NM2 - _4__

MONITORING REPORT

YEAR(S):

__2014-2018__

April 19, 2019

Jim Griswold
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: Landfarm Monitoring and Sampling Report
2014 through 2018
Permit # NM-02-0004
BMG's Centralized Surface Waste Management Facility
Rio Arriba County, New Mexico

Dear Mr. Griswold:

Between March 2014 and December 2018, Animas Environmental Services, LLC (AES) completed quarterly evaporation pond groundwater monitoring and sampling, landfarm treatment zone sampling, and landfarm vadose zone sampling at the Benson-Montin-Greer Drilling Corporation (BMG) Centralized Surface Waste Management Facility (Landfarm), which is located in the NW¼ NW¼ Section 20, T25N, R1E, Rio Arriba County, New Mexico.

Note that no annual reports were submitted for this time period at the direction of Brad Jones, NMOCD, because background sampling action levels for the Landfarm had not been finalized by NMOCD. Verbal approval by NMOCD of the proposed background action levels was made in June 2018. BMG continued with all required monitoring and sampling while background levels were determined. This report summarizes all activity from 2014 to 2018. Annual reports will be submitted from this point forward.

1.0 Background Sampling

On December 2, 2014, at the request of and in consultation with Brad Jones of the NMOCD, AES personnel collected three background vadose soil composite samples 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.

Samples were submitted for laboratory analysis. Sample locations are included on Figure 1 and Background Soil Sampling Analytical Results are included as Table 1. Verbal

approval of background threshold concentrations was given by Jim Griswold of NMOCD in June 2018.

2.0 Evaporation Pond Groundwater Monitoring and Sampling

2.1 Evaporation Pond Sampling History

In April 2008, AES personnel confirmed the presence of liquid within the Interstitial Well at the Landfarm evaporation pond. 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, 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 69 mil high density polyethylene (HDPE) primary liner over the existing secondary liner in late September 2008.

2.2 Evaporation Pond Monitoring and Sampling

In accordance with the existing Landfarm permit, AES personnel completed water sampling directly from the evaporation pond on:

- December 3, 2014;
- September 24, 2015;
- December 19, 2016;
- December 14, 2017; and
- September 17, 2018.

2.3 Groundwater Monitoring and Sampling

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 Evaporation Pond) was conducted on:

- 2014 - March 31, September 30/October 1, and December 2;
- 2015 - March 26, June 23, September 24, and December 10;
- 2016 - March 4, June 17, September 23, and December 19;
- 2017 - April 13, June 20, September 14, and December 14; and
- 2018 - March 14, June 12, September 17, and December 19.

In addition, groundwater samples were also collected from the Interstitial Well for laboratory analysis on:

- 2014 - March 31 and December 3;
- 2015 - September 24;
- 2016 - September 23 and December 19;
- 2017 - September 14 and December 14; and
- 2018 - March 14, June 12, September 17, and December 19.

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

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per USEPA Method 8021B;
- Total Petroleum Hydrocarbons (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.

2.3.1 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. Depth to water was recorded in the Interstitial Well. All data was recorded on Water Sample Collection Forms. A summary of water quality data is included in Table 2, and Water Sample Collection Forms are included in the Appendix.

2.4 Laboratory Analytical Results

All laboratory analytical results for MW-1 through MW-4 from 2014 through 2018 were below laboratory detection limits for BTEX and TPH (GRO, DRO, and MRO). Laboratory analytical results for the monitor wells and the Interstitial Well from 2014 through December 2018 groundwater samples are presented on Table 3 and on Figures 2A through 2E. Groundwater analytical laboratory reports are included in the Appendix.

3.0 Landfarm Treatment Zone

3.1 Treatment Zone Sample Collection

In accordance with NMAC 19.15.36.15.D and after consultation with NMOCD in 2014, AES personnel collected composite soil samples created from four randomly selected discrete samples at each of Cells 1 through 4 on a semi-annual basis. Samples were collected from 0.5- to 1-foot below the treatment zone (TZ) surface. Sampling dates, periods, cells, IDs, and analysis parameters are included as follows:

Treatment Zone Sampling Information

Cells Sampled	Sampling Date	Sampling Period	No. of Samples	Sample ID	Parameter(s) and USEPA Method(s)
1-3 (composite)	March 31, 2014	Q1 2014	1	Treatment Zone	GRO/DRO/MRO 8015; Chloride 300.0
1-3	May 6, 2014	Q2 2014	3	TZ-Cell #1-#3	TPH 418.1; Chloride 300.0
1-4	September 30, 2014	Q3 2014	4	TZ-Cell #1-#4	GRO/DRO/MRO 8015; Chloride 300.0
	December 2, 2014	Q4 2014	4	TZ-Cell #1-#4	GRO/DRO/MRO 8015; Chloride 300.0
	March 27, 2015	Q1 2015	4	TZ Cell #1-#4	TPH 418.1; Chloride 300.0
	September 24, 2015	Q3 2015	4	Cell #1-#4 TZ CS-1	TPH 418.1; Chloride 300.0
	March 7, 2016	Q1 2016	4	Cell #1-#4 TZ CS-1	TPH 418.1; Chloride 300.0
	September 22, 2016	Q3 2016	4	Cell #1-#4 TZ CS-1	TPH 418.1; Chloride 300.0
	April 13, 2017	Q1 2017	4	Cell #1-#4 TZ CS-1	GRO/DRO/MRO 8015; Chloride 300.0
	September 20, 2017	Q3 2017	4	Cell #1-#4 TZ CS-1	GRO/DRO/MRO 8015; Chloride 300.0
	March 13, 2018	Q1 2018	4	Cell #1-#4 TZ CS-1	GRO/DRO/MRO 8015; Chloride 300.0
	September 17, 2018	Q3 2018	4	Cell #1-#4 TZ CS-1	GRO/DRO/MRO 8015; Chloride 300.0

3.2 Treatment Zone Analytical Results

BTEX and chloride laboratory analytical results were below NMOCD Closure Action Levels in all samples for all sampling events from 2014 to 2018. In contrast, certain Landfarm cells had TPH laboratory analytical results above NMOCD Closure Action Levels (2,500 mg/kg as GRO/DRO/MRO and 500 mg/kg as GRO/DRO), which indicates that treatment zones had not yet reached final remediation levels. TPH concentrations above the closure levels are summarized as follows:

Treatment Zone Closure Exceedance Summary

Cells	Sampling Date	Sampling Period	Closure Exceedance Concentration
1	September 30, 2014	Q3 2014	2,820 mg/kg (as GRO/DRO/MRO)
	December 2, 2014	Q4 2014	9,200 mg/kg (as GRO/DRO/MRO)
	March 27, 2015	Q1 2015	5,600 mg/kg (as GRO/DRO/MRO)
2	September 30, 2014	Q3 2014	530 mg/kg (as GRO/DRO)
	December 2, 2014	Q4 2014	2,606 mg/kg (as GRO/DRO/MRO)
	March 7, 2016	Q1 2016	2,600 mg/kg (as GRO/DRO/MRO)
	September 22, 2016	Q3 2016	4,600 mg/kg (as GRO/DRO/MRO)
	April 13, 2017	Q1 2017	3,100 mg/kg (as GRO/DRO/MRO)
	September 20, 2017	Q3 2017	990 mg/kg (as GRO/DRO)
	March 13, 2018	Q1 2018	3,700 mg/kg (as GRO/DRO/MRO)
3	September 30, 2014	Q3 2014	3,910 mg/kg (as GRO/DRO/MRO)
	March 7, 2016	Q1 2016	2,900 mg/kg (as GRO/DRO/MRO)
	September 20, 2017	Q3 2017	660 mg/kg (as GRO/DRO)
	March 13, 2018	Q1 2018	720 mg/kg (as GRO/DRO)
4	April 13, 2017	Q1 2017	650 mg/kg (as GRO/DRO)

Treatment zone concentrations in Cells 1, 3, and 4 now meet closure criteria for TPH, and BMG will be coordinating with NMOCD and scheduling the sampling of additional parameters in accordance with 19.15.36.15.F(1-5). Treatment zone sample locations from 2014 through 2018 along with TPH and chloride analytical results are presented on Table 4 and on Figures 3A through 3E. Laboratory reports are presented in the Appendix.

4.0 Vadose Zone

4.1 Vadose Zone Sample Collection

In accordance with NMAC 19.15.36.20.A (Transitional Provisions), NMAC 19.15.36.15.E, and the existing permit, samples were collected from each of the four cells (Cells #1 through #4) at depths of 3 to 4 feet below the top of native ground surface. Each sample collection point was filled in with bentonite following sampling. Sampling dates, periods, cells, IDs, and analysis parameters are included as follows:

Vadose Zone Sampling Information

Sampling Period	Sampling Date	Sample ID	Parameter(s) and USEPA Method(s)
Q1 2014	March 31, 2014	VZ Cell #1 through VZ Cell #4	8015 GRO/DRO/MRO; 418.1 TPH; 8021 BTEX
Q2 2014	May 6, 2014	Cell # 1 S-1, Cell # 1 S-2, Cell # 1 S-3, Cell # 1 S-4;	418.1 TPH; 8021 BTEX; 7471 Hg; 300.0 Cl, F, NO3, SO4; 6010 Metals*
Q3 2014	October 1, 2014		418.1 TPH; 8021 BTEX; 300.0 Cl
Q4 2014	December 9, 2014		418.1 TPH; 8021 BTEX; 300.0 Cl
Q1 2015	March 27, 2015		418.1 TPH; 8021 BTEX; 300.0 Cl
Q2 2015	June 24, 2015	Cell # 2 S-1, Cell # 2 S-2, Cell # 2 S-3, Cell # 2 S-4;	8015 GRO/DRO/MRO; 8021 BTEX
Q3 2015	September 24, 2015		8015 GRO/DRO/MRO; 8021 BTEX; 7471 Hg; 300.0 Cl, F, NO3, SO4; 6010 Metals*
Q4 2015	December 9, 2015		8015 GRO/DRO/MRO; 8021 BTEX
Q1 2016	March 7, 2016		418.1 TPH; 8021 BTEX; 300.0 Cl
Q2 2016	June 16, 2016	Cell # 3 S-1, Cell # 3 S-2, Cell # 3 S-3, Cell # 3 S-4;	418.1 TPH; 8021 BTEX; 300.0 Cl
Q3 2016	September 22, 2016		8015 GRO/DRO/MRO; 8021 BTEX; 7471 Hg; 300.0 Cl, F, NO3, SO4; 6010 Metals*
Q4 2016	December 15, 2016		8015 GRO/DRO/MRO; 8021 BTEX
Q1 2017	April 13, 2017		418.1 TPH; 8021 BTEX; 300.0 Cl
Q2 2017	June 22, 2017	Cell # 4 S-1, Cell # 4 S-2, Cell # 4 S-3, Cell # 4 S-4	8015 GRO/DRO/MRO
Q3 2017	September 20, 2017		8015 GRO/DRO/MRO
Q4 2017	December 6, 2017		8015 GRO/DRO/MRO; 7471 Hg; 300.0 Cl, F, NO3, SO4; 6010 Metals*
Q1 2018	March 13, 2018		418.1 TPH; 8021 BTEX; 300.0 Cl
Q2 2018	July 24, 2018		8015 GRO/DRO/MRO; 8021 BTEX
Q3 2018	September 17, 2018		418.1 TPH; 7471 Hg; 300.0 Cl, F, NO3, SO4; 6010 Metals*
Q4 2018	December 19, 2018		8015 GRO/DRO/MRO; 8021 BTEX

*USEPA Method 6010 includes arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver. May 2014 lab analysis also includes copper, iron, manganese, and zinc.

Vadose zone laboratory analytical results from 2014 through July 2018 are summarized in Table 5. Sample locations are presented on Figures 4A through 4E. Laboratory reports are presented in the Appendix.

4.2 Comparison to Background Thresholds

Vadose zone concentrations in all four cells have had concentrations above the NMOCD verbally approved background threshold concentrations for various parameters between 2014 and 2018. Parameters with concentrations above background levels are summarized below:

Total Petroleum Hydrocarbons (TPH) Concentrations Above Background
Background Threshold: 20 mg/kg

Cell	***Highest Concentration (mg/kg)***	***Sample Date***
1	68	12/19/2018
2	870	5/8/2014
3	5,300	3/7/2016
4	No exceedance	--

Chloride Concentrations Above Background
Background Threshold: 25 mg/kg

Cell	***Highest Concentration (mg/kg)***	***Sample Date***
1	730	3/27/2015
2	87	9/24/2015
3	No exceedance	--
4	32	3/13/2018

Fluoride Concentrations Above Background
Background Threshold: 0.6 mg/kg

Cell	***Highest Concentration (mg/kg)***	***Sample Date***
1	2.3	9/24/2015
2	1.6	5/8/2014
3	4.0	9/17/2018
4	3.9	5/6/2014

Nitrate Concentrations Above Background
Background Threshold: 0.3 mg/kg

Cell	***Highest Concentration (mg/kg)***	***Sample Date***
1	20	12/6/2017
2	21	9/22/2016
3	12	12/6/2017
4	15	12/6/2017

Sulfate Concentrations Above Background
Background Threshold: 1.5 mg/kg

Cell	***Highest Concentration (mg/kg)***	***Sample Date***
1	33	9/22/2016
2	230	9/22/2016
3	200	9/24/2015
4	24	9/17/2018

Arsenic Concentrations Above Background
Background Threshold: 2.5 mg/kg

Cell	***Highest Concentration (mg/kg)***	***Sample Date***
1	5.8	12/6/2017
2	3.2	9/17/2018
3	4.7	9/22/2016
4	No exceedance	--

Barium Concentrations Above Background
Background Threshold: 42 mg/kg

Cell	***Highest Concentration (mg/kg)***	***Sample Date***
1	190	12/6/2017
2	130	12/6/2017
3	160	5/8/2014
4	170	9/17/2018

Chromium Concentrations Above Background
Background Threshold: 4.4 mg/kg

Cell	***Highest Concentration (mg/kg)***	***Sample Date***
1	18	12/6/2017
2	9.4	12/6/2017
3	18	5/8/2014
4	18	5/6/2014

Copper Concentrations Above Background
Background Threshold: 3.4 mg/kg

Cell	***Highest Concentration (mg/kg)***	***Sample Date***	***Notes***
1	14	5/6/2014	5 yr sampling program
2	5.7	5/8/2014	5 yr sampling program
3	14	5/8/2014	5 yr sampling program
4	13	5/6/2014	5 yr sampling program

Iron Concentrations Above Background
Background Threshold: 6,500 mg/kg

Cell	***Highest Concentration (mg/kg)***	***Sample Date***	***Notes***
1	20,000	5/6/2014	5 yr sampling program
2	15,000	5/8/2014	5 yr sampling program
3	23,000	5/8/2014	5 yr sampling program
4	22,000	5/6/2014	5 yr sampling program

Lead Concentrations Above Background
Background Threshold: 2.1 mg/kg

Cell	***Highest Concentration (mg/kg)***	***Sample Date***
1	6.1	5/6/2014
2	4.8	9/24/2015
3	6.6	9/24/2015
4	7.1	5/6/2014 and 12/6/2017

Manganese Concentrations Above Background
Background Threshold: 140 mg/kg

Cell	***Highest Concentration (mg/kg)***	***Sample Date***	***Notes***
1	430	5/6/2014	5 yr sampling program
2	290	5/8/2014	5 yr sampling program
3	330	5/8/2014	5 yr sampling program
4	260	5/6/2014	5 yr sampling program

Zinc Concentrations Above Background
Background Threshold: 13 mg/kg

Cell	***Highest Concentration (mg/kg)***	***Sample Date***	***Notes***
1	51	5/6/2014	5 yr sampling program
2	28	5/8/2014	5 yr sampling program
3	53	5/8/2014	5 yr sampling program
4	48	5/6/2014	5 yr sampling program

Note that a Response Action Plan will be developed to address concentrations that exceed background thresholds, but that several parameters are believed to be associated with naturally occurring characteristics of near surface soils. Also note that NMOCD elected to utilize the lowest of the background sample concentrations as threshold concentrations, even though in many instances there was wide variability in reported background concentrations.

5.0 Conclusions and Recommendations

5.1 Conclusions

AES personnel conducted quarterly groundwater and landfarm sampling at the BMG Surface Waste Management Facility between March 2014 and December 2018 and continues to do so into 2019.

Groundwater 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 between 2014 and 2018.

Landfarm treatment zone samples have had TPH concentrations below NMOCD Closure Action Levels for several recent events in Cells 1, 3, and 4. Chloride concentrations were below the applicable NMOCD Closure Action Level for all sampling events between 2014 and 2018.

Vadose zone analytical results reported concentrations exceeding the NMOCD verbally approved background threshold concentrations in all cells for various parameters, including TPH, chloride, fluoride, nitrate, sulfate, arsenic, barium, chromium, copper, iron, lead, manganese, and zinc.

5.2 Recommendations and Scheduled Activities

- **Groundwater** – Quarterly groundwater monitoring and sampling will continue according to the Sampling and Analysis Plan (2008);
- **Treatment Zone** - for Cells 1, 3, and 4, AES recommends completing additional required sampling in consultation with NMOCD for treatment zone closure under NMAC 19.15.36.15.F(1-5);
- **Vadose Zone** - as required in NMAC 19.15.36.15.E(3), 5-year monitoring and sampling in the vadose zone should be scheduled for June 2019 to include a minimum of four randomly selected, independent samples from the vadose zone, for the constituents listed in Subsections A and B of NMAC 20.6.2.3103. Results will be compared to the higher of the PQL or the background soil concentrations to determine whether a release has occurred. AES will coordinate with NMOCD for development and submittal of a response action plan, as required in NMAC 19.15.36.15.E(5).

The next quarterly sampling event at the BMG Landfarm is scheduled for June 2019. BMG and AES will submit a request to have a facility meeting prior to completing sampling in June 2019.

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

Sincerely,

David J. Reese
Environmental Scientist

Elizabeth McNally, P.E.
Principal

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Appendix

Water and Soil Sample Collection Forms and Laboratory Analytical Reports, 2014
Water and Soil Sample Collection Forms and Laboratory Analytical Reports, 2015
Water and Soil Sample Collection Forms and Laboratory Analytical Reports, 2016
Water and Soil Sample Collection Forms and Laboratory Analytical Reports, 2017
Water and Soil Sample Collection Forms and Laboratory Analytical Reports, 2018

cc: Matt Dimond
Benson-Montin-Greer Drilling Corporation
4900 College Blvd
Farmington, NM 87402

Brandon Powell
NM Oil Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

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Tables

TABLE 1
BACKGROUND SOIL SAMPLING ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Parameter	*USEPA Method*	*PQL (mg/kg)* [+]	*BS-SC-1 (mg/kg)*	*BS-SC-2 (mg/kg)*	*BS-SC-3 (mg/kg)*	*Background Value (mg/kg)*
		Date Sampled	12/2/2014	12/2/2014	12/2/2014	
TPH	418.1	20	<20	<20	<20	20
Benzene	8260	0.05	<0.048	<0.048	<0.048	0.05
Toluene	8260	0.05	<0.048	<0.048	<0.048	0.05
Ethylbenzene	8260	0.05	<0.048	<0.048	<0.048	0.05
Xylenes (OMP)	8260	0.05	<0.095	<0.096	<0.096	0.05
Chlorides	300.0	1.5	<7.5*	<1.5	6.1	25
NMAC 20.6.2.3103 (A and B)						
Arsenic	6010B	2.5	<2.5	<2.5	<13*	2.5
Barium	6010B	0.1	42	69	130*	42
Cadmium	6010B	0.1	<0.10	<0.10	<0.52*	0.1
Chromium	6010B	0.3	4.4	4.6	19*	4.4
Hexavalent Chromium	A 3500 Cr D	2	<2.0	<2.0	<2.0	2
Cyanide	9012B		<0.25	<0.25	<0.25	2.5
Fluoride	300.0	0.3	<1.5*	0.59	3.0	0.6
Lead	6010B	0.25	2.1	2.7	8.4*	2.1
Total Mercury	7471	0.03	<0.032	<0.032	<0.033	0.03
Nitrate (NO3 as N)	300.0	0.3	<1.5*	<0.30	0.45	0.3
Selenium	6010B	2.5	<2.5	<2.5	<13*	2.5
Silver	6010B	0.25	<0.25	<0.25	<1.3*	0.25
Uranium	6010B	2	<5.0	<5.1	<26*	5.0
Radioactivity (Combined Radium 226&228)	901.1 Gamma Spec	1.0 pCi/g	1.297	1.592	3.455	1.3
PCBs	8082	0.1	<0.14	<0.14	<0.14	0.1
Carbon Tetrachloride	8260	0.05	<0.048	<0.048	<0.048	0.05
1,2-dichloroethane (EDC)	8260	0.05	<0.048	<0.048	<0.048	0.05
1,1-dichloroethylene (1,1-DCE)	8260	0.05	<0.048	<0.048	<0.048	0.05
1,1,2,2-tetrachloroethylene (PCE)	8260	0.05	<0.048	<0.048	<0.048	0.05
1,1,2-trichloroethylene (TCE)	8260	0.05	<0.048	<0.048	<0.048	0.05
Methylene chloride (chloromethane)	8260	0.15	<0.14	<0.14	<0.14	0.15
Chloroform	8260	0.05	<0.048	<0.048	<0.048	0.05
1,1-dichloroethane	8260	0.05	<0.048	<0.048	<0.048	0.05
Ethylene dibromide (EDB)	8260	0.05	<0.048	<0.048	<0.048	0.05
1,1,1-trichloroethane	8260	0.05	<0.048	<0.048	<0.048	0.05
1,1,2-trichloroethane	8260	0.05	<0.048	<0.048	<0.048	0.05
1,1,2,2-tetrachloroethane	8260	0.05	<0.048	<0.048	<0.048	0.05
Vinyl chloride	8260	0.05	<0.048	<0.048	<0.048	0.05
Total naphthalene	8260	0.1	<0.095	<0.095	<0.095	0.1
1-methylnaphthalene	8260	0.2	<0.19	<0.19	<0.19	0.2
2-methylnaphthalene	8260	0.2	<0.19	<0.19	<0.19	0.2
Benzo-a-pyrene	8310	0.01	<0.010	<0.010	<0.010	0.01
Copper	6010B	0.3	3.4	5.4	14*	3.4
Iron	6010B	2.5	6,500*	10,000*	25,000*	6,500
Magnesium	6010B	25	960	980*	3,100*	na
Manganese	6010B	0.1	140	170	310*	140
Phenols	9066	0.67	<0.67	0.82	<0.67	0.67
Sulfate	300.0	1.5	<7.5*	<1.5	16	1.5
Total Dissolved Solids (TDS)	Cannot be performed on soil	na	na	na	na	
Zinc	6010B	2.5	13	19	56*	13
pH	SM4500 H+B	na	8.42	7.78	7.95	

Notes:

[+]Practical Quantitaion Limit

*Sample was diluted - final PQL is multiplied by Dilution Factor

Samples analyzed at Hall Environmental Analysis Laboratory, Albuquerque, NM

TABLE 2
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA
BMG Landfarm, Rio Arriba County, New Mexico

Well ID	*Date Measured*	*Top of Casing Elevation (ft amsl)*	*Depth to Water (ft)*	*Water Level Elevation (ft amsl)*	*Temp. (˚C)*	*Specific Conduct. (mS)*	*Dissolved Oxygen (mg/L)*	*pH*	*ORP (mV)*
MW-1	29-Mar-13	NS	40.52	-40.52	12.09	0.707	6.60	7.36	20.5
MW-1	01-Jul-13	NS	41.70	-41.70	13.05	0.868	5.06	7.23	225.5
MW-1	09-Oct-13	NS	40.52	-40.52	12.59	0.831	17.23	7.02	205.5
MW-1	31-Mar-14	NS	40.51	-40.51	11.50	0.734	2.52	7.46	167.7
MW-1	30-Sep-14	NS	39.70	-39.70	12.92	0.901	NM	8.29	297.3
MW-1	02-Dec-14	NS	39.59	-39.59	11.66	0.928	NM	8.14	157.3
MW-1	26-Mar-15	NS	39.45	-39.45	11.99	0.853	2.36	7.53	210.9
MW-1	23-Jun-15	NS	39.50	-39.50	14.52	0.993	NM	7.44	127.8
MW-1	24-Sep-15	NS	39.57	-39.57	12.68	0.877	NM	7.30	85.9
MW-1	10-Dec-15	NS	39.39	-39.39	11.79	0.892	4.27	7.80	-192.0
MW-1	04-Mar-16	NS	39.36	-39.36	12.19	0.023	4.18	7.09	188.1
MW-1	17-Jun-16	NS	39.54	-39.54	12.50	1.242	8.79	6.95	118.2
MW-1	23-Sep-16	NS	39.66	-39.66	11.31	1.108	8.59	7.47	167.0
MW-1	19-Dec-16	NS	39.81	-39.81	10.93	0.995	5.06	7.59	168.6
MW-1	13-Apr-17	NS	39.82	-39.82	NM	NM	NM	NM	NM
MW-1	20-Jun-17	NS	39.88	-39.88	13.23	1.017	5.95	7.35	130.2
MW-1	14-Sep-17	NS	39.95	-39.95	14.11	1.007	7.90	7.35	190.8
MW-1	14-Dec-17	NS	39.64	-39.64	10.09	1.027	4.87	7.56	159.8
MW-1	14-Mar-18	NS	39.70	-39.70	12.09	0.832	6.10	7.52	87.8
MW-1	12-Jun-18	NS	39.93	-39.93	12.3	0.79	4.64	7.23	148.5
MW-1	17-Sep-18	NS	40.02	-40.02	12.7	0.686	4.86	7.49	153.3
MW-1	19-Dec-18	NS	40.12	-40.12	11.5	0.565	3.13	7.55	154.4

TABLE 2
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA
BMG Landfarm, Rio Arriba County, New Mexico

