:16 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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

ple pH Not In Range Page 3 of 8

Date Reported: 9/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: Cell #4 VZ DS-1

Project: BMG Landfarm VZ Soil Samples **Collection Date:** 8/23/2023 11:28:00 AM

Lab ID: 2308E17-004 **Matrix:** SOIL **Received Date:** 8/25/2023 7:10:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR				Analyst: DGH	
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	9/1/2023 4:14:42 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	9/1/2023 4:14:42 AM
Surr: DNOP	141	69-147	%Rec	1	9/1/2023 4:14:42 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	9/1/2023 5:36:47 PM
Surr: BFB	97.0	15-244	%Rec	1	9/1/2023 5:36:47 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.023	mg/Kg	1	9/1/2023 5:36:47 PM
Toluene	ND	0.047	mg/Kg	1	9/1/2023 5:36:47 PM
Ethylbenzene	ND	0.047	mg/Kg	1	9/1/2023 5:36:47 PM
Xylenes, Total	ND	0.094	mg/Kg	1	9/1/2023 5:36:47 PM
Surr: 4-Bromofluorobenzene	108	39.1-146	%Rec	1	9/1/2023 5:36:47 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	8/30/2023 7:27:18 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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

ple pH Not In Range Page 4 of 8

Hall Environmental Analysis Laboratory, Inc.

2308E17 12-Sep-23

WO#:

Client: Animas Environmental Services
Project: BMG Landfarm VZ Soil Samples

Sample ID: MB-77199 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: **PBS** Batch ID: **77199** RunNo: **99351**

Prep Date: 8/30/2023 Analysis Date: 8/30/2023 SeqNo: 3626420 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-77199 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: **LCSS** Batch ID: **77199** RunNo: **99351**

Prep Date: 8/30/2023 Analysis Date: 8/30/2023 SeqNo: 3626421 Units: mg/Kg

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-77219 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 77219 RunNo: 99393

Prep Date: 8/30/2023 Analysis Date: 8/30/2023 SeqNo: 3626972 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-77219 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 77219 RunNo: 99393

Prep Date: 8/30/2023 Analysis Date: 8/30/2023 SeqNo: 3626973 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 93.8 90 110

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

2308E17 12-Sep-23

WO#:

Client: Animas Environmental Services
Project: BMG Landfarm VZ Soil Samples

Project: BMG Lar	ndfarm VZ Soil Samples	
Sample ID: LCS-77185	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 77185	RunNo: 99380
Prep Date: 8/30/2023	Analysis Date: 8/31/2023	SeqNo: 3627017 Units: mg/Kg
Analyte	Result PQL SPK v	ralue SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	61 10 5	0.00 0 121 61.9 130
Surr: DNOP	6.6 5	.000 131 69 147
Sample ID: MB-77185	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 77185	RunNo: 99380
Prep Date: 8/30/2023	Analysis Date: 8/31/2023	SeqNo: 3627019 Units: mg/Kg
Analyte	Result PQL SPK v	ralue SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10	
Motor Oil Range Organics (MRO)	ND 50	
Surr: DNOP	13 1	0.00 126 69 147
Sample ID: LCS-77208	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 77208	RunNo: 99380
Prep Date: 8/30/2023	Analysis Date: 8/31/2023	SeqNo: 3627545 Units: %Rec
Analyte	Result PQL SPK v	ralue SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	5.9 5	.000 119 69 147
Sample ID: MB-77208	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 77208	RunNo: 99380
Prep Date: 8/30/2023	Analysis Date: 8/31/2023	SeqNo: 3627556 Units: %Rec
Analyte	Result PQL SPK v	ralue SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	13 1	0.00 131 69 147

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

2308E17 12-Sep-23

WO#:

Client: Animas Environmental Services
Project: BMG Landfarm VZ Soil Samples

Project: BMG La	andfarm VZ Soil Samples	
Sample ID: Ics-77179	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS	Batch ID: 77179	RunNo: 99366
Prep Date: 8/29/2023	Analysis Date: 8/31/2023	SeqNo: 3627634 Units: mg/Kg
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO)	23 5.0 25.00	0 93.6 70 130
Surr: BFB	2000 1000	203 15 244
Sample ID: Ics-77198	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS	Batch ID: 77198	RunNo: 99366
Prep Date: 8/30/2023	Analysis Date: 9/1/2023	SeqNo: 3627635 Units: %Rec
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: BFB	1900 1000	193 15 244
Sample ID: mb-77198	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBS	Batch ID: 77198	RunNo: 99366
Prep Date: 8/30/2023	Analysis Date: 9/1/2023	SeqNo: 3627636 Units: %Rec
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: BFB	940 1000	93.9 15 244
Sample ID: mb-77179	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBS	Batch ID: 77179	RunNo: 99366
Prep Date: 8/29/2023	Analysis Date: 8/31/2023	SeqNo: 3627706 Units: mg/Kg
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO)	ND 5.0	
Surr: BFB	980 1000	98.3 15 244

Qualifiers:

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

Page 7 of 8

Hall Environmental Analysis Laboratory, Inc.