Well ID	*Date Measured*	*Top of Casing Elevation (ft amsl)*	*Depth to Water (ft)*	*Water Level Elevation (ft amsl)*	*Temp. (˚C)*	*Specific Conduct. (mS)*	*Dissolved Oxygen (mg/L)*	*pH*	*ORP (mV)*
MW-2	29-Mar-13	NS	41.54	-41.54	11.84	1.268	3.74	7.42	20.4
MW-2	01-Jul-13	NS	41.70	-41.70	16.20	0.855	4.83	7.46	175.5
MW-2	09-Oct-13	NS	41.56	-41.56	11.89	0.830	17.26	6.96	208.9
MW-2	31-Mar-14	NS	41.70	-41.70	11.56	0.760	5.51	7.63	94.7
MW-2	01-Oct-14	NS	40.82	-40.82	11.36	0.947	NM	8.18	294.0
MW-2	02-Dec-14	NS	40.68	-40.68	11.18	0.959	NM	8.76	135.2
MW-2	26-Mar-15	NS	40.62	-40.62	11.40	0.907	2.07	7.42	219.3
MW-2	23-Jun-15	NS	40.62	-40.62	13.42	1.004	NM	7.48	136.8
MW-2	24-Sep-15	NS	40.65	-40.65	12.81	0.961	NM	7.34	92.6
MW-2	10-Dec-15	NS	40.51	-40.51	11.46	1.050	5.17	7.85	-165.5
MW-2	04-Mar-16	NS	40.53	-40.53	12.02	1.751	6.41	7.31	176.3
MW-2	17-Jun-16	NS	40.62	-40.62	12.80	2.209	13.70	7.15	111.0
MW-2	23-Sep-16	NS	40.75	-40.75	11.10	1.987	7.93	7.41	183.4
MW-2	19-Dec-16	NS	40.86	-40.86	10.22	2.209	6.80	7.64	171.6
MW-2	13-Apr-17	NS	40.90	-40.90	NM	NM	NM	NM	NM
MW-2	20-Jun-17	NS	40.94	-40.94	13.04	2.808	8.50	7.36	150.9
MW-2	14-Sep-17	NS	41.01	-41.01	14.25	3.053	10.29	7.37	168.0
MW-2	14-Dec-17	NS	40.70	-40.70	9.87	2.189	6.87	7.53	198.7
MW-2	14-Mar-18	NS	40.74	-40.74	11.76	2.650	8.17	7.54	85.5
MW-2	12-Jun-18	NS	40.97	-40.97	12.1	2.18	7.86	7.24	168.5
MW-2	17-Sep-18	NS	41.06	-41.06	14.1	0.895	7.39	7.54	155.3

TABLE 2
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA
BMG Landfarm, Rio Arriba County, New Mexico

Well ID	*Date Measured*	*Top of Casing Elevation (ft amsl)*	*Depth to Water (ft)*	*Water Level Elevation (ft amsl)*	*Temp. (˚C)*	*Specific Conduct. (mS)*	*Dissolved Oxygen (mg/L)*	*pH*	*ORP (mV)*
MW-2	19-Dec-18	NS	41.14	-41.14	11.0	1.540	5.60	7.43	151.2
MW-3	29-Mar-13	NS	40.77	-40.77	12.33	1.298	3.82	7.45	16.0
MW-3	01-Jul-13	NS	40.92	-40.92	14.02	0.427	6.21	7.32	131.5
MW-3	09-Oct-13	NS	40.83	-40.83	12.86	0.815	15.23	7.00	210.2
MW-3	31-Mar-14	NS	40.83	-40.83	11.38	0.729	5.33	7.51	144.6
MW-3	30-Sep-14	NS	40.13	-40.13	12.86	0.895	NM	7.96	339.0
MW-3	02-Dec-14	NS	39.98	-39.98	11.21	0.922	NM	8.39	145.9
MW-3	26-Mar-15	NS	39.92	-39.92	11.40	0.878	3.50	7.43	229.2
MW-3	23-Jun-15	NS	39.89	-39.89	13.39	0.919	NM	7.29	145.2
MW-3	24-Sep-15	NS	39.98	-39.98	12.78	0.799	NM	6.24	132.7
MW-3	10-Dec-15	NS	39.81	-39.81	11.22	0.728	3.98	7.66	-147.7
MW-3	04-Mar-16	NS	39.82	-39.82	11.88	0.901	5.71	7.26	164.0
MW-3	17-Jun-16	NS	39.90	-39.90	12.94	0.922	8.04	6.86	92.9
MW-3	23-Sep-16	NS	40.03	-40.03	11.87	0.904	7.74	6.90	236.5
MW-3	19-Dec-16	NS	40.15	-40.15	9.84	0.884	6.33	7.54	166.4
MW-3	13-Apr-17	NS	40.18	-40.18	NM	NM	NM	NM	NM
MW-3	20-Jun-17	NS	40.23	-40.23	13.03	0.961	7.66	7.30	140.7
MW-3	14-Sep-17	NS	40.31	-40.31	13.20	0.982	7.30	7.31	160.5
MW-3	14-Dec-17	NS	40.01	-40.01	11.11	0.923	4.23	6.79	195.7
MW-3	14-Mar-18	NS	40.04	-40.04	12.09	0.825	6.63	7.49	84.9
MW-3	12-Jun-18	NS	40.25	-40.25	12.0	0.81	5.99	7.14	119.9

TABLE 2
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA
BMG Landfarm, Rio Arriba County, New Mexico

Well ID	*Date Measured*	*Top of Casing Elevation (ft amsl)*	*Depth to Water (ft)*	*Water Level Elevation (ft amsl)*	*Temp. (˚C)*	*Specific Conduct. (mS)*	*Dissolved Oxygen (mg/L)*	*pH*	*ORP (mV)*
MW-3	17-Sep-18	NS	40.36	-40.36	13.4	0.770	4.75	7.42	155.9
MW-3	19-Dec-18	NS	40.43	-40.43	11.3	0.92	3.67	7.48	149.4
MW-4	29-Mar-13	NS	41.32	-41.32	11.25	1.388	7.14	7.32	20.6
MW-4	01-Jul-13	NS	41.47	-41.47	13.81	0.890	6.27	6.38	197.7
MW-4	09-Oct-13	NS	41.35	-41.35	12.82	0.840	20.23	7.05	215.1
MW-4	31-Mar-14	NS	41.34	-41.34	12.09	0.757	5.17	7.68	163.1
MW-4	30-Sep-14	NS	40.55	-40.55	12.24	0.940	NM	8.17	276.5
MW-4	02-Dec-14	NS	40.43	-40.43	11.48	0.938	NM	7.96	156.6
MW-4	26-Mar-15	NS	40.34	-40.34	12.08	0.902	2.81	7.33	217.1
MW-4	23-Jun-15	NS	40.36	-40.36	14.12	1.021	NM	7.32	147.3
MW-4	24-Sep-15	NS	40.43	-40.43	12.76	0.931	NM	7.18	99.7
MW-4	10-Dec-15	NS	40.26	-40.26	11.70	1.091	3.91	7.71	-190.2
MW-4	04-Mar-16	NS	40.24	-40.24	11.99	1.279	6.52	7.28	162.8
MW-4	17-Jun-16	NS	40.41	-40.41	12.78	1.537	12.28	6.95	104.4
MW-4	23-Sep-16	NS	40.53	-40.53	11.47	1.589	9.68	7.51	174.8
MW-4	19-Dec-16	NS	40.67	-40.67	10.64	1.355	5.98	7.51	170.3
MW-4	13-Apr-17	NS	40.68	-40.68	NM	NM	NM	NM	NM
MW-4	20-Jun-17	NS	40.75	-40.75	13.89	1.336	7.70	7.29	141.9
MW-4	14-Sep-17	NS	40.83	-40.83	14.32	1.354	8.25	7.21	194.3
MW-4	14-Dec-17	NS	40.51	-40.51	10.18	1.387	5.52	7.37	193.6
MW-4	14-Mar-18	NS	40.56	-40.56	12.02	1.089	6.70	7.55	85.1

TABLE 2
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA
BMG Landfarm, Rio Arriba County, New Mexico

Well ID	*Date Measured*	*Top of Casing Elevation (ft amsl)*	*Depth to Water (ft)*	*Water Level Elevation (ft amsl)*	*Temp. (˚C)*	*Specific Conduct. (mS)*	*Dissolved Oxygen (mg/L)*	*pH*	*ORP (mV)*
MW-4	12-Jun-18	NS	40.80	-40.80	12.1	1.03	5.59	7.16	141.6
MW-4	17-Sep-18	NS	40.90	-40.90	14.6	1.18	4.29	7.14	152.7
MW-4	19-Dec-18	NS	40.98	-40.98	11.8	0.94	3.84	7.38	134.7
Interstitial Well	29-Mar-13	NS	9.77	-9.77	8.84	261.3	0.84	6.56	9.7
Interstitial Well	01-Jul-13	NS	9.70	-9.70	18.31	86.76	3.79	7.14	9.6
Interstitial Well	09-Oct-13	NS	9.82	-9.82	16.84	148.2	3.60	6.57	34.5
Interstitial Well	31-Mar-14	NS	9.92	-9.92	7.65	139.2	2.01	6.68	93.9
Interstitial Well	01-Oct-14	NS	9.50	-9.50	NM	NM	NM	NM	NM
Interstitial Well	26-Mar-15	NS	9.83	-9.83	NM	NM	NM	NM	NM
Interstitial Well	23-Jun-15	NS	10.66	-10.66	18.36	139.0	0.00	6.82	97.6
Interstitial Well	24-Sep-15	NS	11.33	-11.33	20.42	139.3	2.87	7.06	73.4
Interstitial Well	23-Sep-16	NS	NM	NM	NM	NM	NM	NM	NM
Interstitial Well	19-Dec-16	NS	NM	NM	NM	NM	NM	NM	NM
Interstitial Well	13-Apr-17	NS	10.16	-10.16	NM	NM	NM	NM	NM
Interstitial Well	20-Jun-17	NS	NM	NM	NM	NM	NM	NM	NM
Interstitial Well	14-Sep-17	NS	NM	NM	NM	NM	NM	NM	NM
Interstitial Well	14-Dec-17	NS	NM	NM	NM	NM	NM	NM	NM
Interstitial Well	14-Mar-18	NS	11.12	NM	NM	NM	NM	NM	NM
Interstitial Well	12-Jun-18	NS	10.35	NM	NM	NM	NM	NM	NM
Interstitial Well	17-Sep-18	NS	10.74	NM	NM	NM	NM	NM	NM
Interstitial Well	19-Dec-18	NS	10.18	NM	NM	NM	NM	NM	NM

TABLE 2

SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA

BMG Landfarm, Rio Arriba County, New Mexico

Well ID	*Date Measured*	*Top of Casing Elevation (ft amsl)*	*Depth to Water (ft)*	*Water Level Elevation (ft amsl)*	*Temp. (˚C)*	*Specific Conduct. (mS)*	*Dissolved Oxygen (mg/L)*	*pH*	*ORP (mV)*

Notes: NM - Not Measured
NS - Not Surveyed

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	GRO (mg/L)	DRO (mg/L)	MRO (mg/L)	Chloride (mg/L)	TDS (mg/L)	Barium (mg/L)	Cadmium (mg/L)
Method		8021B	8021B	8021B	8021B	8015D	8015D	8015D	300.0	SM2540C	200.7	200.7
NM WQCC STANDARD		10	750	750	620	NE	NE	NE	NE	NE	1,000	10
MW-1	18-Sep-12	<2.0	<2.0	<2.0	<4.0	<0.10	<1.0	NA	11	654	0	<0.0020
MW-1	6-Dec-12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	10	610	NM	NM
MW-1	29-Mar-13	<2.0	<2.0	<2.0	<4.0	<0.10	<1.0	<5.0	9.6	810	NM	NM
MW-1	1-Jul-13	<2.0	<2.0	<2.0	<4.0	<0.10	<1.0	<5.0	9.2	640	NM	NM
MW-1	9-Oct-13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	9.7	690	0.45	<0.0020
MW-1	31-Mar-14	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	9.2	612	NM	NM
MW-1	30-Sep-14	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	10	614	NM	NM
MW-1	2-Dec-14	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	14	660	NM	NM
MW-1	26-Mar-15	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	14	580	NM	NM
MW-1	23-Jun-15	<2.0	<2.0	<2.0	<4.0	<0.10	<1.0	<5.0	61	720	NM	NM
MW-1	24-Sep-15	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	38	710	NM	NM
MW-1	10-Dec-15	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	43	627	NM	NM
MW-1	04-Mar-16	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	68	666	NM	NM
MW-1	17-Jun-16	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0	96	769	NM	NM
MW-1	23-Sep-16	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	60	687	NM	NM
MW-1	19-Dec-16	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0	48	658	NM	NM
MW-1	13-Apr-17	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0	26	690	NM	NM
MW-1	20-Jun-17	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0	25	662	NM	NM
MW-1	14-Sep-17	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	23	615	NM	NM
MW-1	14-Dec-17	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0	22	620	NM	NM
MW-1	14-Mar-18	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	26	642	NM	NM
MW-1	12-Jun-18	<1.0	<1.0	<1.0	<1.5	<0.050	1.5	<5.0	19	620	NM	NM

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	GRO (mg/L)	DRO (mg/L)	MRO (mg/L)	Chloride (mg/L)	TDS (mg/L)	Barium (mg/L)	Cadmium (mg/L)
Method		8021B	8021B	8021B	8021B	8015D	8015D	8015D	300.0	SM2540C	200.7	200.7
NM WQCC STANDARD		10	750	750	620	NE	NE	NE	NE	NE	1,000	10
MW-1	17-Sep-18	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	16	570	NM	NM
MW-1	19-Dec-18	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	16	595	NM	NM
MW-2	18-Sep-12	<2.0	<2.0	<2.0	<4.0	<0.10	<1.0	NA	30	615	1.1	<0.0040
MW-2	6-Dec-12	<2.0	<2.0	<2.0	<4.0	<0.10	<1.0	<5.0	32	500	NM	NM
MW-2	29-Mar-13	<2.0	<2.0	<2.0	<4.0	<0.10	<1.0	<5.0	28	590	NM	NM
MW-2	1-Jul-13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	26	580	NM	NM
MW-2	9-Oct-13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	26	790	0.47	<0.0020
MW-2	31-Mar-14	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	30	630	NM	NM
MW-2	1-Oct-14	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	31	632	NM	NM
MW-2	2-Dec-14	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	34	780	NM	NM
MW-2	26-Mar-15	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	33	600	NM	NM
MW-2	23-Jun-15	<2.0	<2.0	<2.0	<4.0	<0.10	<1.0	<5.0	33	720	NM	NM
MW-2	24-Sep-15	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	48	740	NM	NM
MW-2	10-Dec-15	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	170	902	NM	NM
MW-2	04-Mar-16	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	280	1,040	NM	NM
MW-2	17-Jun-16	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0	460	1,400	NM	NM
MW-2	23-Sep-16	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	380	1,230	NM	NM
MW-2	19-Dec-16	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	470	1,370	NM	NM
MW-2	13-Apr-17	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0	520	1,770	NM	NM
MW-2	20-Jun-17	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0	770	2,160	NM	NM
MW-2	14-Sep-17	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	700	2,030	NM	NM

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	GRO (mg/L)	DRO (mg/L)	MRO (mg/L)	Chloride (mg/L)	TDS (mg/L)	Barium (mg/L)	Cadmium (mg/L)
Method		8021B	8021B	8021B	8021B	8015D	8015D	8015D	300.0	SM2540C	200.7	200.7
NM WQCC STANDARD		10	750	750	620	NE	NE	NE	NE	NE	1,000	10
MW-2	14-Dec-17	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0	770	2,400	NM	NM
MW-2	14-Mar-18	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	790	1,980	NM	NM
MW-2	12-Jun-18	<1.0	<1.0	<1.0	<1.5	<0.050	1.3	<5.0	620	1,890	NM	NM
MW-2	17-Sep-18	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	580	1,750	NM	NM
MW-2	19-Dec-18	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	600	1,420	NM	NM
MW-3	18-Sep-12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	NA	23	690	0.69	<0.0040
MW-3	6-Dec-12	<2.0	<2.0	<2.0	<4.0	<0.10	<1.0	<5.0	22	600	NM	NM
MW-3	29-Mar-13	<2.0	<2.0	<2.0	<4.0	<0.10	<1.0	<5.0	20	680	NM	NM
MW-3	1-Jul-13	<2.0	<2.0	<2.0	<4.0	<0.10	<1.0	<5.0	20	630	NM	NM
MW-3	9-Oct-13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	21	620	0.59	<0.0020
MW-3	31-Mar-14	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	18	544	NM	NM
MW-3	30-Sep-14	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	19	574	NM	NM
MW-3	2-Dec-14	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	21	580	NM	NM
MW-3	26-Mar-15	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	23	601	NM	NM
MW-3	23-Jun-15	<2.0	<2.0	<2.0	<4.0	<0.10	<1.0	<5.0	24	680	NM	NM
MW-3	24-Sep-15	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	23	570	NM	NM
MW-3	10-Dec-15	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	22	540	NM	NM
MW-3	04-Mar-16	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	21	620	NM	NM
MW-3	17-Jun-16	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0	22	600	NM	NM
MW-3	23-Sep-16	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	23	561	NM	NM
MW-3	19-Dec-16	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	24	534	NM	NM

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	GRO (mg/L)	DRO (mg/L)	MRO (mg/L)	Chloride (mg/L)	TDS (mg/L)	Barium (mg/L)	Cadmium (mg/L)
Method		8021B	8021B	8021B	8021B	8015D	8015D	8015D	300.0	SM2540C	200.7	200.7
NM WQCC STANDARD		10	750	750	620	NE	NE	NE	NE	NE	1,000	10
MW-3	13-Apr-17	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0	25	655	NM	NM
MW-3	20-Jun-17	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0	28	590	NM	NM
MW-3	14-Sep-17	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	30	595	NM	NM
MW-3	14-Dec-17	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0	32	598	NM	NM
MW-3	14-Mar-18	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	33	612	NM	NM
MW-3	12-Jun-18	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0	37	626	NM	NM
MW-3	17-Sep-18	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	62	640	NM	NM
MW-3	19-Dec-18	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	76	688	NM	NM
MW-4	18-Sep-12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	NA	16	660	0.084	<0.0020
MW-4	6-Dec-12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	14	760	NM	NM
MW-4	29-Mar-13	<2.0	<2.0	<2.0	<4.0	<0.10	<1.0	<5.0	12	750	NM	NM
MW-4	1-Jul-13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	10	608	NM	NM
MW-4	9-Oct-13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	11	690	0.17	<0.0020
MW-4	31-Mar-14	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	12	600	NM	NM
MW-4	30-Sep-14	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	15	618	NM	NM
MW-4	2-Dec-14	<2.0	<2.0	<2.0	<4.0	<0.10	<1.0	<5.0	21	770	NM	NM
MW-4	26-Mar-15	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	34	615	NM	NM
MW-4	23-Jun-15	<2.0	<2.0	<2.0	<4.0	<0.10	<1.0	<5.0	73	1090	NM	NM
MW-4	24-Sep-15	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	97	635	NM	NM
MW-4	10-Dec-15	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	250	782	NM	NM
MW-4	04-Mar-16	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	170	721	NM	NM

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	GRO (mg/L)	DRO (mg/L)	MRO (mg/L)	Chloride (mg/L)	TDS (mg/L)	Barium (mg/L)	Cadmium (mg/L)
	Method	8021B	8021B	8021B	8021B	8015D	8015D	8015D	300.0	SM2540C	200.7	200.7
NM WQCC STANDARD		10	750	750	620	NE	NE	NE	NE	NE	1,000	10
MW-4	17-Jun-16	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0	290	938	NM	NM
MW-4	23-Sep-16	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	250	879	NM	NM
MW-4	19-Dec-16	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	250	800	NM	NM
MW-4	13-Apr-17	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0	180	790	NM	NM
MW-4	20-Jun-17	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0	180	744	NM	NM
MW-4	14-Sep-17	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	170	775	NM	NM
MW-4	14-Dec-17	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0	170	754	NM	NM
MW-4	14-Mar-18	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	160	694	NM	NM
MW-4	12-Jun-18	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0	150	751	NM	NM
MW-4	17-Sep-18	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	110	930	NM	NM
MW-4	19-Dec-18	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0	94	644	NM	NM
Interstitial Well	18-Sep-12	<5.0	<5.0	<5.0	<10	<0.25	<3.0	NA	120,000	170,000	50	<0.10
Interstitial Well	6-Dec-12	<10	<10	<10	<20	<0.50	6.9	<5.0	110,000	159,000	NM	NM
Interstitial Well	29-Mar-13	<10	<10	<10	<20	<0.50	3.8	<5.0	98,000	154,000	NM	NM
Interstitial Well	1-Jul-13	<10	<10	<10	<20	<0.50	4.6	<5.0	80,000	145,000	NM	NM
Interstitial Well	9-Oct-13	<10	<10	<10	<20	<0.50	36	9.5	90,000	144,000	24	0.53
Interstitial Well	31-Mar-14	<1.0	<1.0	<1.0	<2.0	<0.050	3.1	<5.0	69,000	146,000	NM	NM

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	GRO (mg/L)	DRO (mg/L)	MRO (mg/L)	Chloride (mg/L)	TDS (mg/L)	Barium (mg/L)	Cadmium (mg/L)
	Method	8021B	8021B	8021B	8021B	8015D	8015D	8015D	300.0	SM2540C	200.7	200.7
NM WQCC STANDARD		10	750	750	620	NE	NE	NE	NE	NE	1,000	10
Interstitial Well	3-Dec-14	<1.0	<1.0	<1.0	<2.0	0.087	6.0	<5.0	98,000	133,000	NM	NM
Interstitial Well	24-Sep-15	<1.0	<1.0	<1.0	<2.0	0.074	2.8	<5.0	100,000	141,000	50	0.054
Interstitial Well	23-Sep-16	<10	<10	<10	<20	<0.50	3.8	<5.0	88,000	138,000	NM	NM
Interstitial Well	19-Dec-16	<5.0	<5.0	<5.0	<7.5	<0.25	2.9	<5.0	130,000	147,000	NM	NM
Interstitial Well	14-Sep-17	<1.0	<1.0	<1.0	<2.0	<0.050	4.5	<5.0	97,000	118,000	NM	NM
Interstitial Well	14-Dec-17	<1.0	<1.0	<1.0	<1.5	0.062	3.8	<5.0	67,000	126,000	NM	NM
Interstitial Well	14-Mar-18	<5.0	<5.0	<5.0	<10	<0.25	4.2	<5.0	75,000	122,000	NM	NM
Interstitial Well	12-Jun-18	<1.0	<1.0	<1.0	<1.5	0.11	3.7	<5.0	75,000	180,000	NM	NM
Interstitial Well	17-Sep-18	<1.0	<1.0	<1.0	<2.0	0.13	3.5	<5.0	80,000	135,000	NM	NM
Interstitial Well	19-Dec-18	<1.0	<1.0	<1.0	<2.0	0.052	2.8	<5.0	70,000	133,000	NM	NM
Evaporation Pond	3-Dec-14	190	240	14	88	1.2	9.2	<5.0	74,000	105,000	NM	NM
Evaporation Pond	24-Sep-15	13	13	1.0	5.6	0.11	2.9	<5.0	87,000	136,000	210	<0.020
Evaporation Pond	19-Dec-16	4.3	23	<5.0	<7.5	0.87	6.1	<5.0	110,000	169,000	NM	NM

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	GRO (mg/L)	DRO (mg/L)	MRO (mg/L)	Chloride (mg/L)	TDS (mg/L)	Barium (mg/L)	Cadmium (mg/L)
Method		*8021B*	*8021B*	*8021B*	*8021B*	*8015D*	*8015D*	*8015D*	*300.0*	*SM2540C*	*200.7*	*200.7*
NM WQCC STANDARD		*10*	*750*	*750*	*620*	*NE*	*NE*	*NE*	*NE*	*NE*	*1,000*	*10*
Evaporation Pond	14-Dec-17	**44**	43	3.9	22	0.53	9.6	<5.0	86,000	164,000	NM	NM
Evaporation Pond	17-Sep-18	<5.0	<5.0	<5.0	<10	<0.25	9.7	<5.0	180,000	295,000	NM	NM

Notes:
< Analyte not detected above listed method limit
NA Not Analyzed
NM Not Measured

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Well ID	Calcium (mg/L)	Chromium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Arsenic (mg/L)	Lead (mg/L)	Selenium (mg/L)	Mercury (mg/L)
	200.7	200.7	200.7	200.7	200.7	200.7	200.8	200.8	200.8	245.1
	NE	50	NE	NE	50	NE	100	50	50	2
MW-1	120	0	57	6	<0.0050	21	0.0037	0.0045	0.0095	<0.00020
MW-1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-1	110	0.018	58	7.1	<0.0050	20	0.0067	0.02	0.0072	<0.00020
MW-1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Well ID	*Calcium (mg/L)*	*Chromium (mg/L)*	*Magnesium (mg/L)*	*Potassium (mg/L)*	*Silver (mg/L)*	*Sodium (mg/L)*	*Arsenic (mg/L)*	*Lead (mg/L)*	*Selenium (mg/L)*	*Mercury (mg/L)*
	200.7	***200.7***	***200.7***	***200.7***	***200.7***	***200.7***	***200.8***	***200.8***	***200.8***	***245.1***
	NE	***50***	***NE***	***NE***	***50***	***NE***	***100***	***50***	***50***	***2***
MW-1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-2	150	0.041	69	10	<0.010	24	0.0053	0.028	0.0062	0.00022
MW-2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-2	110	0.017	55	6.6	<0.0050	21	0.0054	0.016	0.0097	<0.00020
MW-2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Well ID	*Calcium (mg/L)*	*Chromium (mg/L)*	*Magnesium (mg/L)*	*Potassium (mg/L)*	*Silver (mg/L)*	*Sodium (mg/L)*	*Arsenic (mg/L)*	*Lead (mg/L)*	*Selenium (mg/L)*	*Mercury (mg/L)*
	200.7	*200.7*	*200.7*	*200.7*	*200.7*	*200.7*	*200.8*	*200.8*	*200.8*	*245.1*
	NE	*50*	*NE*	*NE*	*50*	*NE*	*100*	*50*	*50*	*2*
MW-2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-3	140	0.044	67	9.9	<0.010	22	0.011	0.023	<0.0050	0.00025
MW-3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-3	120	0.031	58	7.6	<0.0050	20	0.0094	0.031	0.0044	<0.00020
MW-3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Well ID	Calcium (mg/L)	Chromium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Arsenic (mg/L)	Lead (mg/L)	Selenium (mg/L)	Mercury (mg/L)
	200.7	200.7	200.7	200.7	200.7	200.7	200.8	200.8	200.8	245.1
	NE	50	NE	NE	50	NE	100	50	50	2
MW-3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-4	120	<0.0060	57	5.0	<0.0050	23	<0.0025	<0.0025	0.0053	<0.00020
MW-4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-4	110	0.0079	56	5.7	<0.0050	21	0.0024	0.0076	0.0046	<0.00020
MW-4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Well ID	Calcium (mg/L)	Chromium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Arsenic (mg/L)	Lead (mg/L)	Selenium (mg/L)	Mercury (mg/L)
	200.7	200.7	200.7	200.7	200.7	200.7	200.8	200.8	200.8	245.1
	NE	50	NE	NE	50	NE	100	50	50	2
MW-4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Interstitial Well	5400	<0.30	1,000	1,400	2.8	44,000	NM	NM	NM	<0.00020
Interstitial Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Interstitial Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Interstitial Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Interstitial Well	4900	<0.030	780	1,300	<0.050	46,000	0.41	<0.050	<0.50	<0.00020
Interstitial Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Well ID	*Calcium (mg/L)*	*Chromium (mg/L)*	*Magnesium (mg/L)*	*Potassium (mg/L)*	*Silver (mg/L)*	*Sodium (mg/L)*	*Arsenic (mg/L)*	*Lead (mg/L)*	*Selenium (mg/L)*	*Mercury (mg/L)*
	200.7	***200.7***	***200.7***	***200.7***	***200.7***	***200.7***	***200.8***	***200.8***	***200.8***	***245.1***
	NE	***50***	***NE***	***NE***	***50***	***NE***	***100***	***50***	***50***	***2***
Interstitial Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Interstitial Well	NM	<0.060	NM	NM	<0.050	NM	0.77	<0.050	<0.50	<0.00020
Interstitial Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Interstitial Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Interstitial Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Interstitial Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Interstitial Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Interstitial Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Interstitial Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Interstitial Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Evaporation Pond	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Evaporation Pond	NM	<0.060	NM	NM	<0.050	NM	<0.20	<0.050	<0.50	<0.00020
Evaporation Pond	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Well ID	*Calcium (mg/L)*	*Chromium (mg/L)*	*Magnesium (mg/L)*	*Potassium (mg/L)*	*Silver (mg/L)*	*Sodium (mg/L)*	*Arsenic (mg/L)*	*Lead (mg/L)*	*Selenium (mg/L)*	*Mercury (mg/L)*
	200.7	***200.7***	***200.7***	***200.7***	***200.7***	***200.7***	***200.8***	***200.8***	***200.8***	***245.1***
	NE	***50***	***NE***	***NE***	***50***	***NE***	***100***	***50***	***50***	***2***
Evaporation Pond	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Evaporation Pond	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Notes: < Analyte not detected above listed method limit
NA Not Analyzed
NM Not Measured

TABLE 4

TREATMENT ZONE SOIL ANALYTICAL RESULTS

BMG Landfarm, Rio Arriba County, New Mexico

Treatment Zone Cell	*Date*	*TPH (mg/kg)*	*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*	*8021B*	*8021B*	*8021B*	*300.0*
NMOCD Closure Action Levels		*2500*	*2500 GRO/DRO/MRO 500 GRO/DRO*			*0.2 (Benzene) / 50 (BTEX)*				*500*
Treatment Zone	18-Sep-12	NM	<50	2,800	4,200	<0.50	<0.50	<0.50	<1.0	21
Treatment Zone	06-Dec-12	NM	<5.0	960	3,000	<0.50	<0.50	<0.50	<1.0	31
Treatment Zone	29-Mar-13	NM	<5.0	180	420	<0.050	<0.050	<0.050	<0.10	22
Treatment Zone	01-Jul-13	NM	<5.0	880	1,500	<0.050	<0.050	<0.050	<0.10	8.8
Treatment Zone	09-Oct-13	NM	<5.0	2,700	3,100	<0.050	<0.050	<0.050	<0.10	29
Treatment Zone	31-Mar-14	NM	<2.7	470	1,000	<0.027	<0.027	<0.027	<0.055	<30
1	06-May-14	26	NM	NM	NM	NM	NM	NM	NM	120
1	30-Sep-14	NM	<4.7	620	2,200	NM	NM	NM	NM	140
1	02-Dec-14	NM	150	4,500	5,700	NM	NM	NM	NM	56
1	27-Mar-15	5,600	NM	NM	NM	NM	NM	NM	NM	<30
1	24-Sep-15	**1,400**	NM	NM	NM	NM	NM	NM	NM	<30
1	07-Mar-16	**1,300**	NM	NM	NM	NM	NM	NM	NM	45
1	22-Sep-16	**1,100**	NM	NM	NM	NM	NM	NM	NM	44
1	13-Apr-17	NM	**<4.6**	**190**	**690**	NM	NM	NM	NM	100
1	20-Sep-17	NM	**<4.8**	**320**	**700**	NM	NM	NM	NM	<30
1	13-Mar-18	NM	**<4.9**	**49**	**160**	NM	NM	NM	NM	240
1	17-Sep-18	NM	**<4.9**	**<9.6**	**<48**	NM	NM	NM	NM	110
2	6-May-14	780	NM	NM	NM	NM	NM	NM	NM	50
2	30-Sep-14	NM	<4.6	530	880	NM	NM	NM	NM	47

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

Treatment Zone Cell	Date	TPH (mg/kg)	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***	***8021B***	***8021B***	***8021B***	***300.0***
NMOCD Closure Action Levels		***2500***	***2500 GRO/DRO/MRO 500 GRO/DRO***			***0.2 (Benzene) / 50 (BTEX)***				***500***
2	2-Dec-14	NM	6.2	1,400	1,200	NM	NM	NM	NM	13
2	27-Mar-15	160	NM	NM	NM	NM	NM	NM	NM	<30
2	24-Sep-15	1,100	NM	NM	NM	NM	NM	NM	NM	32
2	07-Mar-16	2,600	NM	NM	NM	NM	NM	NM	NM	<30
2	22-Sep-16	4,600	NM	NM	NM	NM	NM	NM	NM	38
2	13-Apr-17	NM	<4.7	1,100	2,000	NM	NM	NM	NM	<30
2	20-Sep-17	NM	<4.9	990	1,500	NM	NM	NM	NM	<30
2	13-Mar-18	NM	<4.8	1,500	2,200	NM	NM	NM	NM	<30
2	17-Sep-18	NM	32	2,000	2,600	NM	NM	NM	NM	<30
3	6-May-14	2,300	NM	NM	NM	NM	NM	NM	NM	<30
3	30-Sep-14	NM	10	1,800	2,100	NM	NM	NM	NM	<30
3	2-Dec-14	NM	<4.7	450	640	NM	NM	NM	NM	10
3	27-Mar-15	98	NM	NM	NM	NM	NM	NM	NM	<30
3	24-Sep-15	1,100	NM	NM	NM	NM	NM	NM	NM	<30
3	07-Mar-16	2,900	NM	NM	NM	NM	NM	NM	NM	<30
3	22-Sep-16	2,000	NM	NM	NM	NM	NM	NM	NM	<30
3	13-Apr-17	NM	**<4.8**	**360**	**790**	NM	NM	NM	NM	<30
3	20-Sep-17	NM	<4.7	660	1,400	NM	NM	NM	NM	<30
3	13-Mar-18	NM	<5.0	720	1,200	NM	NM	NM	NM	<30
3	17-Sep-18	NM	**<4.6**	**240**	**420**	NM	NM	NM	NM	<30

TABLE 4

TREATMENT ZONE SOIL ANALYTICAL RESULTS

BMG Landfarm, Rio Arriba County, New Mexico

Treatment Zone Cell	*Date*	*TPH (mg/kg)*	*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*	*8021B*	*8021B*	*8021B*	*300.0*
NMOCD Closure Action Levels		*2500*	*2500 GRO/DRO/MRO 500 GRO/DRO*			*0.2 (Benzene) / 50 (BTEX)*				*500*
4	30-Sep-14	NM	**<4.7**	**190**	**190**	NM	NM	NM	NM	<30
4	2-Dec-14	NM	**<4.6**	**130**	**190**	NM	NM	NM	NM	29
4	27-Mar-15	2,200	NM	NM	NM	NM	NM	NM	NM	<30
4	24-Sep-15	370	NM	NM	NM	NM	NM	NM	NM	<30
4	07-Mar-16	190	NM	NM	NM	NM	NM	NM	NM	<30
4	22-Sep-16	410	NM	NM	NM	NM	NM	NM	NM	<30
4	13-Apr-17	NM	<5.0	650	1,000	NM	NM	NM	NM	<30
4	20-Sep-17	NM	**<4.6**	**160**	**270**	NM	NM	NM	NM	<30
4	13-Mar-18	NM	**<5.0**	**83**	**140**	NM	NM	NM	NM	<30
4	17-Sep-18	NM	**<4.9**	**10**	**<46**	NM	NM	NM	NM	<30

Notes:

< Analyte not detected above listed method limit

NM Not Measured

TPH Total Petroleum Hydrocarbons

TABLE 5

VADOSE ZONE SOIL ANALYTICAL RESULTS

BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	TPH mg/kg	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	Fluoride mg/kg	Nitrate mg/kg
	Method	418.1	8015D	8015M/D	8015M/D	8021B	8021B	8021B	8021B	300.0	300.0	300.0
	NMOCD Approved Background	20		20		0.05	0.05	0.05	0.1	25	0.6	0.3
VZ Cell #1	18-Sep-12	NM	<5.0	<10	NM	<0.050	<0.050	<0.050	<0.10	<15	<3.0	14
VZ Cell #1	6-Dec-12	NM	<5.0	240	830	<0.050	<0.050	<0.050	<0.10	66	NM	NM
VZ Cell #1	1-Jul-13	NM	<5.0	<10	<50	<0.050	<0.050	<0.050	<0.10	<7.5	NM	NM
VZ Cell #1	9-Oct-13	NM	<5.0	<9.9	<49	<0.050	<0.050	<0.050	<0.10	19	2.0	8.2
VZ Cell #1	31-Mar-14	21	<3.6	<10	<50	<0.036	<0.036	<0.036	<0.071	<30	NM	NM
VZ Cell #1A	29-Mar-13	NM	<5.0	<10	<51	<0.050	<0.050	<0.050	<0.10	<7.5	<1.5	8.0
Cell #1 S-1	6-May-14	<20	NM	NM	NM	<0.046	<0.046	<0.046	<0.092	<1.5	0.77	1.5
Cell #1 S-1	1-Oct-14	<20	NM	NM	NM	<0.048	<0.048	<0.048	<0.096	<30	NM	NM
Cell #1 S-1	9-Dec-14	<20	NM	NM	NM	<0.049	<0.049	<0.049	<0.098	<30	NM	NM
Cell #1 S-1	27-Mar-15	<20	NM	NM	NM	<0.048	<0.048	<0.048	<0.095	<30	NM	NM
Cell #1 S-1	24-Jun-15	NM	<4.8	<9.8	<49	<0.048	<0.048	<0.048	<0.097	NM	NM	NM
Cell #1 S-1	24-Sep-15	NM	<4.8	<9.9	<49	<0.048	<0.048	<0.048	<0.097	<1.5	0.51	2.3
Cell #1 S-1	09-Dec-15	NM	<4.7	<9.7	<48	<0.047	<0.047	<0.047	<0.095	NM	NM	NM
Cell #1 S-1	07-Mar-16	<20	NM	NM	NM	<0.048	<0.048	<0.048	<0.096	180	NM	NM
Cell #1 S-1	16-Jun-16	<20	NM	NM	NM	<0.025	<0.049	<0.049	<0.099	150	NM	NM
Cell #1 S-1	22-Sep-16	NM	<4.6	<9.7	<48	<0.023	<0.046	<0.046	<0.092	140	2.3	3.5
Cell #1 S-1	15-Dec-16	NM	<4.8	<10	<50	<0.024	<0.048	<0.048	<0.097	NM	NM	NM
Cell #1 S-1	13-Apr-17	<19	NM	NM	NM	<0.023	<0.046	<0.046	<0.092	100	NM	NM
Cell #1 S-1	22-Jun-17	NM	<4.9	<9.8	<49	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-1	20-Sep-17	NM	<4.6	<9.9	<50	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-1	06-Dec-17	NM	<4.7	<9.2	<46	NM	NM	NM	NM	140	1.8	2.9
Cell #1 S-1	13-Mar-18	<19	NM	NM	NM	<0.025	<0.050	<0.050	<0.10	630	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	TPH mg/kg	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	Fluoride mg/kg	Nitrate mg/kg
	Method	418.1	8015D	8015M/D	8015M/D	8021B	8021B	8021B	8021B	300.0	300.0	300.0
	NMOCD Approved Background	20		20		0.05	0.05	0.05	0.1	25	0.6	0.3
Cell #1 S-1	24-Jul-18	NM	<4.7	<9.8	<49	<0.023	<0.047	<0.047	<0.093	NM	NM	NM
Cell #1 S-1	17-Sep-18	<19	NM	NM	NM	<0.025	<0.050	<0.050	<0.099	370	1.6	5.8
Cell #1 S-1	19-Dec-18	NM	<4.9	<9.8	68	<0.024	<0.049	<0.049	<0.097	NM	NM	NM
Cell #1 S-1	28-Mar-19	<20	NM	NM	NM	<0.024	<0.047	<0.047	<0.095	210	NM	NM
VZ Cell #1B	29-Mar-13	NM	<5.0	12	51	<0.050	<0.050	<0.050	<0.10	<7.5	2.8	<1.5
Cell #1 S-2	6-May-14	<20	NM	NM	NM	<0.047	<0.047	<0.047	<0.094	98	0.96	0.45
Cell #1 S-2	1-Oct-14	<20	NM	NM	NM	<0.047	<0.047	<0.047	<0.093	230	NM	NM
Cell #1 S-2	9-Dec-14	<20	NM	NM	NM	<0.049	<0.049	<0.049	<0.098	<30	NM	NM
Cell #1 S-2	27-Mar-15	<20	NM	NM	NM	<0.047	<0.047	<0.047	<0.094	<30	NM	NM
Cell #1 S-2	24-Jun-15	NM	<4.9	<9.7	<49	<0.049	<0.049	<0.049	<0.098	NM	NM	NM
Cell #1 S-2	24-Sep-15	NM	<4.8	<10	<50	<0.048	<0.048	<0.048	<0.097	2.1	1.2	<0.30
Cell #1 S-2	09-Dec-15	NM	<4.7	<10	<51	<0.047	<0.047	<0.047	<0.095	NM	NM	NM
Cell #1 S-2	07-Mar-16	<19	NM	NM	NM	<0.048	<0.048	<0.048	<0.096	<30	NM	NM
Cell #1 S-2	16-Jun-16	<19	NM	NM	NM	<0.023	<0.047	<0.047	<0.093	<30	NM	NM
Cell #1 S-2	22-Sep-16	NM	<5.0	<9.8	<49	<0.025	<0.050	<0.050	<0.10	99	1.7	4.5
Cell #1 S-2	15-Dec-16	NM	<4.7	<10	<50	<0.024	<0.047	<0.047	<0.094	NM	NM	NM
Cell #1 S-2	13-Apr-17	<19	NM	NM	NM	<0.023	<0.046	<0.046	<0.093	<30	NM	NM
Cell #1 S-2	22-Jun-17	NM	<4.7	<9.9	<50	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-2	20-Sep-17	NM	<4.7	<9.8	<49	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-2	06-Dec-17	NM	<4.7	<9.4	<47	NM	NM	NM	NM	70	<1.5	14
Cell #1 S-2	13-Mar-18	<19	NM	NM	NM	<0.023	<0.047	<0.047	<0.094	<30	NM	NM
Cell #1 S-2	24-Jul-18	NM	<4.9	<9.8	<49	<0.025	<0.049	<0.049	<0.098	NM	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	TPH mg/kg	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	Fluoride mg/kg	Nitrate mg/kg
	Method	418.1	8015D	8015M/D	8015M/D	8021B	8021B	8021B	8021B	300.0	300.0	300.0
	NMOCD Approved Background	20		20		0.05	0.05	0.05	0.1	25	0.6	0.3
Cell #1 S-2	17-Sep-18	<19	NM	NM	NM	<0.024	<0.047	<0.047	<0.095	36	1.9	6.4
Cell #1 S-2	19-Dec-18	NM	<4.9	<9.5	<47	<0.025	<0.049	<0.049	<0.099	NM	NM	NM
Cell #1 S-2	28-Mar-19	<19	NM	NM	NM	<0.025	<0.050	<0.050	<0.10	66	NM	NM
VZ Cell #1C	29-Mar-13	NM	<5.0	24	80	<0.050	<0.050	<0.050	<0.10	<7.5	3.5	3.3
Cell #1 S-3	6-May-14	<20	NM	NM	NM	<0.048	<0.048	<0.048	<0.096	37	1.7	0.35
Cell #1 S-3	1-Oct-14	<20	NM	NM	NM	<0.047	<0.047	<0.047	<0.094	<30	NM	NM
Cell #1 S-3	9-Dec-14	<20	NM	NM	NM	<0.049	<0.049	<0.049	<0.097	<30	NM	NM
Cell #1 S-3	27-Mar-15	<20	NM	NM	NM	<0.046	<0.046	<0.046	<0.092	39	NM	NM
Cell #1 S-3	24-Jun-15	NM	<5.0	<9.8	<49	<0.050	<0.050	<0.050	<0.10	NM	NM	NM
Cell #1 S-3	24-Sep-15	NM	<4.8	<9.9	<50	<0.048	<0.048	<0.048	<0.097	<7.5	2.0	4.6
Cell #1 S-3	09-Dec-15	NM	<4.9	<10	<50	<0.049	<0.049	<0.049	<0.099	NM	NM	NM
Cell #1 S-3	07-Mar-16	<20	NM	NM	NM	<0.048	<0.048	<0.048	<0.097	<30	NM	NM
Cell #1 S-3	16-Jun-16	<19	NM	NM	NM	<0.023	<0.047	<0.047	<0.093	66	NM	NM
Cell #1 S-3	22-Sep-16	NM	<5.0	<9.6	<48	<0.025	<0.050	<0.050	<0.10	20	1.2	5.6
Cell #1 S-3	15-Dec-16	NM	<4.9	<9.7	<48	<0.024	<0.049	<0.049	<0.097	NM	NM	NM
Cell #1 S-3	13-Apr-17	<19	NM	NM	NM	<0.023	<0.047	<0.047	<0.094	<30	NM	NM
Cell #1 S-3	22-Jun-17	NM	<4.7	<9.8	<49	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-3	20-Sep-17	NM	<4.7	<9.4	<47	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-3	06-Dec-17	NM	<4.9	<9.4	<47	NM	NM	NM	NM	2.30	1.2	5.6
Cell #1 S-3	13-Mar-18	<19	NM	NM	NM	<0.024	<0.048	<0.048	<0.096	<30	NM	NM
Cell #1 S-3	24-Jul-18	NM	<4.9	<9.8	<49	<0.025	<0.049	<0.049	<0.099	NM	NM	NM
Cell #1 S-3	17-Sep-18	<19	NM	NM	NM	<0.024	<0.048	<0.048	<0.096	<7.5	<1.5	10

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	TPH mg/kg	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	Fluoride mg/kg	Nitrate mg/kg
	Method	418.1	8015D	8015M/D	8015M/D	8021B	8021B	8021B	8021B	300.0	300.0	300.0
	NMOCD Approved Background	20		20		0.05	0.05	0.05	0.1	25	0.6	0.3
Cell #1 S-3	19-Dec-18	NM	<4.8	<9.9	<4.9	<0.024	<0.048	<0.048	<0.096	NM	NM	NM
Cell #1 S-3	28-Mar-19	<20	NM	NM	NM	<0.025	<0.049	<0.049	<0.099	<60	NM	NM
VZ Cell #1D	29-Mar-13	NM	<5.0	19	56	<0.050	<0.050	<0.050	<0.10	34	2.1	<1.5
Cell #1 S-4	6-May-14	<20	NM	NM	NM	<0.047	<0.047	<0.047	<0.093	280	0.98	3.0
Cell #1 S-4	1-Oct-14	<20	NM	NM	NM	<0.047	<0.047	<0.047	<0.094	<30	NM	NM
Cell #1 S-4	9-Dec-14	<20	NM	NM	NM	<0.050	<0.050	<0.050	<0.099	110	NM	NM
Cell #1 S-4	27-Mar-15	<20	NM	NM	NM	<0.047	<0.047	<0.047	<0.094	730	NM	NM
Cell #1 S-4	24-Jun-15	NM	<4.8	<9.9	<49	<0.048	<0.048	<0.048	<0.097	NM	NM	NM
Cell #1 S-4	24-Sep-15	NM	<4.8	<10	<50	<0.048	<0.048	<0.048	<0.097	120	2.6	5.3
Cell #1 S-4	09-Dec-15	NM	<4.8	<9.9	<49	<0.048	<0.048	<0.048	<0.096	NM	NM	NM
Cell #1 S-4	07-Mar-16	<20	NM	NM	NM	<0.049	<0.049	<0.049	<0.098	<30	NM	NM
Cell #1 S-4	16-Jun-16	<20	NM	NM	NM	<0.023	<0.046	<0.046	<0.092	<30	NM	NM
Cell #1 S-4	22-Sep-16	NM	<4.6	<10	<51	<0.023	<0.046	<0.046	<0.091	<1.5	0.55	1.9
Cell #1 S-4	15-Dec-16	NM	<4.9	<9.6	<48	<0.024	<0.049	<0.049	<0.097	NM	NM	NM
Cell #1 S-4	13-Apr-17	<19	NM	NM	NM	<0.025	<0.049	<0.049	<0.099	<30	NM	NM
Cell #1 S-4	22-Jun-17	NM	<4.7	<9.8	<49	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-4	20-Sep-17	NM	<4.8	<10	<50	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-4	06-Dec-17	NM	<4.8	<9.6	<48	NM	NM	NM	NM	6.10	0.42	20
Cell #1 S-4	13-Mar-18	<19	NM	NM	NM	<0.024	<0.049	<0.049	<0.097	<30	NM	NM
Cell #1 S-4	24-Jul-18	NM	<5.0	<9.8	<49	<0.025	<0.050	<0.050	<0.099	NM	NM	NM
Cell #1 S-4	17-Sep-18	<19	NM	NM	NM	<0.023	<0.046	<0.046	<0.092	<7.5	<1.5	24
Cell #1 S-4	19-Dec-18	NM	<4.7	<9.6	<48	<0.024	<0.047	<0.047	<0.094	NM	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	TPH mg/kg	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	Fluoride mg/kg	Nitrate mg/kg
	Method	418.1	8015D	8015M/D	8015M/D	8021B	8021B	8021B	8021B	300.0	300.0	300.0
NMOCD Approved Background		20	20			0.05	0.05	0.05	0.1	25	0.6	0.3
Cell #1 S-4	28-Mar-19	<20	NM	NM	NM	<0.025	<0.049	<0.049	<0.099	<60	NM	NM
VZ Cell #2	18-Sep-12	NM	<5.0	<9.9	NM	<0.050	<0.050	<0.050	<0.10	15	<3.0	<3.0
VZ Cell #2	6-Dec-12	NM	<5.0	<10	<50	<0.050	<0.050	<0.050	<0.10	<7.5	NM	NM
VZ Cell #2	29-Mar-13	NM	<5.0	<10	<50	<0.050	<0.050	<0.050	<0.10	<7.5	<1.5	3.3
VZ Cell #2	1-Jul-13	NM	<5.0	<10	<50	<0.050	<0.050	<0.050	<0.10	<7.5	NM	NM
VZ Cell #2	9-Oct-13	NM	<5.0	<10	<50	<0.050	<0.050	<0.050	<0.10	1.6	0.85	3.8
VZ Cell #2	31-Mar-14	<20	<2.8	<9.9	<50	<0.028	<0.028	<0.028	<0.056	<30	NM	NM
Cell #2 S-1	08-May-14	<20	NM	NM	NM	<0.047	<0.047	<0.047	<0.093	6.2	0.69	5.2
Cell #2 S-1	01-Oct-14	<20	NM	NM	NM	<0.047	<0.047	<0.047	<0.095	<30	NM	NM
Cell #2 S-1	09-Dec-14	<20	NM	NM	NM	<0.047	<0.047	<0.047	<0.094	<30	NM	NM
Cell #2 S-1	27-Mar-15	<20	NM	NM	NM	<0.049	<0.049	<0.049	<0.099	<30	NM	NM
Cell #2 S-1	24-Jun-15	NM	<4.9	<10	<50	<0.049	<0.049	<0.049	<0.098	NM	NM	NM
Cell #2 S-1	24-Sep-15	NM	<4.8	<9.9	<49	<0.048	<0.048	<0.048	<0.097	87	0.46	1.2
Cell #2 S-1	09-Dec-15	NM	<5.0	<10	<50	<0.050	<0.050	<0.050	<0.099	NM	NM	NM
Cell #2 S-1	07-Mar-16	<19	NM	NM	NM	<0.049	<0.049	<0.049	<0.099	<30	NM	NM
Cell #2 S-1	16-Jun-16	<20	NM	NM	NM	<0.025	<0.050	<0.050	<0.099	52	NM	NM
Cell #2 S-1	22-Sep-16	NM	<4.8	<9.8	<49	<0.024	<0.048	<0.048	<0.097	17	1.0	1.1
Cell #2 S-1	15-Dec-16	NM	<4.9	<9.3	<47	<0.024	<0.049	<0.049	<0.098	NM	NM	NM
Cell #2 S-1	13-Apr-17	43	NM	NM	NM	<0.024	<0.047	<0.047	<0.095	<30	NM	NM
Cell #2 S-1	22-Jun-17	NM	<4.9	<9.4	<47	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-1	20-Sep-17	NM	<4.7	<9.9	<49	NM	NM	NM	NM	NM	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	TPH mg/kg	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	Fluoride mg/kg	Nitrate mg/kg
	Method	418.1	8015D	8015M/D	8015M/D	8021B	8021B	8021B	8021B	300.0	300.0	300.0
	NMOCD Approved Background	20		20		0.05	0.05	0.05	0.1	25	0.6	0.3
Cell #2 S-1	06-Dec-17	NM	<4.8	<9.5	<47	NM	NM	NM	NM	17	0.94	2.6
Cell #2 S-1	13-Mar-18	550	NM	NM	NM	<0.025	<0.049	<0.049	<0.098	<30	NM	NM
Cell #2 S-1	24-Jul-18	NM	<5.0	<9.3	<46	<0.025	<0.050	<0.050	<0.10	NM	NM	NM
Cell #2 S-1	17-Sep-18	<19	NM	NM	NM	<0.024	<0.047	<0.047	<0.094	10	<1.5	2.7
Cell #2 S-1	19-Dec-18	NM	<4.8	<9.8	<49	<0.024	<0.048	<0.048	<0.095	NM	NM	NM
Cell #2 S-1	28-Mar-19	<19	NM	NM	NM	<0.024	<0.048	<0.048	<0.097	<60	NM	NM
Cell #2 S-2	8-May-14	<20	NM	NM	NM	<0.047	<0.047	<0.047	<0.095	9.5	0.9	1.3
Cell #2 S-2	1-Oct-14	<20	NM	NM	NM	<0.048	<0.048	<0.048	<0.096	37	NM	NM
Cell #2 S-2	9-Dec-14	<20	NM	NM	NM	<0.048	<0.048	<0.048	<0.096	<30	NM	NM
Cell #2 S-2	27-Mar-15	<20	NM	NM	NM	<0.049	<0.049	<0.049	<0.098	<30	NM	NM
Cell #2 S-2	24-Jun-15	NM	<4.8	<9.6	<48	<0.048	<0.048	<0.048	<0.097	NM	NM	NM
Cell #2 S-2	24-Sep-15	NM	<4.9	<9.8	<49	<0.049	<0.049	<0.049	<0.097	37	0.83	<0.30
Cell #2 S-2	09-Dec-15	NM	<5.0	<9.9	<49	<0.050	<0.050	<0.050	<0.10	NM	NM	NM
Cell #2 S-2	07-Mar-16	<20	NM	NM	NM	<0.048	<0.048	<0.048	<0.095	<30	NM	NM
Cell #2 S-2	16-Jun-16	<20	NM	NM	NM	<0.023	<0.046	<0.046	<0.092	<30	NM	NM
Cell #2 S-2	22-Sep-16	NM	<4.6	<9.7	<48	<0.023	<0.046	<0.046	<0.093	8.9	0.48	5.5
Cell #2 S-2	15-Dec-16	NM	<4.8	<9.3	<47	<0.024	<0.048	<0.048	<0.095	NM	NM	NM
Cell #2 S-2	13-Apr-17	<19	NM	NM	NM	<0.025	<0.050	<0.050	<0.10	<30	NM	NM
Cell #2 S-2	22-Jun-17	NM	<4.8	<9.5	<48	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-2	20-Sep-17	NM	<4.7	<9.2	<46	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-2	06-Dec-17	NM	<4.7	<9.5	<47	NM	NM	NM	NM	32	0.76	1.7
Cell #2 S-2	13-Mar-18	<19	NM	NM	NM	<0.024	<0.049	<0.049	<0.098	<30	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	TPH mg/kg	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	Fluoride mg/kg	Nitrate mg/kg
	Method	418.1	8015D	8015M/D	8015M/D	8021B	8021B	8021B	8021B	300.0	300.0	300.0
	NMOCD Approved Background	20		20		0.05	0.05	0.05	0.1	25	0.6	0.3
Cell #2 S-2	24-Jul-18	NM	<4.6	<9.6	<48	<0.023	<0.046	<0.046	<0.092	NM	NM	NM
Cell #2 S-2	17-Sep-18	<19	NM	NM	NM	<0.024	<0.049	<0.049	<0.098	12	<1.5	8.2
Cell #2 S-2	19-Dec-18	NM	<4.9	<9.6	<48	<0.024	<0.049	<0.049	<0.098	NM	NM	NM
Cell #2 S-2	28-Mar-19	<20	NM	NM	NM	<0.024	<0.048	<0.048	<0.096	<59	NM	NM
Cell #2 S-3	8-May-14	870	NM	NM	NM	<0.048	<0.048	<0.048	<0.096	15	1.6	<1.5
Cell #2 S-3	1-Oct-14	46	NM	NM	NM	<0.048	<0.048	<0.048	<0.095	<30	NM	NM
Cell #2 S-3	9-Dec-14	<20	NM	NM	NM	<0.048	<0.048	<0.048	<0.095	<30	NM	NM
Cell #2 S-3	27-Mar-15	<20	NM	NM	NM	<0.047	<0.047	<0.047	<0.093	<30	NM	NM
Cell #2 S-3	24-Jun-15	NM	<4.7	<9.7	<48	<0.047	<0.047	<0.047	<0.095	NM	NM	NM
Cell #2 S-3	24-Sep-15	NM	<4.8	450	920	<0.048	<0.048	<0.048	<0.097	13	0.99	6.1
Cell #2 S-3	09-Dec-15	NM	<4.9	<9.8	<49	<0.049	<0.049	<0.049	<0.099	NM	NM	NM
Cell #2 S-3	07-Mar-16	<20	NM	NM	NM	<0.048	<0.048	<0.048	<0.097	<30	NM	NM
Cell #2 S-3	16-Jun-16	<20	NM	NM	NM	<0.024	<0.047	<0.047	<0.095	<30	NM	NM
Cell #2 S-3	22-Sep-16	NM	<4.7	<9.9	<50	<0.024	<0.047	<0.047	<0.094	13	0.64	5.1
Cell #2 S-3	15-Dec-16	NM	<5.0	<9.9	<50	<0.025	<0.050	<0.050	<0.099	NM	NM	NM
Cell #2 S-3	13-Apr-17	34	NM	NM	NM	<0.023	<0.046	<0.046	<0.092	<30	NM	NM
Cell #2 S-3	22-Jun-17	NM	<4.8	<10	<50	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-3	20-Sep-17	NM	<4.8	<10	<50	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-3	06-Dec-17	NM	<4.8	17	<47	NM	NM	NM	NM	14.0	<0.30	<0.30
Cell #2 S-3	13-Mar-18	<19	NM	NM	NM	<0.024	<0.049	<0.049	<0.097	<30	NM	NM
Cell #2 S-3	24-Jul-18	NM	4.7	<9.4	<47	<0.024	<0.047	<0.047	<0.094	NM	NM	NM
Cell #2 S-3	17-Sep-18	<20	NM	NM	NM	<0.025	<0.050	<0.050	<0.099	10	<1.5	9.1