WO#: **2308E17** *12-Sep-23*

Client: Animas Environmental Services
Project: BMG Landfarm VZ Soil Samples

— BMG E									
Sample ID: LCS-77179	SampType:	LCS	Tes	tCode: EP	A Method	8021B: Volati	les		
Client ID: LCSS	Batch ID:	77179	F	RunNo: 99	366				
Prep Date: 8/29/2023	Analysis Date:	8/31/2023	S	SeqNo: 36	27739	Units: mg/K	g		
Analyte	Result PO	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1 0.0	025 1.000	0	108	70	130			
Toluene	1.1 0.0	050 1.000	0	108	70	130			
Ethylbenzene	1.1 0.0	050 1.000	0	111	70	130			
Xylenes, Total	3.3 0	.10 3.000	0	112	70	130			
Surr: 4-Bromofluorobenzene	1.1	1.000		110	39.1	146			
Sample ID: LCS-77198	SampType:	LCS	Tes						
Client ID: LCSS	Batch ID:	77198	F	RunNo: 99	366				
Prep Date: 8/30/2023	Analysis Date:	9/1/2023	SeqNo: 3627740 Units: %Rec						
Analyte	Result PO	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1	1.000		106	39.1	146			
Sample ID: mb-77198	SampType:	MBLK	Tes	tCode: EP	A Method	8021B: Volati	les		
Client ID: PBS	Batch ID:	77198	F	RunNo: 99	366				
Prep Date: 8/30/2023	Analysis Date:	9/1/2023	S	SeqNo: 36	27741	Units: %Rec	:		
Analyte	Result PO	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1	1.000		106	39.1	146			
Sample ID: mb-77179	SampType:	MBLK	Tes	tCode: EP	A Method	8021B: Volati	les		
011			_	RunNo: 99	266				
Client ID: PBS	Batch ID:	77179	F	turiivo. 99	300				
Client ID: PBS Prep Date: 8/29/2023	Batch ID: Analysis Date:	-		SeqNo: 36		Units: mg/K	g		
-		8/31/2023				Units: mg/K HighLimit	g %RPD	RPDLimit	Qual
Prep Date: 8/29/2023	Analysis Date: Result PO	8/31/2023	S	SeqNo: 36	27742	J	_	RPDLimit	Qual
Prep Date: 8/29/2023 Analyte Benzene	Analysis Date: Result PC ND 0.0	8/31/2023 QL SPK value	S	SeqNo: 36	27742	J	_	RPDLimit	Qual
Prep Date: 8/29/2023 Analyte	Analysis Date: Result P0 ND 0.0 ND 0.0	8/31/2023 QL SPK value 025	S	SeqNo: 36	27742	J	_	RPDLimit	Qual
Prep Date: 8/29/2023 Analyte Benzene Toluene	Analysis Date: Result PO ND 0.0 ND 0.0 ND 0.0	8/31/2023 QL SPK value 025 050	S	SeqNo: 36	27742	J	_	RPDLimit	Qual
Prep Date: 8/29/2023 Analyte Benzene Toluene Ethylbenzene	Analysis Date: Result PO ND 0.0 ND 0.0 ND 0.0	8/31/2023 QL SPK value 025 050	S	SeqNo: 36	27742	J	_	RPDLimit	Qual

Qualifiers:

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

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Hall Environmental Analysis Laboratory 4901 Hawkins NE

 $Albuquerque,\,NM\,87109$

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

Sample Log-In Check List

Released to Imaging: 4/8/2025 1:00:45 PM

Client Name:	Animas Environmental Services	Work Order Num	ber: 2308E17		RcptNo: 1	
Received By:	Juan Rojas	8/25/2023 7:10:00	AM	Hansay		
Completed By:	Tracy Casarrubias	8/25/2023 9:55:42	AM			
Reviewed By:	JI 8-25-23					
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						
3. Was an attem	pt made to cool the samples	s?	Yes 🗹	No 🗌	NA \square	
4. Were all samp	les received at a temperatu	re of >0° C to 6.0°C	Yes 🗸	No 🗌	NA 🗆	
5. Sample(s) in p	proper container(s)?		Yes 🗹	No 🗌		
6. Sufficient sam	ple volume for indicated test	(s)?	Yes 🗸	No 🗌		
7. Are samples (e	except VOA and ONG) prop	erly preserved?	Yes 🗹	No 🗌		
8. Was preservat	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	nple containers received bro	ken?	Yes	No 🗹	# of preserved	
	rk match bottle labels?		Yes 🗹	No 🗌	bottles checked for pH: (<2 or >12 unless note	d)
12. Are matrices c	orrectly identified on Chain	of Custody?	Yes 🗹	No 🗌	Adjusted?	1
13. Is it clear what	analyses were requested?		Yes 🗹	No 🗌	1 Mm 8/2	1/5
	ng times able to be met? ustomer for authorization.)		Yes 🔽	No 🗌	Checked by: JUI 0/10	10
Special Handli	ing (if applicable)					
15. Was client no	tified of all discrepancies wil	h this order?	Yes 🗌	No 🗌	NA 🗹	
Person	Notified:	Date				
By Who	m:	Via:	eMail F	Phone Fax	In Person	
Regardi	ng:					
Client In	structions:		and the second second second second			
16. Additional rer	narks:		•			
17. Cooler Inform	<u>mation</u>					
Cooler No	Temp °C Condition	Seal Intact Seal No	Seal Date	Signed By		
1	3.8 Good	'es Yogi				

C	hain	of-Cu	ustody Record	Turn-Around Tir	ne:			51			AI		NI 1/1	RO	BIB	I E N		
Client:		Animas E	nvironmental Services		□ Rus	h								LAI			3.0.5	
				Project Name:					25					al.com		KA		KI
Mailing	Address	3:	P.O. Box 8	BMG L	andfarm - V2	z soil samples		49	01 H	awkins)		
	Fai	rmington,	NM 87499-0008	Project #:						5-345-				-345-4				
Phone	#:	720-537	-6650		AES 040	305			311 00		-	nalysi						
email o	r Fax#:	atodd@a	animasenvironmental.com	Project Manager	r:			Q										
QA/QC Sta	Package: ndard		☐ Level 4 (Full Validation)		Angela To	odd		TPH GRO/DRO/MRO via EPA8015M/D	0.00									
Accred	tation:	□ Az Co	mpliance	Sampler:			7218	via El	via Method 300.0									
□ NEL		□ Other		On Ice:	E Yes	□ No	1 8 p	RO	ethc									
	(Type)	T		# of Coolers:	1	Ucqi	딅	NO.	ğ									
				Cooler Temp(inclu	ding CF).	8-0=3.8	Ž	YO.	is vi									
Date	Time	Matrix	Sample Name	Container Type and #	Preservativ e Type	HEAL No. 2308E17	BTEX via Method 8021B	TPH GR(Chlorides									
3-23-23	9:51	Soil	Cell #1 VZ DS-1	1 - 4 oz jar	Cool	001	X	Х	X		\Box				_	_	\top	
3-23-23	10:21	Soil	Cell #2 VZ DS-1	1 - 4 oz jar	Cool	007	Х	Х	Х		П				1			
8-23-23		Soil	Cell #3 VZ DS-1	1 - 4 oz jar	Cool	003	Х	Х	Х									
123-23	11:28	Soil	Cell #4 VZ DS-1	1 - 4 oz jar	Cool	004	X	Х	Х						\blacksquare			
										\pm								
		<u> </u>	<u> </u>				_		-	-		_	+		\vdash		_	
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					•			П			\Box				1	\neg	\dashv	\top
174/97 Date:	Time:		~ ~~		ia: Notes	Date Time 355	1	narks		ct-bil	l this	s pro	ect t	о ВМ	G.			
Date: 1	Time54	Relinquishe	ed by:	121	ia: Durier 8	Date Time						•						



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

December 29, 2023

Angela Todd Animas Environmental Services 624 E. Comanche Farmington, NM 87401

TEL: (505) 564-2281 FAX: (505) 324-2022

RE: BMG Landfarm OrderNo.: 2312023

Dear Angela Todd:

Eurofins Environment Testing South Central, LLC received 5 sample(s) on 12/1/2023 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 Freeman

Laboratory Manager

Only

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 12/29/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: MW-1

 Project:
 BMG Landfarm
 Collection Date: 11/29/2023 12:31:00 PM

 Lab ID:
 2312023-001
 Matrix: GROUNDWA
 Received Date: 12/1/2023 7:26:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: JTT
Chloride	55	2.5		mg/L	5	12/1/2023 7:40:23 PM	R101547
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analys	t: KS
Total Dissolved Solids	740	250	*D	mg/L	1	12/7/2023 4:14:00 PM	79174
EPA METHOD 8015M/D: DIESEL RANGE						Analys	t: DGH
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/4/2023 10:02:53 PM	79115
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/4/2023 10:02:53 PM	79115
Surr: DNOP	139	54.5-177		%Rec	1	12/4/2023 10:02:53 PM	79115
EPA METHOD 8015D: GASOLINE RANGE						Analys	t: RAA
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/4/2023 5:07:00 PM	GW1015
Surr: BFB	96.8	15-270		%Rec	1	12/4/2023 5:07:00 PM	GW1015
EPA METHOD 8021B: VOLATILES						Analys	t: RAA
Benzene	ND	1.0		μg/L	1	12/4/2023 5:07:00 PM	R101579
Toluene	ND	1.0		μg/L	1	12/4/2023 5:07:00 PM	R101579
Ethylbenzene	ND	1.0		μg/L	1	12/4/2023 5:07:00 PM	R101579
Xylenes, Total	ND	2.0		μg/L	1	12/4/2023 5:07:00 PM	R101579
Surr: 4-Bromofluorobenzene	95.9	52.4-148		%Rec	1	12/4/2023 5:07:00 PM	R101579

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

Qualifiers:

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

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Analytical Report

Lab Order **2312023**Date Reported: **12/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: MW-2

 Project:
 BMG Landfarm
 Collection Date: 11/29/2023 1:43:00 PM

 Lab ID:
 2312023-002
 Matrix: GROUNDWA
 Received Date: 12/1/2023 7:26:00 AM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JTT
Chloride	150	10	mg/L	20	12/1/2023 8:18:59 PM	R101547
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analys	t: KS
Total Dissolved Solids	704	100	*D mg/L	1	12/7/2023 4:14:00 PM	79174
EPA METHOD 8015M/D: DIESEL RANGE					Analys	t: DGH
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	12/4/2023 10:26:23 PM	79115
Motor Oil Range Organics (MRO)	ND	5.0	mg/L	1	12/4/2023 10:26:23 PM	79115
Surr: DNOP	139	54.5-177	%Rec	1	12/4/2023 10:26:23 PM	79115
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	12/4/2023 6:12:00 PM	GW1015
Surr: BFB	99.6	15-270	%Rec	1	12/4/2023 6:12:00 PM	GW1015
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	1.0	μg/L	1	12/4/2023 6:12:00 PM	R101579
Toluene	ND	1.0	μg/L	1	12/4/2023 6:12:00 PM	R101579
Ethylbenzene	ND	1.0	μg/L	1	12/4/2023 6:12:00 PM	R101579
Xylenes, Total	ND	2.0	μg/L	1	12/4/2023 6:12:00 PM	R101579
Surr: 4-Bromofluorobenzene	96.6	52.4-148	%Rec	1	12/4/2023 6:12:00 PM	R101579

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

Qualifiers:

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

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Date Reported: 12/29/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: MW-3