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	TPH mg/kg	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	Fluoride mg/kg	Nitrate mg/kg
	Method	418.1	8015D	8015M/D	8015M/D	8021B	8021B	8021B	8021B	300.0	300.0	300.0
	NMOCD Approved Background	20		20		0.05	0.05	0.05	0.1	25	0.6	0.3
Cell #2 S-3	19-Dec-18	NM	<4.8	<9.5	<48	<0.024	<0.048	<0.048	<0.096	NM	NM	NM
Cell #2 S-3	28-Mar-19	<20	NM	NM	NM	<0.024	<0.048	<0.048	<0.097	<60	NM	NM
Cell #2 S-4	8-May-14	<20	NM	NM	NM	<0.047	<0.047	<0.047	<0.094	<7.5	<1.5	18
Cell #2 S-4	1-Oct-14	<20	NM	NM	NM	<0.048	<0.048	<0.048	<0.096	<30	NM	NM
Cell #2 S-4	9-Dec-14	<20	NM	NM	NM	<0.048	<0.048	<0.048	<0.097	<30	NM	NM
Cell #2 S-4	27-Mar-15	<20	NM	NM	NM	<0.048	<0.048	<0.048	<0.096	<30	NM	NM
Cell #2 S-4	24-Jun-15	NM	<5.0	<9.8	<49	<0.050	<0.050	<0.050	<0.099	NM	NM	NM
Cell #2 S-4	24-Sep-15	NM	<4.8	<9.9	<49	<0.048	<0.048	<0.048	<0.097	14	<1.5	4.0
Cell #2 S-4	09-Dec-15	NM	<4.9	<9.7	<49	<0.049	<0.049	<0.049	<0.097	NM	NM	NM
Cell #2 S-4	07-Mar-16	<20	NM	NM	NM	<0.049	<0.049	<0.049	<0.098	<30	NM	NM
Cell #2 S-4	16-Jun-16	<20	NM	NM	NM	<0.023	<0.046	<0.046	<0.092	<30	NM	NM
Cell #2 S-4	22-Sep-16	NM	<4.8	<9.2	<46	<0.024	<0.048	<0.048	<0.096	8.2	0.48	21
Cell #2 S-4	15-Dec-16	NM	<4.7	<9.4	<47	<0.023	<0.047	<0.047	<0.093	NM	NM	NM
Cell #2 S-4	13-Apr-17	710	NM	NM	NM	<0.024	<0.048	<0.048	<0.095	<30	NM	NM
Cell #2 S-4	22-Jun-17	NM	<4.9	<9.4	<47	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-4	20-Sep-17	NM	<4.8	<9.3	<47	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-4	06-Dec-17	NM	<4.6	<10	<51	NM	NM	NM	NM	41	0.72	<0.30
Cell #2 S-4	13-Mar-18	<18	NM	NM	NM	<0.024	<0.047	<0.047	<0.095	<30	NM	NM
Cell #2 S-4	24-Jul-18	NM	<5.0	<9.4	<47	<0.025	<0.050	<0.050	<0.10	NM	NM	NM
Cell #2 S-4	17-Sep-18	<20	NM	NM	NM	<0.025	<0.049	<0.049	<0.099	40	0.35	<0.30
Cell #2 S-4	19-Dec-18	NM	<4.7	17	<50	<0.024	<0.047	<0.047	<0.095	NM	NM	NM
Cell #2 S-4	28-Mar-19	<20	NM	NM	NM	<0.025	<0.049	<0.049	<0.098	<61	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	TPH mg/kg	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	Fluoride mg/kg	Nitrate mg/kg
	Method	418.1	8015D	8015M/D	8015M/D	8021B	8021B	8021B	8021B	300.0	300.0	300.0
	NMOCD Approved Background	20		20		0.05	0.05	0.05	0.1	25	0.6	0.3
VZ Cell #3	18-Sep-12	NM	<5.0	<10	NM	<0.050	<0.050	<0.050	<0.10	<15	<3.0	7.2
VZ Cell #3	06-Dec-12	NM	<5.0	71	150	<0.050	<0.050	<0.050	<0.10	<7.5	NM	NM
VZ Cell #3	01-Jul-13	NM	<5.0	16	<50	<0.050	<0.050	<0.050	<0.10	8.6	NM	NM
VZ Cell #3	09-Oct-13	NM	<5.0	<10	<50	<0.050	<0.050	<0.050	<0.10	<1.5	2.1	3.2
VZ Cell #3	31-Mar-14	<20	<2.5	11	<50	<0.025	<0.025	<0.025	<0.049	<30	NM	NM
VZ Cell #3A	29-Mar-13	NM	<5.0	<9.8	<49	<0.050	<0.050	<0.050	<0.10	<7.5	3.8	<1.5
Cell #3 S-1	08-May-14	<20	NM	NM	NM	<0.047	<0.047	<0.047	<0.093	15	0.38	0.59
Cell #3 S-1	01-Oct-14	<20	NM	NM	NM	<0.050	<0.050	<0.050	<0.099	<30	NM	NM
Cell #3 S-1	03-Dec-14	<20	NM	NM	NM	<0.047	<0.047	<0.047	<0.093	<1.5	NM	NM
Cell #3 S-1	27-Mar-15	<20	NM	NM	NM	<0.048	<0.048	<0.048	<0.096	<30	NM	NM
Cell #3 S-1	24-Jun-15	NM	<4.7	<9.7	<49	<0.047	<0.047	<0.047	<0.094	NM	NM	NM
Cell #3 S-1	24-Sep-15	NM	<4.8	<10	<50	<0.048	<0.048	<0.048	<0.097	19	0.63	8.1
Cell #3 S-1	09-Dec-15	NM	<4.7	<9.9	<50	<0.047	<0.047	<0.047	<0.094	NM	NM	NM
Cell #3 S-1	07-Mar-16	<19	NM	NM	NM	<0.048	<0.048	<0.048	<0.097	<30	NM	NM
Cell #3 S-1	16-Jun-16	<19	NM	NM	NM	<0.023	<0.046	<0.046	<0.093	<30	NM	NM
Cell #3 S-1	22-Sep-16	NM	<4.8	<9.8	<49	<0.024	<0.048	<0.048	<0.095	<1.5	0.83	3.3
Cell #3 S-1	15-Dec-16	NM	<5.0	<9.9	<50	<0.025	<0.050	<0.050	<0.10	NM	NM	NM
Cell #3 S-1	13-Apr-17	<19	NM	NM	NM	<0.023	<0.046	<0.046	<0.092	<30	NM	NM
Cell #3 S-1	22-Jun-17	NM	<4.9	<9.7	<48	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-1	20-Sep-17	NM	<4.7	<9.6	<48	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-1	06-Dec-17	NM	<4.9	<10	<51	NM	NM	NM	NM	3.9	0.51	1.5

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	TPH mg/kg	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	Fluoride mg/kg	Nitrate mg/kg
	Method	418.1	8015D	8015M/D	8015M/D	8021B	8021B	8021B	8021B	300.0	300.0	300.0
	NMOCD Approved Background	20		20		0.05	0.05	0.05	0.1	25	0.6	0.3
Cell #3 S-1	13-Mar-18	<19	NM	NM	NM	<0.024	<0.048	<0.048	<0.097	<30	NM	NM
Cell #3 S-1	24-Jul-18	NM	<4.7	<9.3	<46	<0.024	<0.047	<0.047	<0.094	NM	NM	NM
Cell #3 S-1	17-Sep-18	<20	NM	NM	NM	<0.024	<0.047	<0.047	<0.094	<7.5	<1.5	4.6
Cell #3 S-1	19-Dec-18	NM	<4.8	<10	<50	<0.024	<0.048	<0.048	<0.097	NM	NM	NM
Cell #3 S-1	28-Mar-19	<19	NM	NM	NM	<0.024	<0.048	<0.048	<0.096	<60	NM	NM
VZ Cell #3B	29-Mar-13	NM	<5.0	41	60	<0.050	<0.050	<0.050	<0.10	<7.5	3.9	1.6
Cell #3 S-2	8-May-14	<20	NM	NM	NM	<0.047	<0.047	<0.047	<0.094	20	1.3	10
Cell #3 S-2	1-Oct-14	36	NM	NM	NM	<0.049	<0.049	<0.049	<0.097	<30	NM	NM
Cell #3 S-2	3-Dec-14	<20	NM	NM	NM	<0.047	<0.047	<0.047	<0.095	1.7	NM	NM
Cell #3 S-2	27-Mar-15	<20	NM	NM	NM	<0.048	<0.048	<0.048	<0.096	<30	NM	NM
Cell #3 S-2	24-Jun-15	NM	<5.0	<9.8	<49	<0.050	<0.050	<0.050	<0.10	NM	NM	NM
Cell #3 S-2	24-Sep-15	NM	<4.8	<9.9	<49	<0.048	<0.048	<0.048	<0.096	3.7	2.0	2.8
Cell #3 S-2	09-Dec-15	NM	<4.8	<9.5	<47	<0.048	<0.048	<0.048	<0.096	NM	NM	NM
Cell #3 S-2	07-Mar-16	<20	NM	NM	NM	<0.049	<0.049	<0.049	<0.098	<30	NM	NM
Cell #3 S-2	16-Jun-16	<20	NM	NM	NM	<0.024	<0.047	<0.047	<0.095	<30	NM	NM
Cell #3 S-2	22-Sep-16	NM	<4.8	<10	<50	<0.024	<0.048	<0.048	<0.096	9.6	<1.5	<1.5
Cell #3 S-2	15-Dec-16	NM	<4.8	<9.5	<47	<0.024	<0.048	<0.048	<0.096	NM	NM	NM
Cell #3 S-2	13-Apr-17	<18	NM	NM	NM	<0.023	<0.047	<0.047	<0.094	<30	NM	NM
Cell #3 S-2	22-Jun-17	NM	<4.8	<10	<50	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-2	20-Sep-17	NM	<4.7	<9.8	<49	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-2	06-Dec-17	NM	<4.9	<9.7	<48	NM	NM	NM	NM	<7.5	<1.5	<1.5
Cell #3 S-2	13-Mar-18	<19	NM	NM	NM	<0.024	<0.049	<0.049	<0.097	<30	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	TPH mg/kg	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	Fluoride mg/kg	Nitrate mg/kg
	Method	418.1	8015D	8015M/D	8015M/D	8021B	8021B	8021B	8021B	300.0	300.0	300.0
	NMOCD Approved Background	20		20		0.05	0.05	0.05	0.1	25	0.6	0.3
Cell #3 S-2	24-Jul-18	NM	<4.7	<9.2	<46	<0.023	<0.047	<0.047	<0.094	NM	NM	NM
Cell #3 S-2	17-Sep-18	<20	NM	NM	NM	<0.024	<0.048	<0.048	<0.095	9.5	1.6	1.9
Cell #3 S-2	19-Dec-18	NM	<4.7	<9.7	<48	<0.023	<0.047	<0.047	<0.094	NM	NM	NM
Cell #3 S-2	28-Mar-19	<19	NM	NM	NM	<0.024	<0.048	<0.048	<0.095	<60	NM	NM
VZ Cell #3C	29-Mar-13	NM	<5.0	<10	<50	<0.050	<0.050	<0.050	<0.10	<7.5	3.4	6.5
Cell #3 S-3	8-May-14	<20	NM	NM	NM	<0.048	<0.048	<0.048	<0.096	7.6	1.5	9.3
Cell #3 S-3	1-Oct-14	170	NM	NM	NM	<0.048	<0.048	<0.048	<0.096	<30	NM	NM
Cell #3 S-3	3-Dec-14	<20	NM	NM	NM	<0.047	<0.047	<0.047	<0.093	6.1	NM	NM
Cell #3 S-3	27-Mar-15	63	NM	NM	NM	<0.050	<0.050	<0.050	<0.10	<30	NM	NM
Cell #3 S-3	24-Jun-15	NM	<4.8	<10	<50	<0.048	<0.048	<0.048	<0.096	NM	NM	NM
Cell #3 S-3	24-Sep-15	NM	<4.8	<10	<50	<0.048	<0.048	<0.048	<0.097	7.7	0.56	7.0
Cell #3 S-3	09-Dec-15	NM	<4.7	<9.9	<49	<0.047	<0.047	<0.047	<0.094	NM	NM	NM
Cell #3 S-3	07-Mar-16	5,300	NM	NM	NM	<0.047	<0.047	<0.047	<0.093	<30	NM	NM
Cell #3 S-3	16-Jun-16	<20	NM	NM	NM	<0.024	<0.049	<0.049	<0.098	<30	NM	NM
Cell #3 S-3	22-Sep-16	NM	<4.8	<9.9	<50	<0.024	<0.048	<0.048	<0.097	5.2	1.8	5.2
Cell #3 S-3	15-Dec-16	NM	<4.8	15	<50	<0.024	<0.048	<0.048	<0.096	NM	NM	NM
Cell #3 S-3	13-Apr-17	<19	NM	NM	NM	<0.025	<0.049	<0.049	<0.099	<30	NM	NM
Cell #3 S-3	22-Jun-17	NM	<4.7	<10	<50	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-3	20-Sep-17	NM	<4.9	<9.8	<49	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-3	06-Dec-17	NM	<4.9	<9.3	<47	NM	NM	NM	NM	7.6	2.0	12
Cell #3 S-3	13-Mar-18	<19	NM	NM	NM	<0.023	<0.047	<0.047	<0.094	<30	NM	NM
Cell #3 S-3	24-Jul-18	NM	<5.0	<9.7	<48	<0.025	<0.050	<0.050	<0.10	NM	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	TPH mg/kg	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	Fluoride mg/kg	Nitrate mg/kg
	Method	418.1	8015D	8015M/D	8015M/D	8021B	8021B	8021B	8021B	300.0	300.0	300.0
	NMOCD Approved Background	20		20		0.05	0.05	0.05	0.1	25	0.6	0.3
Cell #3 S-3	17-Sep-18	<19	NM	NM	NM	<0.024	<0.048	<0.048	<0.096	8.0	4.0	2.6
Cell #3 S-3	19-Dec-18	NM	<5.0	<9.7	<49	<0.025	<0.050	<0.050	<0.099	NM	NM	NM
Cell #3 S-3	28-Mar-19	<20	NM	NM	NM	<0.023	<0.047	<0.047	<0.094	<60	NM	NM
VZ Cell #3D	29-Mar-13	NM	<5.0	<10	<50	<0.050	<0.050	<0.050	<0.10	<7.5	3.7	2.6
Cell #3 S-4	8-May-14	<20	NM	NM	NM	<0.048	<0.048	<0.048	<0.095	<7.5	<1.5	<1.5
Cell #3 S-4	1-Oct-14	<20	NM	NM	NM	<0.047	<0.047	<0.047	<0.095	<30	NM	NM
Cell #3 S-4	3-Dec-14	<20	NM	NM	NM	<0.048	<0.048	<0.048	<0.096	1.6	NM	NM
Cell #3 S-4	27-Mar-15	<20	NM	NM	NM	<0.049	<0.049	<0.049	<0.098	<30	NM	NM
Cell #3 S-4	24-Jun-15	NM	<4.7	<9.7	<49	<0.047	<0.047	<0.047	<0.094	NM	NM	NM
Cell #3 S-4	24-Sep-15	NM	<4.8	<9.5	<48	<0.048	<0.048	<0.048	<0.097	14	1.6	10
Cell #3 S-4	09-Dec-15	NM	<4.6	<10	<50	<0.046	<0.046	<0.046	<0.092	NM	NM	NM
Cell #3 S-4	07-Mar-16	<19	NM	NM	NM	<0.048	<0.048	<0.048	<0.096	<30	NM	NM
Cell #3 S-4	16-Jun-16	<19	NM	NM	NM	<0.023	<0.046	<0.046	<0.092	<30	NM	NM
Cell #3 S-4	22-Sep-16	NM	<4.6	<9.7	<49	<0.023	<0.046	<0.046	<0.092	<7.5	<1.5	2.2
Cell #3 S-4	15-Dec-16	NM	<4.6	<9.2	<46	<0.023	<0.046	<0.046	<0.093	NM	NM	NM
Cell #3 S-4	13-Apr-17	<19	NM	NM	NM	<0.024	<0.047	<0.047	<0.094	<30	NM	NM
Cell #3 S-4	22-Jun-17	NM	<4.8	<9.3	<46	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-4	20-Sep-17	NM	<4.9	<10	<50	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-4	06-Dec-17	NM	<4.7	<9.6	<48	NM	NM	NM	NM	<7.5	<1.5	1.7
Cell #3 S-4	13-Mar-18	<18	NM	NM	NM	<0.023	<0.046	<0.046	<0.093	<30	NM	NM
Cell #3 S-4	24-Jul-18	NM	<4.8	<10	<50	<0.024	<0.048	<0.048	<0.095	NM	NM	NM
Cell #3 S-4	17-Sep-18	<20	NM	NM	NM	<0.024	<0.047	<0.047	<0.095	8.0	<1.5	8.8