 Project:
 BMG Landfarm
 Collection Date: 11/29/2023 1:17:00 PM

 Lab ID:
 2312023-003
 Matrix: GROUNDWA
 Received Date: 12/1/2023 7:26:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JTT
Chloride	410	25	*	mg/L	50	12/15/2023 10:52:39 AN	1 R101873
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	1240	250	*D	mg/L	1	12/7/2023 4:14:00 PM	79174
EPA METHOD 8015M/D: DIESEL RANGE						Analyst	: DGH
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/4/2023 10:49:52 PM	79115
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/4/2023 10:49:52 PM	79115
Surr: DNOP	139	54.5-177		%Rec	1	12/4/2023 10:49:52 PM	79115
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: RAA
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/4/2023 6:55:00 PM	GW1015
Surr: BFB	107	15-270		%Rec	1	12/4/2023 6:55:00 PM	GW1015
EPA METHOD 8021B: VOLATILES						Analyst	: RAA
Benzene	ND	1.0		μg/L	1	12/4/2023 6:55:00 PM	R101579
Toluene	ND	1.0		μg/L	1	12/4/2023 6:55:00 PM	R101579
Ethylbenzene	ND	1.0		μg/L	1	12/4/2023 6:55:00 PM	R101579
Xylenes, Total	ND	2.0		μg/L	1	12/4/2023 6:55:00 PM	R101579
Surr: 4-Bromofluorobenzene	98.4	52.4-148		%Rec	1	12/4/2023 6:55:00 PM	R101579

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

Qualifiers:

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

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Analytical Report

Lab Order **2312023**Date Reported: **12/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: MW-4

 Project:
 BMG Landfarm
 Collection Date: 11/29/2023 12:59:00 PM

 Lab ID:
 2312023-004
 Matrix: GROUNDWA
 Received Date: 12/1/2023 7:26:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: JTT
Chloride	110	10		mg/L	20	12/1/2023 9:36:12 PM	R101547
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analys	t: KS
Total Dissolved Solids	723	50.0	*	mg/L	1	12/7/2023 4:14:00 PM	79174
EPA METHOD 8015M/D: DIESEL RANGE						Analys	t: DGH
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/4/2023 11:13:19 PM	79115
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/4/2023 11:13:19 PM	79115
Surr: DNOP	133	54.5-177		%Rec	1	12/4/2023 11:13:19 PM	79115
EPA METHOD 8015D: GASOLINE RANGE						Analys	t: RAA
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/4/2023 7:17:00 PM	GW 1015
Surr: BFB	99.4	15-270		%Rec	1	12/4/2023 7:17:00 PM	GW1015
EPA METHOD 8021B: VOLATILES						Analys	t: RAA
Benzene	ND	1.0		μg/L	1	12/4/2023 7:17:00 PM	R101579
Toluene	ND	1.0		μg/L	1	12/4/2023 7:17:00 PM	R101579
Ethylbenzene	ND	1.0		μg/L	1	12/4/2023 7:17:00 PM	R101579
Xylenes, Total	ND	2.0		μg/L	1	12/4/2023 7:17:00 PM	R101579
Surr: 4-Bromofluorobenzene	96.8	52.4-148		%Rec	1	12/4/2023 7:17:00 PM	R101579

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

Qualifiers:

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

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Date Reported: 12/29/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: Trip Blank

Project: BMG Landfarm Collection Date:

Lab ID: 2312023-005 **Matrix:** TRIP BLANK **Received Date:** 12/1/2023 7:26:00 AM

Analyses	Result	RL Qu	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	1.0	μg/L	1	12/4/2023 7:38:00 PM	R101579
Toluene	ND	1.0	μg/L	1	12/4/2023 7:38:00 PM	R101579
Ethylbenzene	ND	1.0	μg/L	1	12/4/2023 7:38:00 PM	R101579
Xylenes, Total	ND	2.0	μg/L	1	12/4/2023 7:38:00 PM	R101579
Surr: 4-Bromofluorobenzene	99.6	52.4-148	%Rec	1	12/4/2023 7:38:00 PM	R101579

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2312023**

29-Dec-23

Client: Animas Environmental Services

Project: BMG Landfarm

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

Client ID: PBW Batch ID: R101547 RunNo: 101547

Prep Date: Analysis Date: 12/1/2023 SeqNo: 3738674 Units: mg/L

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

Chloride ND 0.50

Sample ID: LCS SampType: LCS TestCode: EPA Method 300.0: Anions Client ID: LCSW Batch ID: R101547 RunNo: 101547 Prep Date: Analysis Date: 12/1/2023 SeqNo: 3738675 Units: mg/L %RPD **RPDLimit** Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit Qual

Chloride 4.8 0.50 5.000 0 95.3 90 110

Sample ID: MB SampType: MBLK TestCode: EPA Method 300.0: Anions Client ID: Batch ID: R101873 RunNo: 101873 Prep Date: Analysis Date: 12/15/2023 SeqNo: 3756389 Units: mg/L Result POI SPK value SPK Ref Val %REC %RPD **RPDLimit** Qual Analyte I owl imit HighLimit

Chloride ND 0.50

Sample ID: LCS

SampType: LCS

TestCode: EPA Method 300.0: Anions

Client ID: LCSW

Batch ID: R101873

Prep Date:

Analysis Date: 12/15/2023

SeqNo: 3756390

Units: mg/L

Analyte Result **PQL** SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual LowLimit Chloride 4.9 0.50 5.000 97.2 90

Sample ID: MB SampType: MBLK TestCode: EPA Method 300.0: Anions Client ID: Batch ID: R101873 RunNo: 101873 PRW Prep Date: Analysis Date: 12/15/2023 SeqNo: 3756424 Units: ma/L SPK value SPK Ref Val **RPDLimit** Analyte Result PQL %REC LowLimit HighLimit %RPD Qual

Chloride ND 0.50

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

Client ID: LCSW Batch ID: R101873 RunNo: 101873

Prep Date: Analysis Date: 12/15/2023 SeqNo: 3756425 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride 4.8 0.50 5.000 0 96.7 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2312023**

29-Dec-23

Client: Animas Environmental Services

Project: BMG Landfarm

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

Client ID: PBW Batch ID: R101873 RunNo: 101873

Prep Date: Analysis Date: 12/15/2023 SeqNo: 3756452 Units: mg/L

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

Chloride ND 0.50

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

Client ID: LCSW Batch ID: R101873 RunNo: 101873

Prep Date: Analysis Date: 12/15/2023 SeqNo: 3756453 Units: mg/L

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

Chloride 4.9 0.50 5.000 0 97.5 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2312023**

29-Dec-23

Client: Animas Environmental Services

Project:	BMG Lar	ıdfarm									
Sample ID:	MB-79115	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Die:	sel Range		
Client ID:	PBW	Batch	1D: 79	115	F	RunNo: 10	01583				
Prep Date:	12/4/2023	Analysis D	ate: 12	2/4/2023	5	SeqNo: 37	740844	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	rganics (DRO)	ND	1.0								
√lotor Oil Range	e Organics (MRO)	ND	5.0								
Surr: DNOP		0.67		0.5000		134	54.5	177			
Sample ID:	LCS-79115	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die:	sel Range		
Client ID:	LCSW	Batch	ı ID: 79 ′	115	F	RunNo: 10	01583				
Prep Date:	12/4/2023	Analysis D	ate: 12	2/4/2023	\$	SeqNo: 37	740845	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	rganics (DRO)	3.3	1.0	2.500	0	132	57	147			
Surr: DNOP		0.32		0.2500		130	54.5	177			
Sample ID:	2312023-004BMS	SampT	ype: MS	3	Tes	tCode: EF	PA Method	8015M/D: Die:	sel Range		
Client ID:	MW-4	Batch	ı ID: 79 ′	115	F	RunNo: 10	01583				
Prep Date:	12/4/2023	Analysis D	ate: 12	2/4/2023	5	SeqNo: 37	740860	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	rganics (DRO)	3.4	1.0	2.500	0	137	47.3	147			
Surr: DNOP		0.33		0.2500		133	54.5	177			
Sample ID:	2312023-004BMSD	SampT	ype: MS	SD	Tes	tCode: EF	PA Method	8015M/D: Die:	sel Range		
Client ID:	MW-4	Batch	1D: 79	115	F	RunNo: 10	01583				
Prep Date:	12/4/2023	Analysis D	ate: 12	2/5/2023	\$	SeqNo: 37	740861	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	rganics (DRO)	3.5	1.0	2.500	0	142	47.3	147	3.24	20	
Surr: DNOP		0.34		0.2500		135	54.5	177	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
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: 2312023 29-Dec-23

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID: 2.5ug gro Ics	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gasoli	ne Range		
Client ID: LCSW	Batch	ID: GV	V101579	F	RunNo: 10	01579				
Prep Date:	Analysis D	ate: 12	/4/2023	9	SeqNo: 37	741429	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.46	0.050	0.5000	0	91.2	70	130			
Surr: BFB	43		20.00		217	15	270			
Sample ID: mb	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gasoli	ne Range		
Client ID: PBW	Batch	ID: GV	V101579	F	RunNo: 10	01579				
Prep Date:	Analysis D	ate: 12	/4/2023	S	SeqNo: 37	741432	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	0.050								
Surr: BFB	21		20.00		106	15	270			
Sample ID: 2312023-001ams	SampT	ype: MS	;	Tes	tCode: EF	PA Method	8015D: Gasoli	ne Range		
Client ID: MW-1	Batch	ID: GV	V101579	F	RunNo: 10	01579				
Prep Date:	Analysis D	ate: 12	/4/2023	5	SeqNo: 37	741435	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.44	0.050	0.5000	0	87.7	41.2	148			
			20.00		218	15	270			

Sample ID: 2312023-001amsd	Samp ⁻	Гуре: М S	SD .	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range	•	
Client ID: MW-1	Batc	h ID: GV	V101579	F	RunNo: 10	01579				
Prep Date:	Analysis [Date: 12	2/4/2023	5	SeqNo: 37	741437	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.44	0.050	0.5000	0	88.5	41.2	148	0.908	20	
Surr: BFB	44		20.00		220	15	270	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
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2312023**

29-Dec-23

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID: 100ng btex Ics	Samp	SampType: LCS TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSW	Batcl	n ID: R1	01579	F	RunNo: 10	01579				
Prep Date:	Analysis [Date: 12	/4/2023	5	SeqNo: 37	741668	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	106	70	130			
Toluene	21	1.0	20.00	0	106	70	130			
Ethylbenzene	22	1.0	20.00	0	108	70	130			
Xylenes, Total	65	2.0	60.00	0	109	70	130			
Surr: 4-Bromofluorobenzene	21		20.00		104	52.4	148			

Sample ID: mb	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBW	Batch	1D: R1	01579	F	RunNo: 10	01579				
Prep Date:	Analysis D)ate: 12	/4/2023	5	SeqNo: 37	741669	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 4-Bromofluorobenzene	21		20.00		103	52.4	148			

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2312023**

29-Dec-23

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID: MB-79174 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 79174 RunNo: 101684

Prep Date: 12/6/2023 Analysis Date: 12/7/2023 SeqNo: 3745622 Units: mq/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-79174 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: **LCSW** Batch ID: **79174** RunNo: **101684**

Prep Date: 12/6/2023 Analysis Date: 12/7/2023 SeqNo: 3745623 Units: mg/L

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

Total Dissolved Solids 1070 50.0 1000 0 107 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Environment Testin