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	TPH mg/kg	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	Fluoride mg/kg	Nitrate mg/kg
	Method	418.1	8015D	8015M/D	8015M/D	8021B	8021B	8021B	8021B	300.0	300.0	300.0
	NMOCD Approved Background	20		20		0.05	0.05	0.05	0.1	25	0.6	0.3
Cell #3 S-4	19-Dec-18	NM	<4.9	<10	<50	<0.024	<0.049	<0.049	<0.098	NM	NM	NM
Cell #3 S-4	28-Mar-19	<19	NM	NM	NM	<0.025	<0.050	<0.050	<0.099	<60	NM	NM
VZ Cell #4	18-Sep-12	NM	<5.0	<10	NM	<0.050	<0.050	<0.050	<0.10	<15	3.7	<3.0
VZ Cell #4	06-Dec-12	NM	<5.0	<9.9	<49	<0.050	<0.050	<0.050	<0.10	<7.5	NM	NM
VZ Cell #4	29-Mar-13	NM	<5.0	<11	<53	<0.050	<0.050	<0.050	<0.10	<7.5	2.1	<1.5
VZ Cell #4	01-Jul-13	NM	<5.0	<9.9	<50	<0.050	<0.050	<0.050	<0.10	<7.5	NM	NM
VZ Cell #4	09-Oct-13	NM	<5.0	<9.9	<50	<0.050	<0.050	<0.050	<0.10	6.2	5.7	<0.30
VZ Cell #4	31-Mar-14	<20	<3.4	<9.8	<49	<0.034	<0.034	<0.034	<0.068	<30	NM	NM
Cell #4 S-1	06-May-14	<20	NM	NM	NM	<0.047	<0.047	<0.047	<0.095	<1.5	3.9	0.38
Cell #4 S-1	01-Oct-14	<20	NM	NM	NM	<0.048	<0.048	<0.048	<0.096	<30	NM	NM
Cell #4 S-1	03-Dec-14	<20	NM	NM	NM	<0.048	<0.048	<0.048	<0.096	5.7	NM	NM
Cell #4 S-1	27-Mar-15	<20	NM	NM	NM	<0.048	<0.048	<0.048	<0.096	<30	NM	NM
Cell #4 S-1	24-Jun-15	NM	<4.8	<9.5	<48	<0.048	<0.048	<0.048	<0.097	NM	NM	NM
Cell #4 S-1	24-Sep-15	NM	<4.8	<10	<50	<0.048	<0.048	<0.048	<0.097	1.6	2.5	2.0
Cell #4 S-1	09-Dec-15	NM	<4.7	<9.8	<49	<0.047	<0.047	<0.047	<0.093	NM	NM	NM
Cell #4 S-1	07-Mar-16	<20	NM	NM	NM	<0.047	<0.047	<0.047	<0.094	<30	NM	NM
Cell #4 S-1	16-Jun-16	<19	NM	NM	NM	<0.024	<0.047	<0.047	<0.095	<30	NM	NM
Cell #4 S-1	22-Sep-16	NM	<4.6	<9.8	<49	<0.023	<0.046	<0.046	<0.092	<7.5	<1.5	6.7
Cell #4 S-1	15-Dec-16	NM	<4.8	<9.9	<50	<0.024	<0.048	<0.048	<0.096	NM	NM	NM
Cell #4 S-1	13-Apr-17	<20	NM	NM	NM	<0.024	<0.049	<0.049	<0.098	<30	NM	NM
Cell #4 S-1	22-Jun-17	NM	<4.8	<9.5	<47	NM	NM	NM	NM	NM	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	TPH mg/kg	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	Fluoride mg/kg	Nitrate mg/kg
	Method	418.1	8015D	8015M/D	8015M/D	8021B	8021B	8021B	8021B	300.0	300.0	300.0
	NMOCD Approved Background	20		20		0.05	0.05	0.05	0.1	25	0.6	0.3
Cell #4 S-1	20-Sep-17	NM	<4.9	<9.6	<48	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-1	06-Dec-17	NM	<4.7	<9.3	<46	NM	NM	NM	NM	<7.5	<1.5	11
Cell #4 S-1	13-Mar-18	<18	NM	NM	NM	<0.024	<0.047	<0.047	<0.094	32	NM	NM
Cell #4 S-1	24-Jul-18	NM	<4.6	<9.8	<49	<0.023	<0.046	<0.046	<0.092	NM	NM	NM
Cell #4 S-1	17-Sep-18	<19	NM	NM	NM	<0.025	<0.049	<0.049	<0.099	<7.5	1.5	10
Cell #4 S-1	19-Dec-18	NM	<4.7	<9.5	<47	<0.024	<0.047	<0.047	<0.094	NM	NM	NM
Cell #4 S-1	28-Mar-19	<19	NM	NM	NM	<0.023	<0.047	<0.047	<0.093	<60	NM	NM
Cell #4 S-2	6-May-14	<20	NM	NM	NM	<0.046	<0.046	<0.046	<0.093	<1.5	1.8	<0.30
Cell #4 S-2	1-Oct-14	<20	NM	NM	NM	<0.048	<0.048	<0.048	<0.095	<30	NM	NM
Cell #4 S-2	3-Dec-14	<20	NM	NM	NM	<0.049	<0.049	<0.049	<0.098	13	NM	NM
Cell #4 S-2	27-Mar-15	<20	NM	NM	NM	<0.049	<0.049	<0.049	<0.098	<30	NM	NM
Cell #4 S-2	24-Jun-15	NM	<4.9	<10	<50	<0.049	<0.049	<0.049	<0.097	NM	NM	NM
Cell #4 S-2	24-Sep-15	NM	<4.8	<9.5	<48	<0.048	<0.048	<0.048	<0.097	<7.5	<1.5	6.2
Cell #4 S-2	09-Dec-15	NM	<4.7	<10	<50	<0.047	<0.047	<0.047	<0.094	NM	NM	NM
Cell #4 S-2	07-Mar-16	<19	NM	NM	NM	<0.047	<0.047	<0.047	<0.093	<30	NM	NM
Cell #4 S-2	16-Jun-16	<20	NM	NM	NM	<0.023	<0.047	<0.047	<0.094	<30	NM	NM
Cell #4 S-2	22-Sep-16	NM	<4.8	<9.6	<48	<0.024	<0.048	<0.048	<0.095	<7.5	1.9	5.1
Cell #4 S-2	15-Dec-16	NM	<5.0	<9.6	<48	<0.025	<0.050	<0.050	<0.10	NM	NM	NM
Cell #4 S-2	13-Apr-17	<19	NM	NM	NM	<0.024	<0.048	<0.048	<0.097	<30	NM	NM
Cell #4 S-2	22-Jun-17	NM	<4.8	<9.1	<46	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-2	20-Sep-17	NM	<4.7	<9.7	<48	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-2	06-Dec-17	NM	<4.6	<9.7	<48	NM	NM	NM	NM	<7.5	<1.5	7.8

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	TPH mg/kg	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	Fluoride mg/kg	Nitrate mg/kg
	Method	418.1	8015D	8015M/D	8015M/D	8021B	8021B	8021B	8021B	300.0	300.0	300.0
	NMOCD Approved Background	20		20		0.05	0.05	0.05	0.1	25	0.6	0.3
Cell #4 S-2	13-Mar-18	<18	NM	NM	NM	<0.023	<0.046	<0.046	<0.092	<30	NM	NM
Cell #4 S-2	24-Jul-18	NM	<4.9	<9.3	<47	<0.024	<0.049	<0.049	<0.098	NM	NM	NM
Cell #4 S-2	17-Sep-18	<19	NM	NM	NM	<0.024	<0.048	<0.048	<0.097	<7.5	3.3	5.9
Cell #4 S-2	19-Dec-18	NM	<4.7	<9.5	<48	<0.023	<0.047	<0.047	<0.093	NM	NM	NM
Cell #4 S-2	28-Mar-19	<19	NM	NM	NM	<0.023	<0.047	<0.047	<0.093	<60	NM	NM
Cell #4 S-3	6-May-14	<20	NM	NM	NM	<0.049	<0.049	<0.049	<0.098	<1.5	1.8	0.64
Cell #4 S-3	1-Oct-14	<20	NM	NM	NM	<0.048	<0.048	<0.048	<0.096	<30	NM	NM
Cell #4 S-3	3-Dec-14	<20	NM	NM	NM	<0.048	<0.048	<0.048	<0.095	2	NM	NM
Cell #4 S-3	27-Mar-15	<20	NM	NM	NM	<0.047	<0.047	<0.047	<0.095	<30	NM	NM
Cell #4 S-3	24-Jun-15	NM	<4.7	<10	<50	<0.047	<0.047	<0.047	<0.094	NM	NM	NM
Cell #4 S-3	24-Sep-15	NM	<4.8	<10	<50	<0.048	<0.048	<0.048	<0.096	<7.5	<1.5	5.6
Cell #4 S-3	09-Dec-15	NM	<4.7	<9.8	<49	<0.047	<0.047	<0.047	<0.093	NM	NM	NM
Cell #4 S-3	07-Mar-16	<20	NM	NM	NM	<0.048	<0.048	<0.048	<0.096	<30	NM	NM
Cell #4 S-3	16-Jun-16	<19	NM	NM	NM	<0.024	<0.048	<0.048	<0.096	<30	NM	NM
Cell #4 S-3	22-Sep-16	NM	<5.0	<9.5	<48	<0.025	<0.050	<0.050	<0.10	<7.5	3.5	4.1
Cell #4 S-3	15-Dec-16	NM	<5.0	<9.5	<48	<0.025	<0.050	<0.050	<0.099	NM	NM	NM
Cell #4 S-3	13-Apr-17	<19	NM	NM	NM	<0.024	<0.049	<0.049	<0.097	<30	NM	NM
Cell #4 S-3	22-Jun-17	NM	<5.0	<9.8	<49	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-3	20-Sep-17	NM	<4.7	<9.3	<47	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-3	06-Dec-17	NM	<4.6	<9.6	<48	NM	NM	NM	NM	<7.5	<1.5	15
Cell #4 S-3	13-Mar-18	<20	NM	NM	NM	<0.023	<0.047	<0.047	<0.093	<30	NM	NM
Cell #4 S-3	24-Jul-18	NM	<4.8	<9.2	<46	<0.024	<0.048	<0.048	<0.097	NM	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	TPH mg/kg	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	Fluoride mg/kg	Nitrate mg/kg
	Method	418.1	8015D	8015M/D	8015M/D	8021B	8021B	8021B	8021B	300.0	300.0	300.0
	NMOCD Approved Background	20		20		0.05	0.05	0.05	0.1	25	0.6	0.3
Cell #4 S-3	17-Sep-18	<20	NM	NM	NM	<0.023	<0.046	<0.046	<0.092	<7.5	1.8	7.4
Cell #4 S-3	19-Dec-18	NM	<4.7	<9.7	<49	<0.024	<0.047	<0.047	<0.094	NM	NM	NM
Cell #4 S-3	28-Mar-19	<19	NM	NM	NM	<0.024	<0.048	<0.048	<0.097	<60	NM	NM
Cell #4 S-4	6-May-14	<20	NM	NM	NM	<0.048	<0.048	<0.048	<0.096	<7.5	<1.5	<1.5
Cell #4 S-4	1-Oct-14	<20	NM	NM	NM	<0.048	<0.048	<0.048	<0.097	<30	NM	NM
Cell #4 S-4	3-Dec-14	<20	NM	NM	NM	<0.049	<0.049	<0.049	<0.098	4.1	NM	NM
Cell #4 S-4	27-Mar-15	<20	NM	NM	NM	<0.048	<0.048	<0.048	<0.096	<30	NM	NM
Cell #4 S-4	24-Jun-15	NM	<4.8	<9.6	<48	<0.048	<0.048	<0.048	<0.096	NM	NM	NM
Cell #4 S-4	24-Sep-15	NM	<4.8	<9.8	<49	<0.048	<0.048	<0.048	<0.097	2.7	0.84	1.6
Cell #4 S-4	09-Dec-15	NM	<4.9	<10	<50	<0.049	<0.049	<0.049	<0.098	NM	NM	NM
Cell #4 S-4	07-Mar-16	<20	NM	NM	NM	<0.046	<0.046	<0.046	<0.092	<30	NM	NM
Cell #4 S-4	16-Jun-16	<19	NM	NM	NM	<0.023	<0.046	<0.046	<0.093	<30	NM	NM
Cell #4 S-4	22-Sep-16	NM	<4.6	<9.9	<49	<0.023	<0.046	<0.046	<0.092	<7.5	<1.5	<1.5
Cell #4 S-4	15-Dec-16	NM	<4.7	<9.7	<49	<0.023	<0.047	<0.047	<0.094	NM	NM	NM
Cell #4 S-4	13-Apr-17	<19	NM	NM	NM	<0.025	<0.050	<0.050	<0.099	<30	NM	NM
Cell #4 S-4	22-Jun-17	NM	<4.7	<9.4	<47	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-4	20-Sep-17	NM	<4.6	<9.8	<49	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-4	06-Dec-17	NM	<4.9	<9.3	<46	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-4	13-Mar-18	<20	NM	NM	NM	<0.025	<0.049	<0.049	<0.098	<30	NM	NM
Cell #4 S-4	24-Jul-18	NM	<4.8	<9.6	<48	<0.024	<0.048	<0.048	<0.096	NM	NM	NM
Cell #4 S-4	17-Sep-18	<19	NM	NM	NM	<0.024	<0.049	<0.049	<0.098	12	3.7	3.7
Cell #4 S-4	19-Dec-18	NM	<4.7	<9.9	<49	<0.023	<0.047	<0.047	<0.093	NM	NM	NM

TABLE 5

VADOSE ZONE SOIL ANALYTICAL RESULTS

BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	*Date*	*TPH mg/kg*	*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*	*Fluoride mg/kg*	*Nitrate mg/kg*
	Method	***418.1***	***8015D***	***8015M/D***	***8015M/D***	***8021B***	***8021B***	***8021B***	***8021B***	***300.0***	***300.0***	***300.0***
	NMOCD Approved Background	***20***	***20***			***0.05***	***0.05***	***0.05***	***0.1***	***25***	***0.6***	***0.3***
Cell #4 S-4	28-Mar-19	<20	NM	NM	NM	<0.023	<0.046	<0.046	<0.092	<60	NM	NM

Notes:

<	Analyte not detected above listed method limit
NA	Not Applicable
NM	Not Measured

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Sulfate mg/kg	Mercury mg/kg	Arsenic mg/kg	Barium mg/kg	Cadmium mg/kg	Calcium mg/kg	Chromium mg/kg	Copper mg/kg	Iron mg/kg	Lead mg/kg	Magnesium mg/kg
	Method	300.0	7471	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	1.5	0.03	2.5	42	0.1	NA	4.4	3.4	6500	2.1	NA
VZ Cell #1	18-Sep-12	15	<0.033	<12	150	<0.50	5,800	15	NM	NM	5.2	3,600
VZ Cell #1	6-Dec-12	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
VZ Cell #1	1-Jul-13	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
VZ Cell #1	9-Oct-13	9.1	NM	<12	120	<0.50	5,600	17	NM	NM	5.5	3,300
VZ Cell #1	31-Mar-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
VZ Cell #1A	29-Mar-13	110	NM	<12	86	<0.50	4,700	10	NM	NM	4.4	2,000
Cell #1 S-1	6-May-14	5.5	<0.032	<5.0	73	<0.20	2,200	5.5	4.1	9,100	2.9	1,500
Cell #1 S-1	1-Oct-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-1	9-Dec-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-1	27-Mar-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-1	24-Jun-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-1	24-Sep-15	4.9	<0.034	<12	56	<0.50	2,000	4.7	NM	NM	3.4	1,300
Cell #1 S-1	09-Dec-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-1	07-Mar-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-1	16-Jun-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-1	22-Sep-16	22	<0.033	<4.9	110	<0.20	4,000	13	NM	NM	4.8	2,600
Cell #1 S-1	15-Dec-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-1	13-Apr-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-1	22-Jun-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-1	20-Sep-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-1	06-Dec-17	37	<0.033	<12	190	<0.50	5,700	18	NM	NM	4.2	3,800
Cell #1 S-1	13-Mar-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Sulfate mg/kg	Mercury mg/kg	Arsenic mg/kg	Barium mg/kg	Cadmium mg/kg	Calcium mg/kg	Chromium mg/kg	Copper mg/kg	Iron mg/kg	Lead mg/kg	Magnesium mg/kg
	Method	300.0	7471	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	1.5	0.03	2.5	42	0.1	NA	4.4	3.4	6500	2.1	NA
Cell #1 S-1	24-Jul-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-1	17-Sep-18	9.6	<0.033	<12	130	<0.20	5,600	14	NM	NM	3.3	3,300
Cell #1 S-1	19-Dec-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-1	28-Mar-19	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
VZ Cell #1B	29-Mar-13	11	NM	<12	62	<0.50	5,600	13	NM	NM	4.4	2,000
Cell #1 S-2	6-May-14	17	<0.033	<12	130	<0.48	6,800	11	10	18,000	5.4	3,000
Cell #1 S-2	1-Oct-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-2	9-Dec-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-2	27-Mar-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-2	24-Jun-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-2	24-Sep-15	17	<0.033	<12	140	<0.50	7,700	9.4	NM	NM	5.7	2,800
Cell #1 S-2	09-Dec-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-2	07-Mar-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-2	16-Jun-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-2	22-Sep-16	33	<0.033	<5.0	120	<0.20	6,000	13	NM	NM	4.5	2,600
Cell #1 S-2	15-Dec-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-2	13-Apr-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-2	22-Jun-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-2	20-Sep-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-2	06-Dec-17	24	<0.033	<12	160	<0.50	5,300	12	NM	NM	3.9	3,000
Cell #1 S-2	13-Mar-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-2	24-Jul-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Sulfate mg/kg	Mercury mg/kg	Arsenic mg/kg	Barium mg/kg	Cadmium mg/kg	Calcium mg/kg	Chromium mg/kg	Copper mg/kg	Iron mg/kg	Lead mg/kg	Magnesium mg/kg
	Method	300.0	7471	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	1.5	0.03	2.5	42	0.1	NA	4.4	3.4	6500	2.1	NA
Cell #1 S-2	17-Sep-18	18	<0.032	<4.8	120	<0.19	5,100	13	NM	NM	3.3	2,600
Cell #1 S-2	19-Dec-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-2	28-Mar-19	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
VZ Cell #1C	29-Mar-13	9.5	NM	<25	150	<1.0	17,000	20	NM	NM	8.0	4,100
Cell #1 S-3	6-May-14	15	<0.034	<12	150	<0.50	5,900	14	12	20,000	6.1	3,200
Cell #1 S-3	1-Oct-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-3	9-Dec-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-3	27-Mar-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-3	24-Jun-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-3	24-Sep-15	12	<0.033	<12	85	<0.50	2,300	9.7	NM	NM	3.9	2,200
Cell #1 S-3	09-Dec-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-3	07-Mar-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-3	16-Jun-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-3	22-Sep-16	14	<0.033	2.8	74	<0.098	2,700	5.9	NM	NM	3.3	1,600
Cell #1 S-3	15-Dec-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-3	13-Apr-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-3	22-Jun-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-3	20-Sep-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-3	06-Dec-17	16	<0.031	<12	150	<0.49	6,100	9.6	NM	NM	3.8	2,600
Cell #1 S-3	13-Mar-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-3	24-Jul-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-3	17-Sep-18	13	<0.033	<12	120	<0.20	4,400	12	NM	NM	3.9	3,000

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Sulfate mg/kg	Mercury mg/kg	Arsenic mg/kg	Barium mg/kg	Cadmium mg/kg	Calcium mg/kg	Chromium mg/kg	Copper mg/kg	Iron mg/kg	Lead mg/kg	Magnesium mg/kg
	Method	300.0	7471	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	1.5	0.03	2.5	42	0.1	NA	4.4	3.4	6500	2.1	NA
Cell #1 S-3	19-Dec-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-3	28-Mar-19	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
VZ Cell #1D	29-Mar-13	<7.5	NM	<12	56	<0.50	2,300	8.6	NM	NM	4.1	1,300
Cell #1 S-4	6-May-14	21	<0.032	<13	110	<0.51	7,900	15	14	19,000	5.1	3,400
Cell #1 S-4	1-Oct-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-4	9-Dec-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-4	27-Mar-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-4	24-Jun-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-4	24-Sep-15	31	<0.032	<12	87	<0.50	6,900	10	NM	NM	4.7	2,100
Cell #1 S-4	09-Dec-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-4	07-Mar-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-4	16-Jun-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-4	22-Sep-16	3.3	<0.033	3.1	49	<0.10	5,400	4.0	NM	NM	2.6	1,000
Cell #1 S-4	15-Dec-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-4	13-Apr-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-4	22-Jun-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-4	20-Sep-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-4	06-Dec-17	8.5	<0.032	5.8	81	<0.098	2,000	5.4	NM	NM	2.6	1,500
Cell #1 S-4	13-Mar-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-4	24-Jul-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #1 S-4	17-Sep-18	28	<0.032	<4.9	78	<0.097	2,500	6.9	NM	NM	2.2	1,900
Cell #1 S-4	19-Dec-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Sulfate mg/kg	Mercury mg/kg	Arsenic mg/kg	Barium mg/kg	Cadmium mg/kg	Calcium mg/kg	Chromium mg/kg	Copper mg/kg	Iron mg/kg	Lead mg/kg	Magnesium mg/kg
	Method	300.0	7471	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	1.5	0.03	2.5	42	0.1	NA	4.4	3.4	6500	2.1	NA
Cell #1 S-4	28-Mar-19	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
VZ Cell #2	18-Sep-12	<15	<0.033	<12	90	<0.50	7,000	5.2	NM	NM	2.8	1,200
VZ Cell #2	6-Dec-12	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
VZ Cell #2	29-Mar-13	28	0.071	<13	160	<0.50	7,400	10	NM	NM	5.9	2,300
VZ Cell #2	1-Jul-13	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
VZ Cell #2	9-Oct-13	110	NM	<12	170	<0.50	7,400	10	NM	NM	5.7	2,300
VZ Cell #2	31-Mar-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-1	08-May-14	120	<0.034	<5.1	87	<0.20	2,300	5.2	4.3	11,000	3.0	1,200
Cell #2 S-1	01-Oct-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-1	09-Dec-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-1	27-Mar-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-1	24-Jun-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-1	24-Sep-15	74	<0.032	<12	120	<0.49	6,100	5.9	NM	NM	4.6	1,600
Cell #2 S-1	09-Dec-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-1	07-Mar-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-1	16-Jun-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-1	22-Sep-16	16	<0.032	2.6	58	<0.099	1,700	4.4	NM	NM	2.6	1,000
Cell #2 S-1	15-Dec-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-1	13-Apr-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-1	22-Jun-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-1	20-Sep-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Sulfate mg/kg	Mercury mg/kg	Arsenic mg/kg	Barium mg/kg	Cadmium mg/kg	Calcium mg/kg	Chromium mg/kg	Copper mg/kg	Iron mg/kg	Lead mg/kg	Magnesium mg/kg
	Method	300.0	7471	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	1.5	0.03	2.5	42	0.1	NA	4.4	3.4	6500	2.1	NA
Cell #2 S-1	06-Dec-17	44	<0.032	<12	98	<0.48	2.9	6.4	NM	NM	3.7	1,600
Cell #2 S-1	13-Mar-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-1	24-Jul-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-1	17-Sep-18	70	<0.032	3.2	82	<0.099	1,800	4.4	NM	NM	2.3	1,100
Cell #2 S-1	19-Dec-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-1	28-Mar-19	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-2	8-May-14	66	<0.032	<4.9	100	<0.20	5,400	5.9	4.9	12,000	3.2	1,500
Cell #2 S-2	1-Oct-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-2	9-Dec-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-2	27-Mar-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-2	24-Jun-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-2	24-Sep-15	160	<0.032	<13	120	<0.50	6,200	5.9	NM	NM	4.0	1,500
Cell #2 S-2	09-Dec-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-2	07-Mar-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-2	16-Jun-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-2	22-Sep-16	230	<0.032	2.7	76	<0.098	1,600	4.7	NM	NM	2.7	1,100
Cell #2 S-2	15-Dec-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-2	13-Apr-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-2	22-Jun-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-2	20-Sep-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-2	06-Dec-17	120	<0.032	2.7	100	<0.097	1,700	4.7	NM	NM	2.6	1,200
Cell #2 S-2	13-Mar-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Sulfate mg/kg	Mercury mg/kg	Arsenic mg/kg	Barium mg/kg	Cadmium mg/kg	Calcium mg/kg	Chromium mg/kg	Copper mg/kg	Iron mg/kg	Lead mg/kg	Magnesium mg/kg
	Method	300.0	7471	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	1.5	0.03	2.5	42	0.1	NA	4.4	3.4	6500	2.1	NA
Cell #2 S-2	24-Jul-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-2	17-Sep-18	90	<0.033	<5.0	95	<0.10	1,800	5.0	NM	NM	2.9	1,200
Cell #2 S-2	19-Dec-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-2	28-Mar-19	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-3	8-May-14	160	<0.034	<5.1	59	<0.20	3,200	5.7	5.7	9,800	3.4	1,200
Cell #2 S-3	1-Oct-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-3	9-Dec-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-3	27-Mar-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-3	24-Jun-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-3	24-Sep-15	130	<0.033	<12	60	<0.49	5,200	5.6	NM	NM	2.9	1,200
Cell #2 S-3	09-Dec-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-3	07-Mar-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-3	16-Jun-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-3	22-Sep-16	130	<0.032	2.6	86	<0.099	2,500	4.7	NM	NM	2.6	1,200
Cell #2 S-3	15-Dec-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-3	13-Apr-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-3	22-Jun-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-3	20-Sep-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-3	06-Dec-17	34	<0.033	<12	130	<0.50	2,900	9.4	NM	NM	3.1	2,200
Cell #2 S-3	13-Mar-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-3	24-Jul-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-3	17-Sep-18	8.7	<0.033	<2.5	71	<0.10	1,300	4.4	NM	NM	1.9	990

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Sulfate mg/kg	Mercury mg/kg	Arsenic mg/kg	Barium mg/kg	Cadmium mg/kg	Calcium mg/kg	Chromium mg/kg	Copper mg/kg	Iron mg/kg	Lead mg/kg	Magnesium mg/kg
	Method	300.0	7471	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	1.5	0.03	2.5	42	0.1	NA	4.4	3.4	6500	2.1	NA
Cell #2 S-3	19-Dec-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-3	28-Mar-19	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-4	8-May-14	9.9	<0.034	<4.9	95	<0.20	2,400	7.6	5.4	15,000	3.5	1,700
Cell #2 S-4	1-Oct-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-4	9-Dec-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-4	27-Mar-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-4	24-Jun-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-4	24-Sep-15	62	<0.033	<12	120	<0.50	2,900	8.2	NM	NM	4.8	2,100
Cell #2 S-4	09-Dec-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-4	07-Mar-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-4	16-Jun-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-4	22-Sep-16	17	<0.033	2.6	69	<0.099	1,600	6.0	NM	NM	2.7	1,300
Cell #2 S-4	15-Dec-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-4	13-Apr-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-4	22-Jun-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-4	20-Sep-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-4	06-Dec-17	76	<0.031	<2.5	100	<0.098	2,700	4.4	NM	NM	2.7	1,300
Cell #2 S-4	13-Mar-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-4	24-Jul-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-4	17-Sep-18	51	<0.031	2.8	86	<0.099	4,200	4.0	NM	NM	2.7	1,000
Cell #2 S-4	19-Dec-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #2 S-4	28-Mar-19	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Sulfate mg/kg	Mercury mg/kg	Arsenic mg/kg	Barium mg/kg	Cadmium mg/kg	Calcium mg/kg	Chromium mg/kg	Copper mg/kg	Iron mg/kg	Lead mg/kg	Magnesium mg/kg
	Method	300.0	7471	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	1.5	0.03	2.5	42	0.1	NA	4.4	3.4	6500	2.1	NA
VZ Cell #3	18-Sep-12	<15	<0.033	<12	99	<0.50	4,900	11	NM	NM	3.9	2,100
VZ Cell #3	06-Dec-12	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
VZ Cell #3	01-Jul-13	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
VZ Cell #3	09-Oct-13	16	NM	<12	110	<0.50	5,300	13	NM	NM	5.5	2,700
VZ Cell #3	31-Mar-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
VZ Cell #3A	29-Mar-13	30	<0.033	<12	190	<0.50	7,700	20	NM	NM	6.9	3,700
Cell #3 S-1	08-May-14	65	<0.035	<4.9	76	<0.20	1,800	5.4	4.1	11,000	3.4	1,300
Cell #3 S-1	01-Oct-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-1	03-Dec-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-1	27-Mar-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-1	24-Jun-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-1	24-Sep-15	120	<0.033	<12	110	<0.50	6,800	13	NM	NM	5.7	2,900
Cell #3 S-1	09-Dec-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-1	07-Mar-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-1	16-Jun-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-1	22-Sep-16	18	<0.033	4.7	73	<0.098	1,100	4.0	NM	NM	2.5	800
Cell #3 S-1	15-Dec-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-1	13-Apr-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-1	22-Jun-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-1	20-Sep-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-1	06-Dec-17	10	<0.033	3.2	90	<0.096	1,100	3.3	NM	NM	2.0	820

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Sulfate mg/kg	Mercury mg/kg	Arsenic mg/kg	Barium mg/kg	Cadmium mg/kg	Calcium mg/kg	Chromium mg/kg	Copper mg/kg	Iron mg/kg	Lead mg/kg	Magnesium mg/kg
	Method	300.0	7471	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	1.5	0.03	2.5	42	0.1	NA	4.4	3.4	6500	2.1	NA
Cell #3 S-1	13-Mar-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-1	24-Jul-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-1	17-Sep-18	8.5	<0.033	<2.4	55	<0.097	920	3.4	NM	NM	1.8	820
Cell #3 S-1	19-Dec-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-1	28-Mar-19	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
VZ Cell #3B	29-Mar-13	39	<0.033	<25	160	<1.0	8,100	20	NM	NM	8.0	5,000
Cell #3 S-2	8-May-14	32	<0.032	<5.0	65	<0.20	2,100	8.9	7.2	12,000	3.3	1,600
Cell #3 S-2	1-Oct-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-2	3-Dec-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-2	27-Mar-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-2	24-Jun-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-2	24-Sep-15	83	<0.033	<12	80	<0.49	1,900	8.0	NM	NM	3.9	1,700
Cell #3 S-2	09-Dec-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-2	07-Mar-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-2	16-Jun-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-2	22-Sep-16	69	<0.032	<2.5	48	<0.099	1,500	7.2	NM	NM	2.9	1,400
Cell #3 S-2	15-Dec-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-2	13-Apr-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-2	22-Jun-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-2	20-Sep-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-2	06-Dec-17	14	<0.031	<12	90	<0.48	2,400	8.7	NM	NM	3.6	1,900
Cell #3 S-2	13-Mar-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Sulfate mg/kg	Mercury mg/kg	Arsenic mg/kg	Barium mg/kg	Cadmium mg/kg	Calcium mg/kg	Chromium mg/kg	Copper mg/kg	Iron mg/kg	Lead mg/kg	Magnesium mg/kg
	Method	300.0	7471	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	1.5	0.03	2.5	42	0.1	NA	4.4	3.4	6500	2.1	NA
Cell #3 S-2	24-Jul-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-2	17-Sep-18	64	<0.031	<5.0	67	<0.099	2,000	9.8	NM	NM	2.6	1,900
Cell #3 S-2	19-Dec-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-2	28-Mar-19	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
VZ Cell #3C	29-Mar-13	29	<0.033	<25	140	<1.0	9,400	16	NM	NM	7.9	4,000
Cell #3 S-3	8-May-14	130	<0.033	<12	160	<0.49	5,200	18	13	23,000	6.2	3,100
Cell #3 S-3	1-Oct-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-3	3-Dec-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-3	27-Mar-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-3	24-Jun-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-3	24-Sep-15	200	<0.033	<12	150	<0.49	4,000	15	NM	NM	6.6	3,100
Cell #3 S-3	09-Dec-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-3	07-Mar-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-3	16-Jun-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-3	22-Sep-16	140	<0.033	<4.9	120	<0.20	4,400	14	NM	NM	5.2	2,400
Cell #3 S-3	15-Dec-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-3	13-Apr-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-3	22-Jun-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-3	20-Sep-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-3	06-Dec-17	29	<0.032	<12	150	<0.49	4,300	16	NM	NM	4.8	3,000
Cell #3 S-3	13-Mar-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-3	24-Jul-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Sulfate mg/kg	Mercury mg/kg	Arsenic mg/kg	Barium mg/kg	Cadmium mg/kg	Calcium mg/kg	Chromium mg/kg	Copper mg/kg	Iron mg/kg	Lead mg/kg	Magnesium mg/kg
	Method	300.0	7471	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	1.5	0.03	2.5	42	0.1	NA	4.4	3.4	6500	2.1	NA
Cell #3 S-3	17-Sep-18	190	<0.033	<12	100	<0.19	6,200	17	NM	NM	4.6	3,100
Cell #3 S-3	19-Dec-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-3	28-Mar-19	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
VZ Cell #3D	29-Mar-13	43	<0.033	<12	150	<0.50	12,000	17	NM	NM	6.8	4,700
Cell #3 S-4	8-May-14	34	<0.034	<12	130	<0.48	4,000	17	14	22,000	6.0	3,100
Cell #3 S-4	1-Oct-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-4	3-Dec-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-4	27-Mar-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-4	24-Jun-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-4	24-Sep-15	48	<0.033	<12	110	<0.50	4,800	11	NM	NM	5.9	2,400
Cell #3 S-4	09-Dec-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-4	07-Mar-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-4	16-Jun-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-4	22-Sep-16	130	<0.033	<2.5	71	<0.10	1,800	5.8	NM	NM	2.8	1,200
Cell #3 S-4	15-Dec-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-4	13-Apr-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-4	22-Jun-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-4	20-Sep-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-4	06-Dec-17	190	<0.032	<12	120	<0.50	2,900	9.0	NM	NM	4.6	2,000
Cell #3 S-4	13-Mar-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-4	24-Jul-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-4	17-Sep-18	160	<0.032	<2.4	73	<0.097	2,000	7.1	NM	NM	2.7	1,500

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Sulfate mg/kg	Mercury mg/kg	Arsenic mg/kg	Barium mg/kg	Cadmium mg/kg	Calcium mg/kg	Chromium mg/kg	Copper mg/kg	Iron mg/kg	Lead mg/kg	Magnesium mg/kg
	Method	300.0	7471	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	1.5	0.03	2.5	42	0.1	NA	4.4	3.4	6500	2.1	NA
Cell #3 S-4	19-Dec-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #3 S-4	28-Mar-19	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
VZ Cell #4	18-Sep-12	<15	<0.033	<12	130	<0.50	9,700	23	NM	NM	7.3	2,900
VZ Cell #4	06-Dec-12	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
VZ Cell #4	29-Mar-13	<7.5	<0.033	<13	130	<0.50	4,000	20	NM	NM	6.1	2,600
VZ Cell #4	01-Jul-13	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
VZ Cell #4	09-Oct-13	29	NM	<25	120	<1.0	5,800	23	NM	NM	8.7	3,500
VZ Cell #4	31-Mar-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-1	06-May-14	4.6	<0.033	<12	120	<0.49	9,900	18	13	22,000	7.1	2,900
Cell #4 S-1	01-Oct-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-1	03-Dec-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-1	27-Mar-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-1	24-Jun-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-1	24-Sep-15	1.8	<0.032	<12	100	<0.49	4,600	15	NM	NM	6.8	2,400
Cell #4 S-1	09-Dec-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-1	07-Mar-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-1	16-Jun-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-1	22-Sep-16	<7.5	<0.033	<2.5	60	<0.10	1,200	7.8	NM	NM	2.9	1,100
Cell #4 S-1	15-Dec-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-1	13-Apr-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-1	22-Jun-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Sulfate mg/kg	Mercury mg/kg	Arsenic mg/kg	Barium mg/kg	Cadmium mg/kg	Calcium mg/kg	Chromium mg/kg	Copper mg/kg	Iron mg/kg	Lead mg/kg	Magnesium mg/kg
	Method	300.0	7471	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	1.5	0.03	2.5	42	0.1	NA	4.4	3.4	6500	2.1	NA
Cell #4 S-1	20-Sep-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-1	06-Dec-17	<7.5	<0.033	<12	100	<0.49	2,200	13	NM	NM	4.8	1,900
Cell #4 S-1	13-Mar-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-1	24-Jul-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-1	17-Sep-18	11	<0.032	<5.0	80	<0.20	3,400	11	NM	NM	4.5	1,700
Cell #4 S-1	19-Dec-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-1	28-Mar-19	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-2	6-May-14	2.5	<0.033	<5.1	96	<0.20	8,500	15	11	20,000	5.4	2,600
Cell #4 S-2	1-Oct-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-2	3-Dec-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-2	27-Mar-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-2	24-Jun-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-2	24-Sep-15	<7.5	<0.032	<13	100	<0.50	2,300	15	NM	NM	5.9	2,200
Cell #4 S-2	09-Dec-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-2	07-Mar-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-2	16-Jun-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-2	22-Sep-16	<7.5	<0.033	<5.0	96	<0.20	2,600	15	NM	NM	5.8	2,000
Cell #4 S-2	15-Dec-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-2	13-Apr-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-2	22-Jun-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-2	20-Sep-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-2	06-Dec-17	<7.5	<0.031	<12	110	<0.49	2,400	15	NM	NM	6.4	2,300

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Sulfate mg/kg	Mercury mg/kg	Arsenic mg/kg	Barium mg/kg	Cadmium mg/kg	Calcium mg/kg	Chromium mg/kg	Copper mg/kg	Iron mg/kg	Lead mg/kg	Magnesium mg/kg
	Method	300.0	7471	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	1.5	0.03	2.5	42	0.1	NA	4.4	3.4	6500	2.1	NA
Cell #4 S-2	13-Mar-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-2	24-Jul-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-2	17-Sep-18	14	<0.031	<4.8	80	<0.19	4,200	13	NM	NM	4.7	1,800
Cell #4 S-2	19-Dec-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-2	28-Mar-19	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-3	6-May-14	12	<0.034	<12	110	<0.50	3,900	17	13	21,000	6.8	2,300
Cell #4 S-3	1-Oct-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-3	3-Dec-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-3	27-Mar-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-3	24-Jun-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-3	24-Sep-15	15	<0.033	<12	93	<0.50	2,000	15	NM	NM	5.9	2,000
Cell #4 S-3	09-Dec-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-3	07-Mar-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-3	16-Jun-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-3	22-Sep-16	<7.5	<0.033	<5.0	78	<0.20	2,700	12	NM	NM	5.1	1,600
Cell #4 S-3	15-Dec-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-3	13-Apr-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-3	22-Jun-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-3	20-Sep-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-3	06-Dec-17	<7.5	<0.031	<12	110	<0.49	2,500	17	NM	NM	5.4	2,300
Cell #4 S-3	13-Mar-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-3	24-Jul-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Sulfate mg/kg	Mercury mg/kg	Arsenic mg/kg	Barium mg/kg	Cadmium mg/kg	Calcium mg/kg	Chromium mg/kg	Copper mg/kg	Iron mg/kg	Lead mg/kg	Magnesium mg/kg
	Method	300.0	7471	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	1.5	0.03	2.5	42	0.1	NA	4.4	3.4	6500	2.1	NA
Cell #4 S-3	17-Sep-18	11	<0.032	<12	95	<0.19	5,500	15	NM	NM	5.1	2,200
Cell #4 S-3	19-Dec-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-3	28-Mar-19	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-4	6-May-14	7.9	<0.034	<5.0	77	<0.20	1,700	10	8.0	16,000	4.0	1,400
Cell #4 S-4	1-Oct-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-4	3-Dec-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-4	27-Mar-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-4	24-Jun-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-4	24-Sep-15	4.5	<0.033	<12	73	<0.49	1,600	9.9	NM	NM	4.3	1,400
Cell #4 S-4	09-Dec-15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-4	07-Mar-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-4	16-Jun-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-4	22-Sep-16	<7.5	<0.033	<4.9	83	<0.20	2,200	12	NM	NM	5.2	2,000
Cell #4 S-4	15-Dec-16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-4	13-Apr-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-4	22-Jun-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-4	20-Sep-17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-4	06-Dec-17	NM	<0.031	<12	110	<0.50	9,900	15	NM	NM	7.1	2,500
Cell #4 S-4	13-Mar-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-4	24-Jul-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cell #4 S-4	17-Sep-18	24	<0.032	<5.0	170	<0.20	5,300	16	NM	NM	4.5	2,300
Cell #4 S-4	19-Dec-18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

TABLE 5

VADOSE ZONE SOIL ANALYTICAL RESULTS

BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	*Date*	*Sulfate mg/kg*	*Mercury mg/kg*	*Arsenic mg/kg*	*Barium mg/kg*	*Cadmium mg/kg*	*Calcium mg/kg*	*Chromium mg/kg*	*Copper mg/kg*	*Iron mg/kg*	*Lead mg/kg*	*Magnesium mg/kg*
	Method	***300.0***	***7471***	***6010B***	***6010B***	***6010B***	***6010B***	***6010B***	***6010B***	***6010B***	***6010B***	***6010B***
	NMOCD Approved Background	***1.5***	***0.03***	***2.5***	***42***	***0.1***	***NA***	***4.4***	***3.4***	***6500***	***2.1***	***NA***
Cell #4 S-4	28-Mar-19	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Notes:

<	Analyte not detected above listed method limit
NA	Not Applicable
NM	Not Measured