Eurofins Environment Testing South Central, LLC 4901 Hawkins NE

Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Sample Log-In Check List

Website: www.hallenvironmental.com Client Name: **Animas Environmental** Work Order Number: 2312023 RcptNo: 1 Received By: **Cheyenne Cason** 12/1/2023 7:26:00 AM Completed By: **Cheyenne Cason** 12/1/2023 9:55:33 AM 7n12/1/23 Reviewed By: Chain of Custody Not Present Yes 🗹 No 🔲 1. Is Chain of Custody complete? 2. How was the sample delivered? Client Log In No 🗌 NA 🗌 Yes 🗹 3. Was an attempt made to cool the samples? No 🗌 NA 🗆 4. Were all samples received at a temperature of >0° C to 6.0°C Yes 🗹 5. Sample(s) in proper container(s)? Yes 🔽 No 🗆 No 🗌 6. Sufficient sample volume for indicated test(s)? Yes 🔽 Yes 🗹 No 🗌 7. Are samples (except VOA and ONG) properly preserved? NA 🗌 No 🗹 Yes 🗌 8. Was preservative added to bottles? No 🗌 NA 🗌 Yes 🗸 Received at least 1 vial with headspace <1/4" for AQ VOA? Yes □ No 🔽 10. Were any sample containers received broken? # of preserved bottles checked Yes 🔽 No 🗌 for pH: 11. Does paperwork match bottle labels? (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? No 🗆 12. Are matrices correctly identified on Chain of Custody? Yes 🗹 No 🗆 Yes 🗸 13. Is it clear what analyses were requested? No 🔲 Checked by Yes 🗹 14. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) NA 🔽 Yes 🗌 No 🗌 15. Was client notified of all discrepancies with this order? Person Notified: Date: eMail Phone Fax In Person By Whom: Regarding:

Additional remarks:

Client Instructions:

17. Cooler Information

Received by OCD: 3/6/2024 10:51:20 AM

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.9	Good	Not Present	Yogi		W
2	0.5	Good	Not Present	Yogi		

Page 125 of 135
HALL ENVIRONMENTAL ANALYSIS LABORATORY 4901 Hawkins NE - Albuquerque, NM 87109 Fax 505-345-4107 www.hallenvironmental.com Analysis Request Tel. 505-345-3975 × × × × Total Dissolved Solids via SM2540C × Chlorides via EPA300.0 × × × Remarks: × × × × PH GRO / DRO / MRO via EPA8015M/D × × × BTEX via Method 8021 × HEAL No. 23 12023 20.2 4.8+0.1=0 8 200 803 3 K Cooler Temp(including CF): 0. 4 +0.1 **BMG Landfarm AES 040605** Angela Todd Rush Preservativ e Type 2-None 5-HgCl2 2-None 5-HgCl2 2-None 5-HgCl2 2-None 5-HgCl2 900 000 000 000 000 Se Y Ka Turn-Around Time: (5) 40 mL glass (1) 250 mL amber glass Container Type (1) 250 mL amber glass (1) 250 mL amber glass (1) 250 mL amber glass Project Manager (1) 250 mL plastic (1) 250 mL plastic (1) 250 mL plastic (1) 250 mL plastic (5) 40 mL glass (5) 40 mL glass (2) 40 mL glass (5) 40 mL glass Project Name: Standard # of Coolers: and # Received by: Project #: Sampler: On Ice: X □ Level 4 (Full Validation) atodd@animasenvironmental.com Sample Name eceive Mala - 3f-Custday Record Animas Environmental Services Trip Blank **MW-2** MW-3 MW-4 MW-1 Farmington, NM 87499-0008 P.O. Box 8 ☐ Az Compliance 720-537-6650 Relinquished by: Matrix Other _ Ø გ 8 ≥ Mailing Address: 1343 4521 Email or Fax#: QA/QC Package: 1317 Time EDD (Type) Accreditation: X Standard 122 Time: □ NELAC Phone #: 11-29-23 Client: Date

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report. John X.

2270

121125

Colm

Sac

Received by:

Relinquished by:

1439

Please direct-bill this project to BMG.

* Per Sample 13dt Mes - come 12/1123



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

December 11, 2023

Angela Todd
Animas Environmental Services
624 E. Comanche

Farmington, NM 87401 TEL: (505) 564-2281 FAX: (505) 324-2022

RE: BMG Landfarm VZ Soil Samples OrderNo.: 2312038

Dear Angela Todd:

Eurofins Environment Testing South Central, LLC received 4 sample(s) on 12/1/2023 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 Freeman

Laboratory Manager

Only

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 12/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: Cell #1 VZ DS-1

Project: BMG Landfarm VZ Soil Samples
 Collection Date: 11/29/2023 10:44:00 AM

 Lab ID: 2312038-001
 Matrix: SOIL
 Received Date: 12/1/2023 7:26:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	: DGH
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	12/6/2023 1:08:06 PM	79166
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	12/6/2023 1:08:06 PM	79166
Surr: DNOP	79.6	69-147	%Rec	1	12/6/2023 1:08:06 PM	79166
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: JJP
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	12/6/2023 3:18:58 PM	79162
Surr: BFB	94.8	15-244	%Rec	1	12/6/2023 3:18:58 PM	79162

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.
- 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

Date Reported: 12/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: Cell #2 VZ DS-1

Project:BMG Landfarm VZ Soil SamplesCollection Date: 11/29/2023 11:00:00 AMLab ID:2312038-002Matrix: SOILReceived Date: 12/1/2023 7:26:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analys	t: DGH
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	12/6/2023 1:18:43 PM	79166
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	12/6/2023 1:18:43 PM	79166
Surr: DNOP	93.3	69-147	%Rec	1	12/6/2023 1:18:43 PM	79166
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	12/6/2023 3:42:21 PM	79162
Surr: BFB	95.1	15-244	%Rec	1	12/6/2023 3:42:21 PM	79162

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.
- 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

Date Reported: 12/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: Cell #3 VZ DS-1