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	*Date*	*Manganese mg/kg*	*Potassium mg/kg*	*Selenium mg/kg*	*Silver mg/kg*	*Sodium mg/kg*	*Zinc mg/kg*
	Method	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*
	NMOCD Approved Background	*140*	*NA*	*2.5*	*0.25*	*NA*	*13*
VZ Cell #1	18-Sep-12	NM	2,900	<12	<1.2	<120	NM
VZ Cell #1	6-Dec-12	NM	NM	NM	NM	NM	NM
VZ Cell #1	1-Jul-13	NM	NM	NM	NM	NM	NM
VZ Cell #1	9-Oct-13	NM	2,400	<12	<1.2	<120	NM
VZ Cell #1	31-Mar-14	NM	NM	NM	NM	NM	NM
VZ Cell #1A	29-Mar-13	NM	1,600	<12	<1.2	<120	NM
Cell #1 S-1	6-May-14	**260**	970	<5.0	<0.50	<50	**22**
Cell #1 S-1	1-Oct-14	NM	NM	NM	NM	NM	NM
Cell #1 S-1	9-Dec-14	NM	NM	NM	NM	NM	NM
Cell #1 S-1	27-Mar-15	NM	NM	NM	NM	NM	NM
Cell #1 S-1	24-Jun-15	NM	NM	NM	NM	NM	NM
Cell #1 S-1	24-Sep-15	NM	830	<12	<1.2	<120	NM
Cell #1 S-1	09-Dec-15	NM	NM	NM	NM	NM	NM
Cell #1 S-1	07-Mar-16	NM	NM	NM	NM	NM	NM
Cell #1 S-1	16-Jun-16	NM	NM	NM	NM	NM	NM
Cell #1 S-1	22-Sep-16	NM	2,100	<4.9	<0.49	88	NM
Cell #1 S-1	15-Dec-16	NM	NM	NM	NM	NM	NM
Cell #1 S-1	13-Apr-17	NM	NM	NM	NM	NM	NM
Cell #1 S-1	22-Jun-17	NM	NM	NM	NM	NM	NM
Cell #1 S-1	20-Sep-17	NM	NM	NM	NM	NM	NM
Cell #1 S-1	06-Dec-17	NM	3,500	<12	<1.2	190	NM
Cell #1 S-1	13-Mar-18	NM	NM	NM	NM	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Manganese mg/kg	Potassium mg/kg	Selenium mg/kg	Silver mg/kg	Sodium mg/kg	Zinc mg/kg
	Method	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	140	NA	2.5	0.25	NA	13
Cell #1 S-1	24-Jul-18	NM	NM	NM	NM	NM	NM
Cell #1 S-1	17-Sep-18	NM	2,600	<12	<1.2	460	NM
Cell #1 S-1	19-Dec-18	NM	NM	NM	NM	NM	NM
Cell #1 S-1	28-Mar-19	NM	NM	NM	NM	NM	NM
VZ Cell #1B	29-Mar-13	NM	1,800	<12	<1.2	<120	NM
Cell #1 S-2	6-May-14	430	2,200	<12	<1.2	<120	48
Cell #1 S-2	1-Oct-14	NM	NM	NM	NM	NM	NM
Cell #1 S-2	9-Dec-14	NM	NM	NM	NM	NM	NM
Cell #1 S-2	27-Mar-15	NM	NM	NM	NM	NM	NM
Cell #1 S-2	24-Jun-15	NM	NM	NM	NM	NM	NM
Cell #1 S-2	24-Sep-15	NM	1,700	<12	<1.2	<120	NM
Cell #1 S-2	09-Dec-15	NM	NM	NM	NM	NM	NM
Cell #1 S-2	07-Mar-16	NM	NM	NM	NM	NM	NM
Cell #1 S-2	16-Jun-16	NM	NM	NM	NM	NM	NM
Cell #1 S-2	22-Sep-16	NM	1,800	<5.0	<0.50	56	NM
Cell #1 S-2	15-Dec-16	NM	NM	NM	NM	NM	NM
Cell #1 S-2	13-Apr-17	NM	NM	NM	NM	NM	NM
Cell #1 S-2	22-Jun-17	NM	NM	NM	NM	NM	NM
Cell #1 S-2	20-Sep-17	NM	NM	NM	NM	NM	NM
Cell #1 S-2	06-Dec-17	NM	2,400	<12	<12	250	NM
Cell #1 S-2	13-Mar-18	NM	NM	NM	NM	NM	NM
Cell #1 S-2	24-Jul-18	NM	NM	NM	NM	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Manganese mg/kg	Potassium mg/kg	Selenium mg/kg	Silver mg/kg	Sodium mg/kg	Zinc mg/kg
	Method	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	140	NA	2.5	0.25	NA	13
Cell #1 S-2	17-Sep-18	NM	2,100	<4.8	<0.48	160	NM
Cell #1 S-2	19-Dec-18	NM	NM	NM	NM	NM	NM
Cell #1 S-2	28-Mar-19	NM	NM	NM	NM	NM	NM
VZ Cell #1C	29-Mar-13	NM	3,700	<25	<2.5	<250	NM
Cell #1 S-3	6-May-14	420	2,300	<12	<1.2	<120	51
Cell #1 S-3	1-Oct-14	NM	NM	NM	NM	NM	NM
Cell #1 S-3	9-Dec-14	NM	NM	NM	NM	NM	NM
Cell #1 S-3	27-Mar-15	NM	NM	NM	NM	NM	NM
Cell #1 S-3	24-Jun-15	NM	NM	NM	NM	NM	NM
Cell #1 S-3	24-Sep-15	NM	1,500	<12	<1.2	140	NM
Cell #1 S-3	09-Dec-15	NM	NM	NM	NM	NM	NM
Cell #1 S-3	07-Mar-16	NM	NM	NM	NM	NM	NM
Cell #1 S-3	16-Jun-16	NM	NM	NM	NM	NM	NM
Cell #1 S-3	22-Sep-16	NM	1,100	<2.4	<0.24	<49	NM
Cell #1 S-3	15-Dec-16	NM	NM	NM	NM	NM	NM
Cell #1 S-3	13-Apr-17	NM	NM	NM	NM	NM	NM
Cell #1 S-3	22-Jun-17	NM	NM	NM	NM	NM	NM
Cell #1 S-3	20-Sep-17	NM	NM	NM	NM	NM	NM
Cell #1 S-3	06-Dec-17	NM	1,600	<12	<1.2	<120	NM
Cell #1 S-3	13-Mar-18	NM	NM	NM	NM	NM	NM
Cell #1 S-3	24-Jul-18	NM	NM	NM	NM	NM	NM
Cell #1 S-3	17-Sep-18	NM	2,400	<12	<0.50	130	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Manganese mg/kg	Potassium mg/kg	Selenium mg/kg	Silver mg/kg	Sodium mg/kg	Zinc mg/kg
	Method	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	140	NA	2.5	0.25	NA	13
Cell #1 S-3	19-Dec-18	NM	NM	NM	NM	NM	NM
Cell #1 S-3	28-Mar-19	NM	NM	NM	NM	NM	NM
VZ Cell #1D	29-Mar-13	NM	1,300	<12	<1.2	<120	NM
Cell #1 S-4	6-May-14	350	2,400	<13	<1.3	220	46
Cell #1 S-4	1-Oct-14	NM	NM	NM	NM	NM	NM
Cell #1 S-4	9-Dec-14	NM	NM	NM	NM	NM	NM
Cell #1 S-4	27-Mar-15	NM	NM	NM	NM	NM	NM
Cell #1 S-4	24-Jun-15	NM	NM	NM	NM	NM	NM
Cell #1 S-4	24-Sep-15	NM	1,400	<12	<1.2	410	NM
Cell #1 S-4	09-Dec-15	NM	NM	NM	NM	NM	NM
Cell #1 S-4	07-Mar-16	NM	NM	NM	NM	NM	NM
Cell #1 S-4	16-Jun-16	NM	NM	NM	NM	NM	NM
Cell #1 S-4	22-Sep-16	NM	630	<2.5	<0.25	<25	NM
Cell #1 S-4	15-Dec-16	NM	NM	NM	NM	NM	NM
Cell #1 S-4	13-Apr-17	NM	NM	NM	NM	NM	NM
Cell #1 S-4	22-Jun-17	NM	NM	NM	NM	NM	NM
Cell #1 S-4	20-Sep-17	NM	NM	NM	NM	NM	NM
Cell #1 S-4	06-Dec-17	NM	1,100	<2.5	<0.25	32	NM
Cell #1 S-4	13-Mar-18	NM	NM	NM	NM	NM	NM
Cell #1 S-4	24-Jul-18	NM	NM	NM	NM	NM	NM
Cell #1 S-4	17-Sep-18	NM	1,400	<4.9	<0.24	87	NM
Cell #1 S-4	19-Dec-18	NM	NM	NM	NM	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Manganese mg/kg	Potassium mg/kg	Selenium mg/kg	Silver mg/kg	Sodium mg/kg	Zinc mg/kg
	Method	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	140	NA	2.5	0.25	NA	13
Cell #1 S-4	28-Mar-19	NM	NM	NM	NM	NM	NM
VZ Cell #2	18-Sep-12	NM	550	<12	<1.2	<120	NM
VZ Cell #2	6-Dec-12	NM	NM	NM	NM	NM	NM
VZ Cell #2	29-Mar-13	NM	1000	<13	<1.2	<120	NM
VZ Cell #2	1-Jul-13	NM	NM	NM	NM	NM	NM
VZ Cell #2	9-Oct-13	NM	1,100	<12	<1.2	<120	NM
VZ Cell #2	31-Mar-14	NM	NM	NM	NM	NM	NM
Cell #2 S-1	08-May-14	250	970	<5.1	<0.51	<51	22
Cell #2 S-1	01-Oct-14	NM	NM	NM	NM	NM	NM
Cell #2 S-1	09-Dec-14	NM	NM	NM	NM	NM	NM
Cell #2 S-1	27-Mar-15	NM	NM	NM	NM	NM	NM
Cell #2 S-1	24-Jun-15	NM	NM	NM	NM	NM	NM
Cell #2 S-1	24-Sep-15	NM	770	<12	<1.2	140	NM
Cell #2 S-1	09-Dec-15	NM	NM	NM	NM	NM	NM
Cell #2 S-1	07-Mar-16	NM	NM	NM	NM	NM	NM
Cell #2 S-1	16-Jun-16	NM	NM	NM	NM	NM	NM
Cell #2 S-1	22-Sep-16	NM	570	<2.5	<0.25	<25	NM
Cell #2 S-1	15-Dec-16	NM	NM	NM	NM	NM	NM
Cell #2 S-1	13-Apr-17	NM	NM	NM	NM	NM	NM
Cell #2 S-1	22-Jun-17	NM	NM	NM	NM	NM	NM
Cell #2 S-1	20-Sep-17	NM	NM	NM	NM	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Manganese mg/kg	Potassium mg/kg	Selenium mg/kg	Silver mg/kg	Sodium mg/kg	Zinc mg/kg
	Method	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	140	NA	2.5	0.25	NA	13
Cell #2 S-1	06-Dec-17	NM	1,000	<12	<1.2	<120	NM
Cell #2 S-1	13-Mar-18	NM	NM	NM	NM	NM	NM
Cell #2 S-1	24-Jul-18	NM	NM	NM	NM	NM	NM
Cell #2 S-1	17-Sep-18	NM	710	<2.5	<0.25	89	NM
Cell #2 S-1	19-Dec-18	NM	NM	NM	NM	NM	NM
Cell #2 S-1	28-Mar-19	NM	NM	NM	NM	NM	NM
Cell #2 S-2	8-May-14	250	780	<4.9	<0.49	<49	23
Cell #2 S-2	1-Oct-14	NM	NM	NM	NM	NM	NM
Cell #2 S-2	9-Dec-14	NM	NM	NM	NM	NM	NM
Cell #2 S-2	27-Mar-15	NM	NM	NM	NM	NM	NM
Cell #2 S-2	24-Jun-15	NM	NM	NM	NM	NM	NM
Cell #2 S-2	24-Sep-15	NM	910	<13	<1.3	150	NM
Cell #2 S-2	09-Dec-15	NM	NM	NM	NM	NM	NM
Cell #2 S-2	07-Mar-16	NM	NM	NM	NM	NM	NM
Cell #2 S-2	16-Jun-16	NM	NM	NM	NM	NM	NM
Cell #2 S-2	22-Sep-16	NM	580	<2.4	<0.24	110	NM
Cell #2 S-2	15-Dec-16	NM	NM	NM	NM	NM	NM
Cell #2 S-2	13-Apr-17	NM	NM	NM	NM	NM	NM
Cell #2 S-2	22-Jun-17	NM	NM	NM	NM	NM	NM
Cell #2 S-2	20-Sep-17	NM	NM	NM	NM	NM	NM
Cell #2 S-2	06-Dec-17	NM	620	<2.4	<0.24	68	NM
Cell #2 S-2	13-Mar-18	NM	NM	NM	NM	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Manganese mg/kg	Potassium mg/kg	Selenium mg/kg	Silver mg/kg	Sodium mg/kg	Zinc mg/kg
	Method	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	140	NA	2.5	0.25	NA	13
Cell #2 S-2	24-Jul-18	NM	NM	NM	NM	NM	NM
Cell #2 S-2	17-Sep-18	NM	750	<2.5	<0.25	90	NM
Cell #2 S-2	19-Dec-18	NM	NM	NM	NM	NM	NM
Cell #2 S-2	28-Mar-19	NM	NM	NM	NM	NM	NM
Cell #2 S-3	8-May-14	140	840	<5.0	<0.50	110	21
Cell #2 S-3	1-Oct-14	NM	NM	NM	NM	NM	NM
Cell #2 S-3	9-Dec-14	NM	NM	NM	NM	NM	NM
Cell #2 S-3	27-Mar-15	NM	NM	NM	NM	NM	NM
Cell #2 S-3	24-Jun-15	NM	NM	NM	NM	NM	NM
Cell #2 S-3	24-Sep-15	NM	820	<12	<1.2	<120	NM
Cell #2 S-3	09-Dec-15	NM	NM	NM	NM	NM	NM
Cell #2 S-3	07-Mar-16	NM	NM	NM	NM	NM	NM
Cell #2 S-3	16-Jun-16	NM	NM	NM	NM	NM	NM
Cell #2 S-3	22-Sep-16	NM	640	<2.5	<0.25	65	NM
Cell #2 S-3	15-Dec-16	NM	NM	NM	NM	NM	NM
Cell #2 S-3	13-Apr-17	NM	NM	NM	NM	NM	NM
Cell #2 S-3	22-Jun-17	NM	NM	NM	NM	NM	NM
Cell #2 S-3	20-Sep-17	NM	NM	NM	NM	NM	NM
Cell #2 S-3	06-Dec-17	NM	1,900	<12	<1.2	<120	NM
Cell #2 S-3	13-Mar-18	NM	NM	NM	NM	NM	NM
Cell #2 S-3	24-Jul-18	NM	NM	NM	NM	NM	NM
Cell #2 S-3	17-Sep-18	NM	860	<2.5	<0.25	63	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Manganese mg/kg	Potassium mg/kg	Selenium mg/kg	Silver mg/kg	Sodium mg/kg	Zinc mg/kg
	Method	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	140	NA	2.5	0.25	NA	13
Cell #2 S-3	19-Dec-18	NM	NM	NM	NM	NM	NM
Cell #2 S-3	28-Mar-19	NM	NM	NM	NM	NM	NM
Cell #2 S-4	8-May-14	290	1,100	<4.9	<0.49	<49	28
Cell #2 S-4	1-Oct-14	NM	NM	NM	NM	NM	NM
Cell #2 S-4	9-Dec-14	NM	NM	NM	NM	NM	NM
Cell #2 S-4	27-Mar-15	NM	NM	NM	NM	NM	NM
Cell #2 S-4	24-Jun-15	NM	NM	NM	NM	NM	NM
Cell #2 S-4	24-Sep-15	NM	1,600	<12	<1.2	<120	NM
Cell #2 S-4	09-Dec-15	NM	NM	NM	NM	NM	NM
Cell #2 S-4	07-Mar-16	NM	NM	NM	NM	NM	NM
Cell #2 S-4	16-Jun-16	NM	NM	NM	NM	NM	NM
Cell #2 S-4	22-Sep-16	NM	1,200	<2.5	<0.25	<25	NM
Cell #2 S-4	15-Dec-16	NM	NM	NM	NM	NM	NM
Cell #2 S-4	13-Apr-17	NM	NM	NM	NM	NM	NM
Cell #2 S-4	22-Jun-17	NM	NM	NM	NM	NM	NM
Cell #2 S-4	20-Sep-17	NM	NM	NM	NM	NM	NM
Cell #2 S-4	06-Dec-17	NM	700	<2.5	<0.25	<120	NM
Cell #2 S-4	13-Mar-18	NM	NM	NM	NM	NM	NM
Cell #2 S-4	24-Jul-18	NM	NM	NM	NM	NM	NM
Cell #2 S-4	17-Sep-18	NM	620	<2.5	<0.25	120	NM
Cell #2 S-4	19-Dec-18	NM	NM	NM	NM	NM	NM
Cell #2 S-4	28-Mar-19	NM	NM	NM	NM	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	*Date*	*Manganese mg/kg*	*Potassium mg/kg*	*Selenium mg/kg*	*Silver mg/kg*	*Sodium mg/kg*	*Zinc mg/kg*
	Method	***6010B***	***6010B***	***6010B***	***6010B***	***6010B***	***6010B***
	NMOCD Approved Background	***140***	***NA***	***2.5***	***0.25***	***NA***	***13***
VZ Cell #3	18-Sep-12	NM	1,700	<12	<1.2	<120	NM
VZ Cell #3	06-Dec-12	NM	NM	NM	NM	NM	NM
VZ Cell #3	01-Jul-13	NM	NM	NM	NM	NM	NM
VZ Cell #3	09-Oct-13	NM	2,000	<12	<1.2	<120	NM
VZ Cell #3	31-Mar-14	NM	NM	NM	NM	NM	NM
VZ Cell #3A	29-Mar-13	NM	2,500	<12	<1.2	<120	NM
Cell #3 S-1	08-May-14	**260**	800	<4.9	<0.49	50	**22**
Cell #3 S-1	01-Oct-14	NM	NM	NM	NM	NM	NM
Cell #3 S-1	03-Dec-14	NM	NM	NM	NM	NM	NM
Cell #3 S-1	27-Mar-15	NM	NM	NM	NM	NM	NM
Cell #3 S-1	24-Jun-15	NM	NM	NM	NM	NM	NM
Cell #3 S-1	24-Sep-15	NM	2,200	<12	<1.2	<120	NM
Cell #3 S-1	09-Dec-15	NM	NM	NM	NM	NM	NM
Cell #3 S-1	07-Mar-16	NM	NM	NM	NM	NM	NM
Cell #3 S-1	16-Jun-16	NM	NM	NM	NM	NM	NM
Cell #3 S-1	22-Sep-16	NM	560	<2.5	<0.25	47	NM
Cell #3 S-1	15-Dec-16	NM	NM	NM	NM	NM	NM
Cell #3 S-1	13-Apr-17	NM	NM	NM	NM	NM	NM
Cell #3 S-1	22-Jun-17	NM	NM	NM	NM	NM	NM
Cell #3 S-1	20-Sep-17	NM	NM	NM	NM	NM	NM
Cell #3 S-1	06-Dec-17	NM	570	<2.4	<.24	41	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Manganese mg/kg	Potassium mg/kg	Selenium mg/kg	Silver mg/kg	Sodium mg/kg	Zinc mg/kg
	Method	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	140	NA	2.5	0.25	NA	13
Cell #3 S-1	13-Mar-18	NM	NM	NM	NM	NM	NM
Cell #3 S-1	24-Jul-18	NM	NM	NM	NM	NM	NM
Cell #3 S-1	17-Sep-18	NM	730	<2.4	<0.24	82	NM
Cell #3 S-1	19-Dec-18	NM	NM	NM	NM	NM	NM
Cell #3 S-1	28-Mar-19	NM	NM	NM	NM	NM	NM
VZ Cell #3B	29-Mar-13	NM	3,200	<25	<2.5	<250	NM
Cell #3 S-2	8-May-14	200	1,400	<5.0	<0.50	<50	26
Cell #3 S-2	1-Oct-14	NM	NM	NM	NM	NM	NM
Cell #3 S-2	3-Dec-14	NM	NM	NM	NM	NM	NM
Cell #3 S-2	27-Mar-15	NM	NM	NM	NM	NM	NM
Cell #3 S-2	24-Jun-15	NM	NM	NM	NM	NM	NM
Cell #3 S-2	24-Sep-15	NM	1,300	<12	<1.2	<120	NM
Cell #3 S-2	09-Dec-15	NM	NM	NM	NM	NM	NM
Cell #3 S-2	07-Mar-16	NM	NM	NM	NM	NM	NM
Cell #3 S-2	16-Jun-16	NM	NM	NM	NM	NM	NM
Cell #3 S-2	22-Sep-16	NM	1,000	<2.5	<0.25	<25	NM
Cell #3 S-2	15-Dec-16	NM	NM	NM	NM	NM	NM
Cell #3 S-2	13-Apr-17	NM	NM	NM	NM	NM	NM
Cell #3 S-2	22-Jun-17	NM	NM	NM	NM	NM	NM
Cell #3 S-2	20-Sep-17	NM	NM	NM	NM	NM	NM
Cell #3 S-2	06-Dec-17	NM	1,700	<12	<1.2	<120	NM
Cell #3 S-2	13-Mar-18	NM	NM	NM	NM	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Manganese mg/kg	Potassium mg/kg	Selenium mg/kg	Silver mg/kg	Sodium mg/kg	Zinc mg/kg
	Method	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	140	NA	2.5	0.25	NA	13
Cell #3 S-2	24-Jul-18	NM	NM	NM	NM	NM	NM
Cell #3 S-2	17-Sep-18	NM	1,700	<5.0	<0.25	100	NM
Cell #3 S-2	19-Dec-18	NM	NM	NM	NM	NM	NM
Cell #3 S-2	28-Mar-19	NM	NM	NM	NM	NM	NM
VZ Cell #3C	29-Mar-13	NM	2,300	<25	<2.5	<250	NM
Cell #3 S-3	8-May-14	310	2,500	<12	<1.2	<120	53
Cell #3 S-3	1-Oct-14	NM	NM	NM	NM	NM	NM
Cell #3 S-3	3-Dec-14	NM	NM	NM	NM	NM	NM
Cell #3 S-3	27-Mar-15	NM	NM	NM	NM	NM	NM
Cell #3 S-3	24-Jun-15	NM	NM	NM	NM	NM	NM
Cell #3 S-3	24-Sep-15	NM	2,500	<12	<1.2	<120	NM
Cell #3 S-3	09-Dec-15	NM	NM	NM	NM	NM	NM
Cell #3 S-3	07-Mar-16	NM	NM	NM	NM	NM	NM
Cell #3 S-3	16-Jun-16	NM	NM	NM	NM	NM	NM
Cell #3 S-3	22-Sep-16	NM	1,900	<4.9	<0.49	53	NM
Cell #3 S-3	15-Dec-16	NM	NM	NM	NM	NM	NM
Cell #3 S-3	13-Apr-17	NM	NM	NM	NM	NM	NM
Cell #3 S-3	22-Jun-17	NM	NM	NM	NM	NM	NM
Cell #3 S-3	20-Sep-17	NM	NM	NM	NM	NM	NM
Cell #3 S-3	06-Dec-17	NM	2,300	<12	<1.2	130	NM
Cell #3 S-3	13-Mar-18	NM	NM	NM	NM	NM	NM
Cell #3 S-3	24-Jul-18	NM	NM	NM	NM	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Manganese mg/kg	Potassium mg/kg	Selenium mg/kg	Silver mg/kg	Sodium mg/kg	Zinc mg/kg
	Method	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	140	NA	2.5	0.25	NA	13
Cell #3 S-3	17-Sep-18	NM	2,500	<4.9	<0.49	160	NM
Cell #3 S-3	19-Dec-18	NM	NM	NM	NM	NM	NM
Cell #3 S-3	28-Mar-19	NM	NM	NM	NM	NM	NM
VZ Cell #3D	29-Mar-13	NM	2,700	<12	<1.2	130	NM
Cell #3 S-4	8-May-14	330	2,800	<12	<1.2	<120	53
Cell #3 S-4	1-Oct-14	NM	NM	NM	NM	NM	NM
Cell #3 S-4	3-Dec-14	NM	NM	NM	NM	NM	NM
Cell #3 S-4	27-Mar-15	NM	NM	NM	NM	NM	NM
Cell #3 S-4	24-Jun-15	NM	NM	NM	NM	NM	NM
Cell #3 S-4	24-Sep-15	NM	1,600	<12	<1.2	<120	NM
Cell #3 S-4	09-Dec-15	NM	NM	NM	NM	NM	NM
Cell #3 S-4	07-Mar-16	NM	NM	NM	NM	NM	NM
Cell #3 S-4	16-Jun-16	NM	NM	NM	NM	NM	NM
Cell #3 S-4	22-Sep-16	NM	770	<2.5	<0.25	75	NM
Cell #3 S-4	15-Dec-16	NM	NM	NM	NM	NM	NM
Cell #3 S-4	13-Apr-17	NM	NM	NM	NM	NM	NM
Cell #3 S-4	22-Jun-17	NM	NM	NM	NM	NM	NM
Cell #3 S-4	20-Sep-17	NM	NM	NM	NM	NM	NM
Cell #3 S-4	06-Dec-17	NM	1,500	<12	<1.2	<120	NM
Cell #3 S-4	13-Mar-18	NM	NM	NM	NM	NM	NM
Cell #3 S-4	24-Jul-18	NM	NM	NM	NM	NM	NM
Cell #3 S-4	17-Sep-18	NM	1,200	<2.4	<0.24	110	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Manganese mg/kg	Potassium mg/kg	Selenium mg/kg	Silver mg/kg	Sodium mg/kg	Zinc mg/kg
	Method	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	140	NA	2.5	0.25	NA	13
Cell #3 S-4	19-Dec-18	NM	NM	NM	NM	NM	NM
Cell #3 S-4	28-Mar-19	NM	NM	NM	NM	NM	NM
VZ Cell #4	18-Sep-12	NM	2,400	<12	<1.2	<120	NM
VZ Cell #4	06-Dec-12	NM	NM	NM	NM	NM	NM
VZ Cell #4	29-Mar-13	NM	2,600	<13	<1.2	<120	NM
VZ Cell #4	01-Jul-13	NM	NM	NM	NM	NM	NM
VZ Cell #4	09-Oct-13	NM	3,200	<25	<2.5	<250	NM
VZ Cell #4	31-Mar-14	NM	NM	NM	NM	NM	NM
Cell #4 S-1	06-May-14	260	2,100	<12	<1.2	<120	48
Cell #4 S-1	01-Oct-14	NM	NM	NM	NM	NM	NM
Cell #4 S-1	03-Dec-14	NM	NM	NM	NM	NM	NM
Cell #4 S-1	27-Mar-15	NM	NM	NM	NM	NM	NM
Cell #4 S-1	24-Jun-15	NM	NM	NM	NM	NM	NM
Cell #4 S-1	24-Sep-15	NM	1,900	<12	<1.2	<120	NM
Cell #4 S-1	09-Dec-15	NM	NM	NM	NM	NM	NM
Cell #4 S-1	07-Mar-16	NM	NM	NM	NM	NM	NM
Cell #4 S-1	16-Jun-16	NM	NM	NM	NM	NM	NM
Cell #4 S-1	22-Sep-16	NM	1,000	<2.5	<0.25	<25	NM
Cell #4 S-1	15-Dec-16	NM	NM	NM	NM	NM	NM
Cell #4 S-1	13-Apr-17	NM	NM	NM	NM	NM	NM
Cell #4 S-1	22-Jun-17	NM	NM	NM	NM	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Manganese mg/kg	Potassium mg/kg	Selenium mg/kg	Silver mg/kg	Sodium mg/kg	Zinc mg/kg
	Method	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	140	NA	2.5	0.25	NA	13
Cell #4 S-1	20-Sep-17	NM	NM	NM	NM	NM	NM
Cell #4 S-1	06-Dec-17	NM	1,800	<12	<1.2	<120	NM
Cell #4 S-1	13-Mar-18	NM	NM	NM	NM	NM	NM
Cell #4 S-1	24-Jul-18	NM	NM	NM	NM	NM	NM
Cell #4 S-1	17-Sep-18	NM	1,600	<5.0	<0.50	75	NM
Cell #4 S-1	19-Dec-18	NM	NM	NM	NM	NM	NM
Cell #4 S-1	28-Mar-19	NM	NM	NM	NM	NM	NM
Cell #4 S-2	6-May-14	220	1,900	<5.1	<0.51	<130	37
Cell #4 S-2	1-Oct-14	NM	NM	NM	NM	NM	NM
Cell #4 S-2	3-Dec-14	NM	NM	NM	NM	NM	NM
Cell #4 S-2	27-Mar-15	NM	NM	NM	NM	NM	NM
Cell #4 S-2	24-Jun-15	NM	NM	NM	NM	NM	NM
Cell #4 S-2	24-Sep-15	NM	2,000	<13	<1.3	<130	NM
Cell #4 S-2	09-Dec-15	NM	NM	NM	NM	NM	NM
Cell #4 S-2	07-Mar-16	NM	NM	NM	NM	NM	NM
Cell #4 S-2	16-Jun-16	NM	NM	NM	NM	NM	NM
Cell #4 S-2	22-Sep-16	NM	1,600	<5.0	<0.50	<50	NM
Cell #4 S-2	15-Dec-16	NM	NM	NM	NM	NM	NM
Cell #4 S-2	13-Apr-17	NM	NM	NM	NM	NM	NM
Cell #4 S-2	22-Jun-17	NM	NM	NM	NM	NM	NM
Cell #4 S-2	20-Sep-17	NM	NM	NM	NM	NM	NM
Cell #4 S-2	06-Dec-17	NM	2,200	<12	<1.2	<120	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Manganese mg/kg	Potassium mg/kg	Selenium mg/kg	Silver mg/kg	Sodium mg/kg	Zinc mg/kg
	Method	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	140	NA	2.5	0.25	NA	13
Cell #4 S-2	13-Mar-18	NM	NM	NM	NM	NM	NM
Cell #4 S-2	24-Jul-18	NM	NM	NM	NM	NM	NM
Cell #4 S-2	17-Sep-18	NM	1,600	<4.8	<0.48	85	NM
Cell #4 S-2	19-Dec-18	NM	NM	NM	NM	NM	NM
Cell #4 S-2	28-Mar-19	NM	NM	NM	NM	NM	NM
Cell #4 S-3	6-May-14	260	2,000	<12	<1.2	<120	45
Cell #4 S-3	1-Oct-14	NM	NM	NM	NM	NM	NM
Cell #4 S-3	3-Dec-14	NM	NM	NM	NM	NM	NM
Cell #4 S-3	27-Mar-15	NM	NM	NM	NM	NM	NM
Cell #4 S-3	24-Jun-15	NM	NM	NM	NM	NM	NM
Cell #4 S-3	24-Sep-15	NM	1,700	<12	<1.2	<120	NM
Cell #4 S-3	09-Dec-15	NM	NM	NM	NM	NM	NM
Cell #4 S-3	07-Mar-16	NM	NM	NM	NM	NM	NM
Cell #4 S-3	16-Jun-16	NM	NM	NM	NM	NM	NM
Cell #4 S-3	22-Sep-16	NM	1,400	<5.0	<0.50	<50	NM
Cell #4 S-3	15-Dec-16	NM	NM	NM	NM	NM	NM
Cell #4 S-3	13-Apr-17	NM	NM	NM	NM	NM	NM
Cell #4 S-3	22-Jun-17	NM	NM	NM	NM	NM	NM
Cell #4 S-3	20-Sep-17	NM	NM	NM	NM	NM	NM
Cell #4 S-3	06-Dec-17	NM	2,200	<12	<1.2	<120	NM
Cell #4 S-3	13-Mar-18	NM	NM	NM	NM	NM	NM
Cell #4 S-3	24-Jul-18	NM	NM	NM	NM	NM	NM

TABLE 5
VADOSE ZONE SOIL ANALYTICAL RESULTS
BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	Date	Manganese mg/kg	Potassium mg/kg	Selenium mg/kg	Silver mg/kg	Sodium mg/kg	Zinc mg/kg
	Method	6010B	6010B	6010B	6010B	6010B	6010B
	NMOCD Approved Background	140	NA	2.5	0.25	NA	13
Cell #4 S-3	17-Sep-18	NM	1,800	<4.8	<0.48	130	NM
Cell #4 S-3	19-Dec-18	NM	NM	NM	NM	NM	NM
Cell #4 S-3	28-Mar-19	NM	NM	NM	NM	NM	NM
Cell #4 S-4	6-May-14	190	1,400	<5.0	<0.50	<50	27
Cell #4 S-4	1-Oct-14	NM	NM	NM	NM	NM	NM
Cell #4 S-4	3-Dec-14	NM	NM	NM	NM	NM	NM
Cell #4 S-4	27-Mar-15	NM	NM	NM	NM	NM	NM
Cell #4 S-4	24-Jun-15	NM	NM	NM	NM	NM	NM
Cell #4 S-4	24-Sep-15	NM	1,500	<12	<1.2	<120	NM
Cell #4 S-4	09-Dec-15	NM	NM	NM	NM	NM	NM
Cell #4 S-4	07-Mar-16	NM	NM	NM	NM	NM	NM
Cell #4 S-4	16-Jun-16	NM	NM	NM	NM	NM	NM
Cell #4 S-4	22-Sep-16	NM	1,400	<4.9	<0.49	<49	NM
Cell #4 S-4	15-Dec-16	NM	NM	NM	NM	NM	NM
Cell #4 S-4	13-Apr-17	NM	NM	NM	NM	NM	NM
Cell #4 S-4	22-Jun-17	NM	NM	NM	NM	NM	NM
Cell #4 S-4	20-Sep-17	NM	NM	NM	NM	NM	NM
Cell #4 S-4	06-Dec-17	NM	1,900	<12	<1.2	<120	NM
Cell #4 S-4	13-Mar-18	NM	NM	NM	NM	NM	NM
Cell #4 S-4	24-Jul-18	NM	NM	NM	NM	NM	NM
Cell #4 S-4	17-Sep-18	NM	2,200	<5.0	<0.50	120	NM
Cell #4 S-4	19-Dec-18	NM	NM	NM	NM	NM	NM

TABLE 5

VADOSE ZONE SOIL ANALYTICAL RESULTS

BMG Landfarm, Rio Arriba County, New Mexico

Vadose Zone Sample ID	*Date*	*Manganese mg/kg*	*Potassium mg/kg*	*Selenium mg/kg*	*Silver mg/kg*	*Sodium mg/kg*	*Zinc mg/kg*
	Method	***6010B***	***6010B***	***6010B***	***6010B***	***6010B***	***6010B***
	NMOCD Approved Background	***140***	***NA***	***2.5***	***0.25***	***NA***	***13***
Cell #4 S-4	28-Mar-19	NM	NM	NM	NM	NM	NM

Notes:

<	Analyte not detected above listed method limit
NA	Not Applicable
NM	Not Measured

Figures

FIGURE 1

BACKGROUND SOIL SAMPLES
BMG CENTRALIZED SURFACE
WASTE MANAGEMENT FACILITY
NW¼ NW¼, SECTION 19, T25N, R1E
NW¼ NW¼, SECTION 20, T25N, R1E
LLAVES, RIO ARRIBA COUNTY, NEW MEXICO

animas environmental services
Farmington, NM • Durango, CO
animasenvironmental.com

DRAWN BY:	DATE DRAWN:
C. Lameman	November 15, 2018
REVISIONS BY:	**DATE REVISED:**
C. Lameman	November 15, 2018
CHECKED BY:	**DATE CHECKED:**
D. Reese	November 15, 2018
APPROVED BY:	**DATE APPROVED:**
E. McNally	November 15, 2018

LEGEND

DECEMBER 2014 SAMPLE LOCATIONS

PRIVATE

FOREST SERVICE

FOREST SERVICE

BS-SC-3 DEC 2014

BS-SC-2 DEC 2014

BS-SC-1 DEC 2014

PROPERTY BOUNDARY

N

SCALE
500 300 0 500
100
(1 INCH = 500 FEET)

AERIAL SOURCE: © 2018 GOOGLE EARTH PRO, AERIAL DATE: JUNE 16, 2016.