Project:BMG Landfarm VZ Soil SamplesCollection Date: 11/29/2023 11:16:00 AMLab ID:2312038-003Matrix: SOILReceived Date: 12/1/2023 7:26:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analys	t: DGH
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	12/6/2023 1:29:21 PM	79166
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	12/6/2023 1:29:21 PM	79166
Surr: DNOP	82.3	69-147	%Rec	1	12/6/2023 1:29:21 PM	79166
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/6/2023 4:05:48 PM	79162
Surr: BFB	91.7	15-244	%Rec	1	12/6/2023 4:05:48 PM	79162

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.
- 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

Date Reported: 12/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: Cell #4 VZ DS-1

Project: BMG Landfarm VZ Soil Samples **Collection Date:** 11/29/2023 11:31:00 AM Lab ID: 2312038-004 Matrix: SOIL **Received Date:** 12/1/2023 7:26:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analysi	: DGH
Diesel Range Organics (DRO)	ND	8.5	mg/Kg	1	12/6/2023 1:40:02 PM	79166
Motor Oil Range Organics (MRO)	ND	42	mg/Kg	1	12/6/2023 1:40:02 PM	79166
Surr: DNOP	92.6	69-147	%Rec	1	12/6/2023 1:40:02 PM	79166
EPA METHOD 8015D: GASOLINE RANGE					Analyst	t: JJP
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	12/6/2023 4:29:21 PM	79162
Surr: BFB	90.4	15-244	%Rec	1	12/6/2023 4:29:21 PM	79162

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

Hall Environmental Analysis Laboratory, Inc.

2312038 11-Dec-23

WO#:

Client: Animas Environmental Services
Project: BMG Landfarm VZ Soil Samples

Sample ID: LCS-79166	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch	n ID: 79 1	166	RunNo: 101659						
Prep Date: 12/5/2023	Analysis D	Analysis Date: 12/6/2023 SeqNo: 3744237 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	91.3	61.9	130			
Surr: DNOP	4.5		5.000		90.1	69	147			

Sample ID: MB-79166	Samp1	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batcl	n ID: 79 ′	166	F	RunNo: 10	01659				
Prep Date: 12/5/2023	Analysis D	Date: 12	2/6/2023	5	SeqNo: 3	744239	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		108	69	147			

- 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

Hall Environmental Analysis Laboratory, Inc.

WO#: 2312038 11-Dec-23

Client: Animas Environmental Services **Project:** BMG Landfarm VZ Soil Samples

Sample ID: Ics-79162 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 79162 RunNo: 101655 Units: mg/Kg Prep Date: 12/5/2023 Analysis Date: 12/6/2023 SeqNo: 3744203 PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte Result LowLimit Gasoline Range Organics (GRO) 20 5.0 25.00 0 80.5 70 130 Surr: BFB 1800 1000 179 15 244

Sample ID: mb-79162 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 79162 RunNo: 101655 Prep Date: 12/5/2023 Analysis Date: 12/6/2023 SeqNo: 3744205 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual ND 5.0

Gasoline Range Organics (GRO) Surr: BFB

890

1000

88.5

15

244

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

Analyte detected in the associated Method Blank

Е Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit

Environment Testin

Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109

Sample Log-In Check List

Released to Imaging: 4/8/2025 1:00:45 PM

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

Clien	t Name:	Animas Env	ironmental	Work	Order Num	ber: 2312038		RcptNo: 1
Recei	ived By:	Cheyenne	Cason	12/1/202	23 7:26:00	AM	Chul	
Comp	oleted By:	Cheyenne	Cason	12/1/202	23 10:49:39	AM .	Chul	
Revie	wed By:	11/12-	1-23					
Chair	n of Cust	odv						
		stody comple	ete?			Yes 🗹	No 🗌	Not Present
2. Ho	w was the s	ample delive	ered?			Client		
Log	<u>In</u>							*
3. Wa	as an attemp	ot made to co	ool the sampl	es?		Yes 🗹	No 🗌	na 🗆
4. We	ere all sampl	les received	at a temperat	ture of >0° C	o 6.0°C	Yes 🗹	No 🗆	na 🗆
5. Sa	mple(s) in p	roper contair	ner(s)?			Yes 🗹	No 🗌	
6. Sut	fficient samp	ole volume fo	or indicated te	est(s)?		Yes 🗹	No 🗌	
7. Are	samples (e	except VOA a	and ONG) pro	perly preserve	ed?	Yes 🗹	No 🗌	
8. Wa	as preservati	ive added to	bottles?			Yes 🗌	No 🗹	NA 🗌
9. Re	ceived at lea	ast 1 vial with	n headspace	<1/4" for AQ V	OA?	Yes 🗌	No 🗆	NA 🗹
10. W	ere any sam	ple containe	rs received b	roken?		Yes 🗆	No 🗹	# of preserved
44 p.		d t. l. t u	W- 1-11-0			Yes 🗸	No 🗆	bottles checked for pH:
		rk match boti ncies on cha	tie labels? iin of custody)		res 💌	140	(<2 or >12 unless noted
				n of Custody?		Yes 🗹	No 🗆	Adjusted?
13. ls i	t clear what	analyses we	ere requested	?		Yes 🗹	No 🗌	Kam 12/1
		g times able stomer for a	to be met? uthorization.)			Yes 🗹	No 🗌	Checked by SCIT IF I
Speci	ial Handli	ng (if app	licable)					
				with this order	>	Yes 🗌	No 🗆	NA 🗹
	Person I	Notified:			Date	:]		
	By Who	m: J			Via:	eMail	Phone 🗌 Fax	☐ In Person
	Regardi							
	Client In	structions:						
16. a	dditional rer	narks:						
17. <u>c</u>	ooler Infon		\$	4				ğ.
	Cooler No	Temp °C 4.9	Condition Good	Seal Intact Not Present	Seal No	Seal Date	Signed By	
3	1	:A CI						

Cilent: Animas Environmental Services Standard Rush Project Name:	С	hain	of-Cu	stody Record	Turn-Around Tin	ne:			10		н	114	FN	IVI	RO	NI	1FD	UT.	11
Project Name:	Client:	1	Animas Ei	nvironmental Services	Standard Standard	□ Rush	1	_	200										
Mailing Address: P.O. Box 8 BMG Landfarm - VZ soil samples 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Tel. 505-345-3975 Tel. 505-345-345-3975 Tel. 505-345-3975 Tel. 505-345-3975 Tel. 505-345-34					Project Name:					24							-		
Farmington, NM 87499-0008	Mailing	Address	···	P.O. Box 8	BMG L	andfarm - V <i>7</i>	soil samples		4004								0		
Phone #: 720-537-6650	iviaiiiig					31.010		-									9		
email or Fax#: atodd@animasenvironmental.com QA/QC Package: Standard					1, 10,000	A F.O. 0.400	205		l el.	505-3	45-39		7000	7.00		107	*		
Angela Todd □ Level 4 (Full Validation) □ Accreditation: □ Az Compliance □ NELAC □ Other □ On Ice: □ Yes □ No You to Determine Matrix □ Cooler Tempendurage; O. U + O. I = O.5 □ Container Type and # e Type 2312038 □ Fine: □ Soil □ Cell #1 VZ DS-1 □ 1-4 oz jar □ Cool □ ZZ □ X □ III Soil □ Cell #3 VZ DS-1 □ 1-4 oz jar □ Cool □ ZZ □ X □ III Soil □ Cell #4 VZ DS-1 □ 1-4 oz jar □ Cool □ ZZ □ X □ III Soil □ Cell #4 VZ DS-1 □ 1-4 oz jar □ Cool □ ZZ □ X □ III Soil □ Cell #4 VZ DS-1 □ 1-4 oz jar □ Cool □ ZZ □ X □ □ III Soil □ Cell #4 VZ DS-1 □ 1-4 oz jar □ Cool □ ZZ □ X □ III Soil □ Cell #4 VZ □ Cell #							005		-			An	alysis	Req	uest	-			
Accreditation: Az Compliance Sampler: 01/70 Sell Received by: Via: Oate Time Az Compliance On Ice: PYes No Yes Oate Time Oate T	email o	r Fax#:	atodd@a	animasenvironmental.com	Project Manage			Q/W											
Accreditation: Az Compliance Sampler: 01/70 Sell Received by: Via: Oate Time Az Compliance On Ice: PYes No Yes Oate Time Oate T	l	_		☐ Level 4 (Full Validation)		Angela To	odd	PA8015											
□ NELAC □ Other □ On Ice: □ Yes □ No You □ Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	Accredi	tation:	☐ Az Co	mpliance	Sampler:	01/50		la E											
Date Time Matrix Sample Name Cooler Templinducing CF): O. H + O. = O.5	l			•	On Ice:		□ No You	က် ကို											
	□ EDD	(Type)			# of Coolers: 7	- 4.810	1=4.90	M/O											
					Cooler Temp(inclu	ding CF): O. U	10.1=0.5	J NG											
	Date	Time	Matrix	Sample Name				TPH GRO											
	11-29-27	10:44	Soil	Cell #1 VZ DS-1	1 - 4 oz jar	Cool		Х											
Date: Time: Relinquished by: Cell #4 VZ DS-1		11:00	Soil	Cell #2 VZ DS-1	1 - 4 oz jar	Cool	ocz	Х											
Date: Time: Relinquished by: Cell #4 VZ DS-1	-	11:16	Soil	Cell #3 VZ DS-1	1 - 4 oz jar	Cool	003	Х											
Date: Time: Relinquished by: Received by: Via: Date Time 1/36/23 1439 Please direct-bill this project to BMG.	4	11:31	Soil	Cell #4 VZ DS-1	1 - 4 oz jar	Cool	bey	Х							\perp		\sqcup		
Date: Time: Relinquished by: Received by: Via: Date Time Received by: Via: Date Time												_	_	1	_	_	\vdash	-	+
Date: Time: Relinquished by: Received by: Via: Date Time Received by: Via: Date Time					ļ			\dashv	-	_		_				-	\vdash	-	-
Date: Time: Relinquished by: Received by: Via: Date Time Received by: Via: Date Time			<u> </u>						_	-	\vdash	-		\vdash		-	┯		-
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Date: Time: Relinquished by: Received by: Via: Date Time 1/36/23 1439 Please direct-bill this project to BMG.								+		+				+	+		\vdash		+
Date: Time: Relinquished by: Received by: Via: Date Time	Date:	1429	/1	20 - W	Received by:	/ia:				lirect	LLL bill:-bill	this	proi	ect i	to BN	/IG.	1		
	Date:	Time:	Relinquish	ed by:	Received by:	/ia:	10010						. ,						
"130/23 13 (cht Walt rue com 12/1/23 0726	30/2	1750	(ch	x Walt	I'me ear	m 121	123 0726												

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Sante Fe Main Office Phone: (505) 476-3441

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 320778

CONDITIONS

Operator:	OGRID:
BENSON-MONTIN-GREER DRILLING CORP	2096
4900 College Blvd.	Action Number:
Farmington, NM 87402	320778
	Action Type:
	[C-137] Non-Fee SWMF Submittal (SWMF NON-FEE SUBMITTAL)

CONDITIONS

Created By		Condition Date
jeffrey.harrison	The Oil Conservation Division (OCD) has completed its review of Benson-Montin-Greer Drilling Corp's (BMG) 2023 Landfarm Annual Monitoring and Sampling Report dated March 5th, 2024, for the facility covered under permit # NM-02-0004. The document has been accepted and retained for records retention purposes only and may contain statements and conclusions which the division does not support or endorse.	4/8/2025