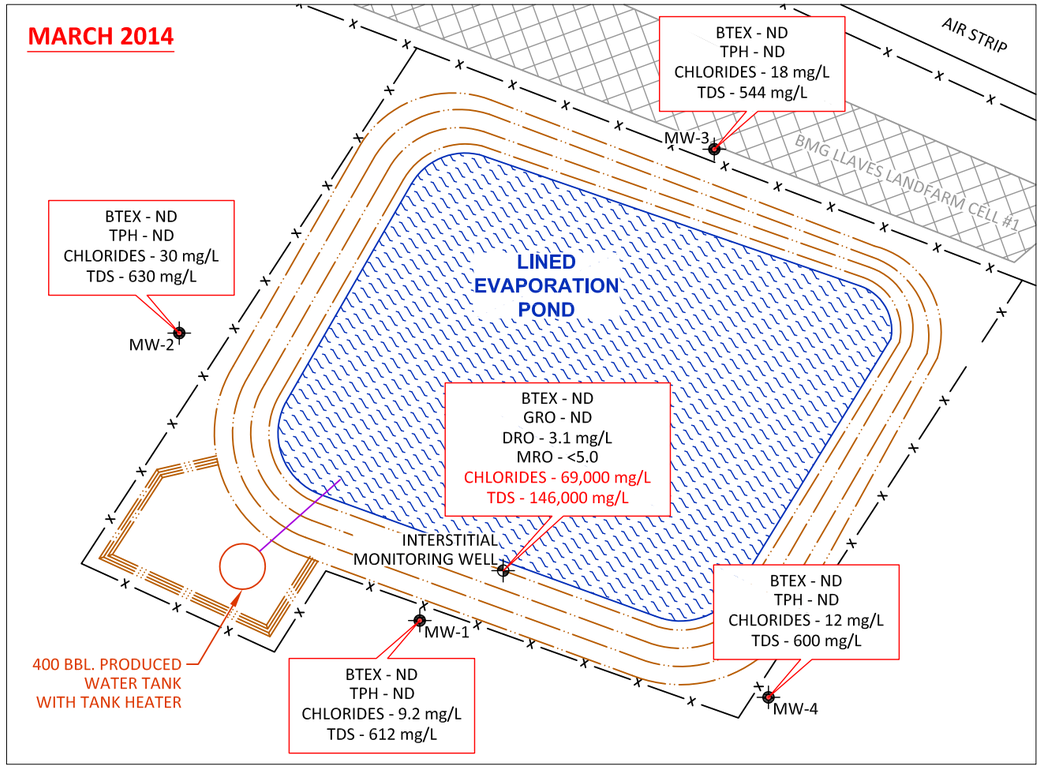
FIGURE 2A

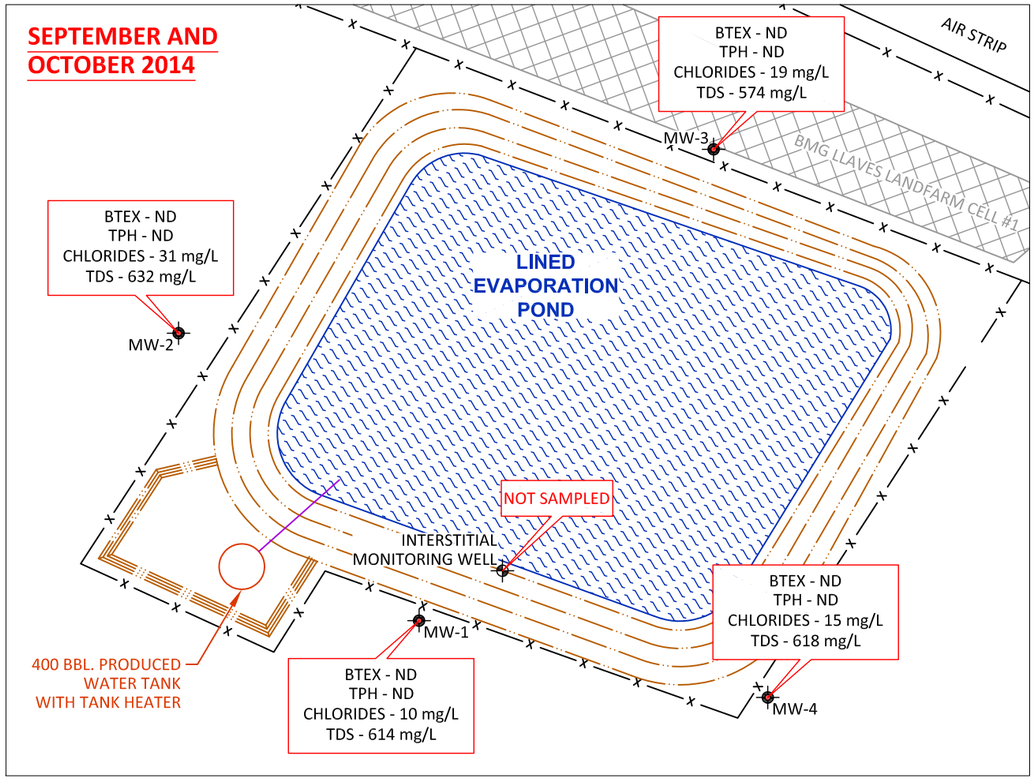
BENSON-MONTIN-GREER CENTRALIZED SURFACE WASTE MANAGEMENT FACILITY EVAPORATION POND AND MONITOR WELL LOCATIONS 2014 CONCENTRATIONS

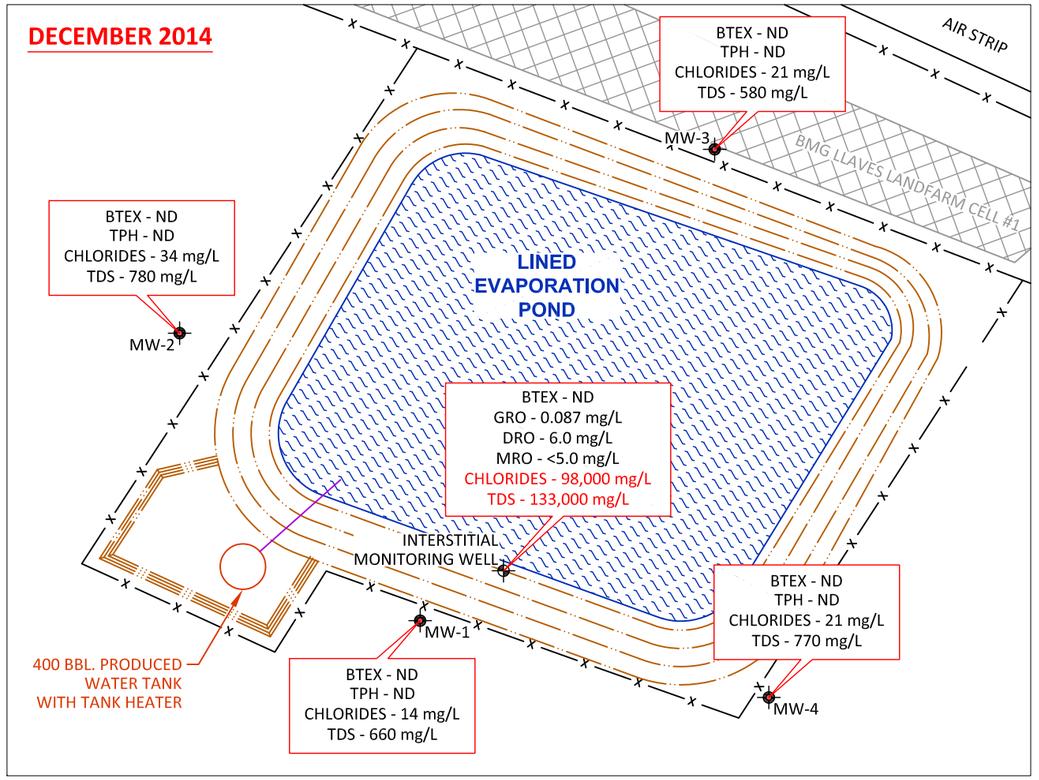
NW¼ NW¼, SECTION 20, T25N, R1E
LLAVES, RIO ARRIBA COUNTY, NEW MEXICO

animas environmental services
Farmington, NM • Durango, CO
animasenvironmental.com

DRAWN BY:	DATE DRAWN:
C. Lameman	January 11, 2013
REVISIONS BY:	**DATE REVISED:**
C. Lameman	December 27, 2018
CHECKED BY:	**DATE CHECKED:**
D. Reese	December 27, 2018
APPROVED BY:	**DATE APPROVED:**
E. McNally	December 27, 2018



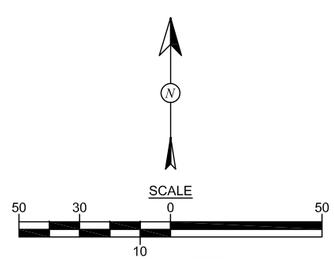


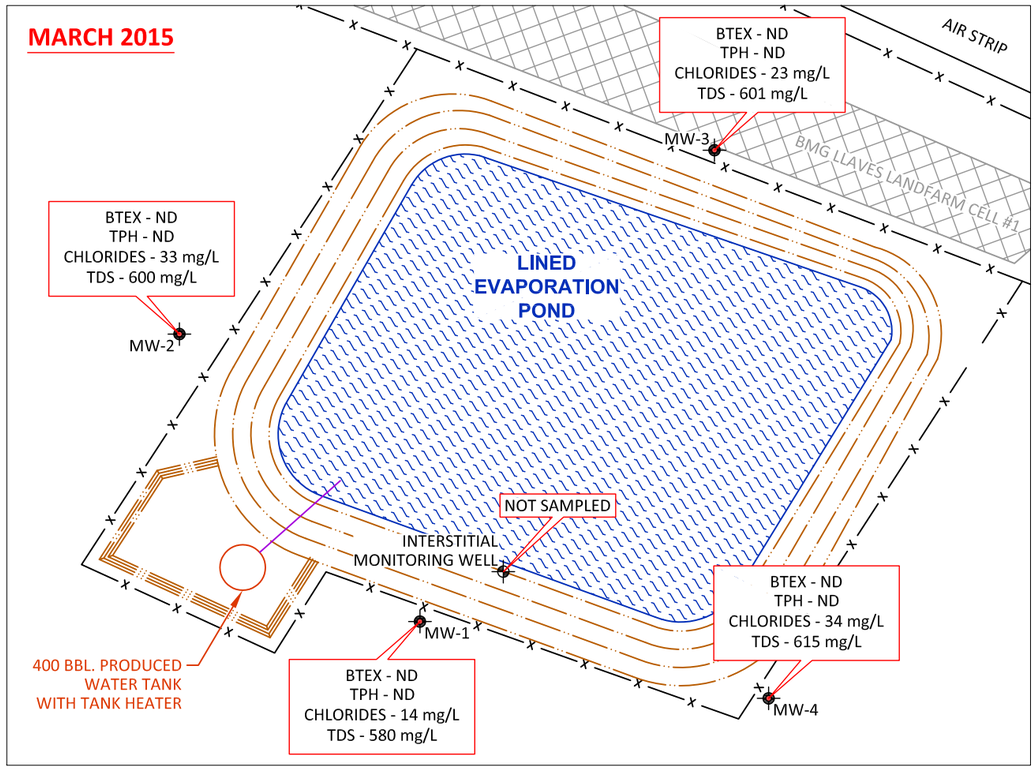


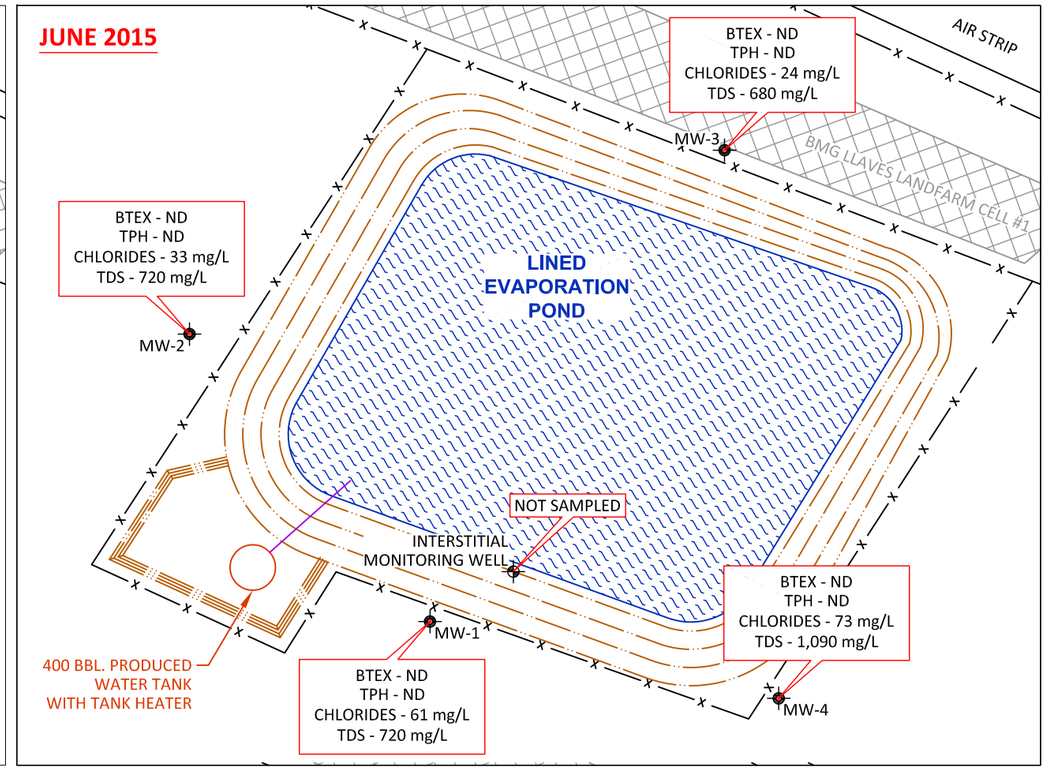
LEGEND

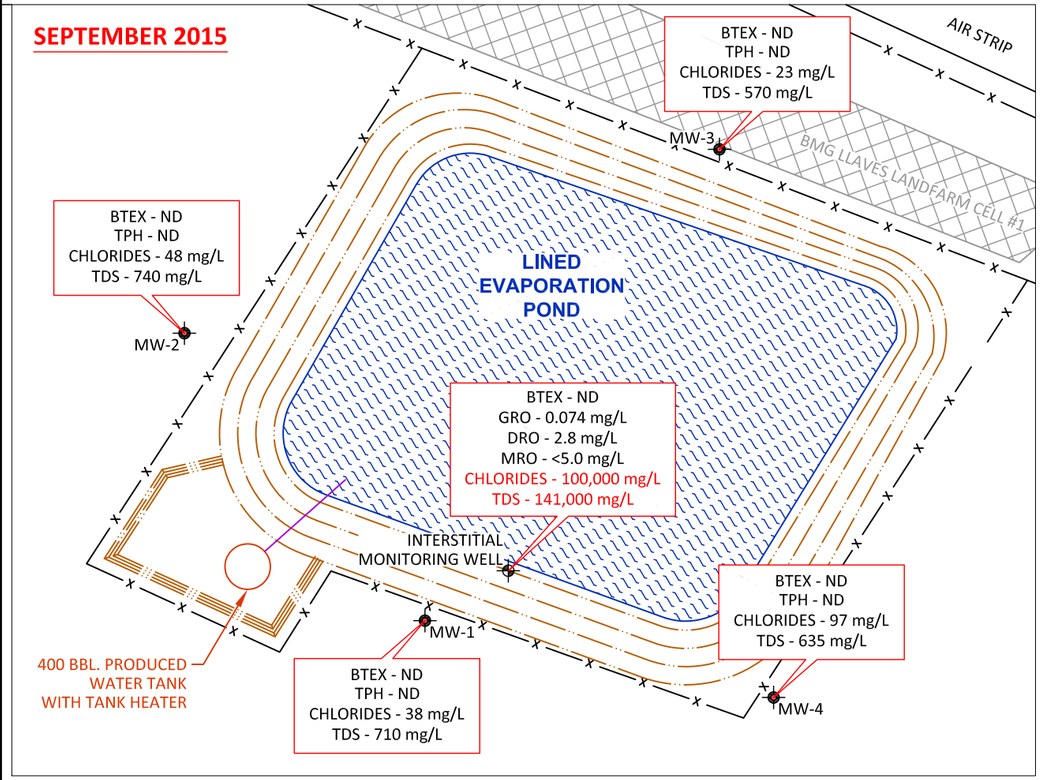
x	FENCE
	EARTH BERM (SECONDARY CONTAINMENT)
	EXISTING POND LINER INTERSTITIAL MONITOR WELL
	GROUNDWATER MONITOR WELL
B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	TOTAL XYLENE
TPH	TOTAL PETROLEUM HYDROCARBONS
TDS	TOTAL DISSOLVED SOLIDS
GRO	GASOLINE RANGE ORGANICS
MRO	MOTOR OIL RANGE ORGANICS
DRO	DIESEL RANGE ORGANICS
ND	NOT DETECTED
mg/L	PARTS PER MILLION

NOTE: SAMPLES WERE COLLECTED ON MARCH 31, SEPTEMBER 30, OCTOBER 1, AND DECEMBER 2, 2014. ALL SAMPLES ANALYZED PER EPA METHOD 8015B, 8021B, SM 2540C, AND 300.0.









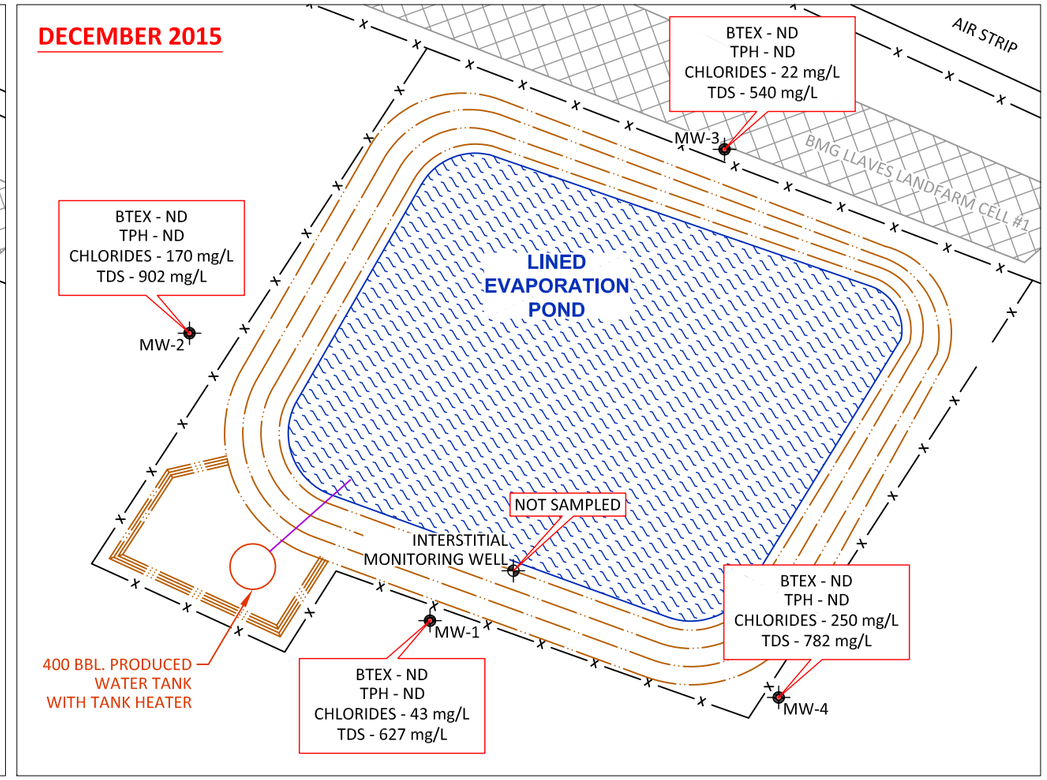


FIGURE 2B

BENSON-MONTIN-GREER CENTRALIZED SURFACE WASTE MANAGEMENT FACILITY EVAPORATION POND AND MONITOR WELL LOCATIONS 2015 CONCENTRATIONS

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

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DRAWN BY:	DATE DRAWN:
C. Lameman	January 11, 2013
REVISIONS BY:	**DATE REVISED:**
C. Lameman	November 15, 2018
CHECKED BY:	**DATE CHECKED:**
D. Reese	November 15, 2018
APPROVED BY:	**DATE APPROVED:**
E. McNally	November 15, 2018

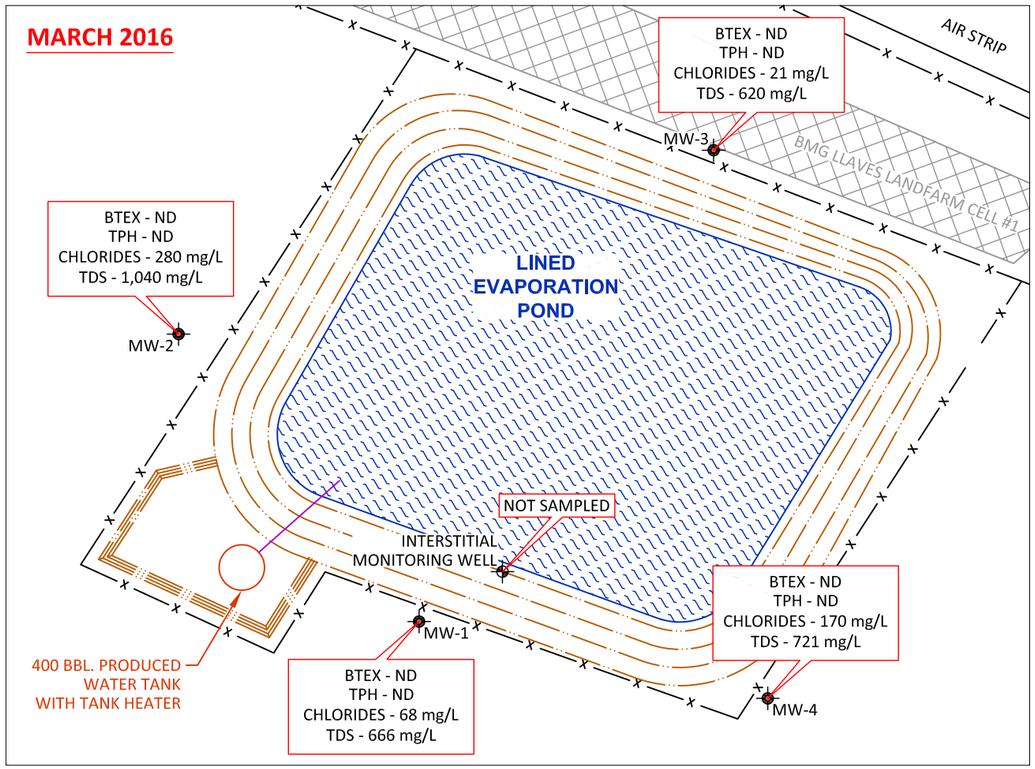
LEGEND

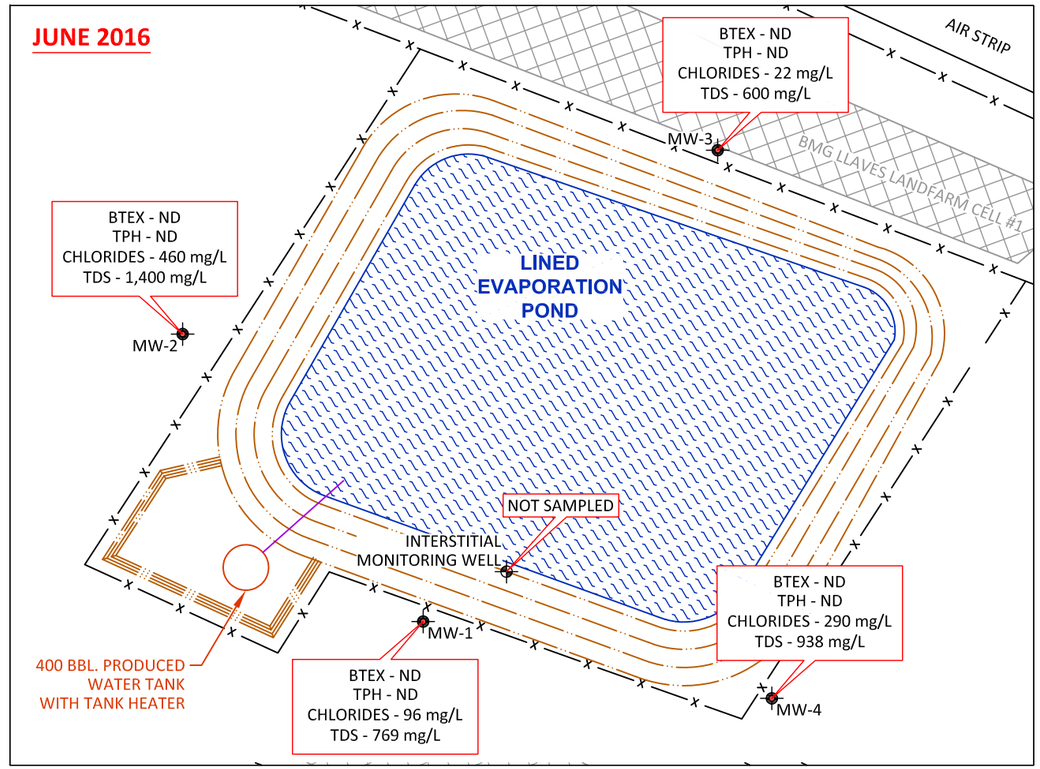
x	FENCE
	EARTH BERM (SECONDARY CONTAINMENT)
	EXISTING POND LINER INTERSTITIAL MONITOR WELL
	GROUNDWATER MONITOR WELL
B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	TOTAL XYLENE
TPH	TOTAL PETROLEUM HYDROCARBONS
TDS	TOTAL DISSOLVED SOLIDS
GRO	GASOLINE RANGE ORGANICS
MRO	MOTOR OIL RANGE ORGANICS
DRO	DIESEL RANGE ORGANICS
ND	NOT DETECTED
mg/L	PARTS PER MILLION

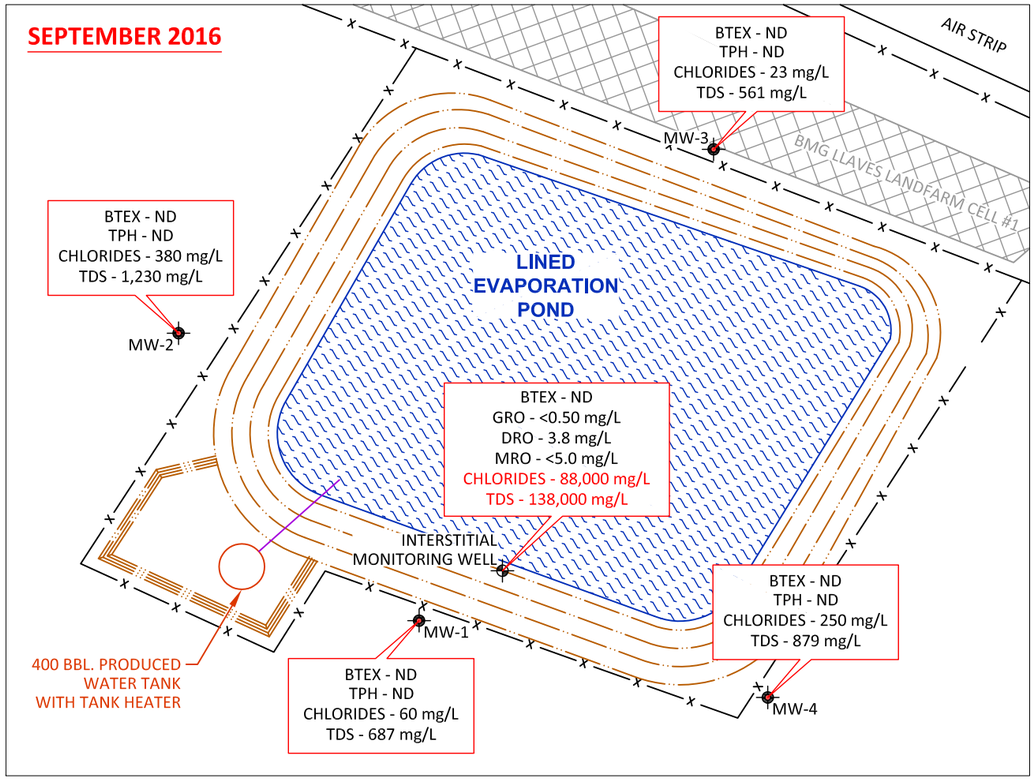
NOTE: SAMPLES WERE COLLECTED ON MARCH 26, JUNE 23, SEPTEMBER 24, AND DECEMBER 10, 2015. ALL SAMPLES ANALYZED PER EPA METHOD 8015B, 8021B, SM 2540C, AND 300.0.

N

SCALE
50 30 0 50
10
(1 INCH = 50 FEET)







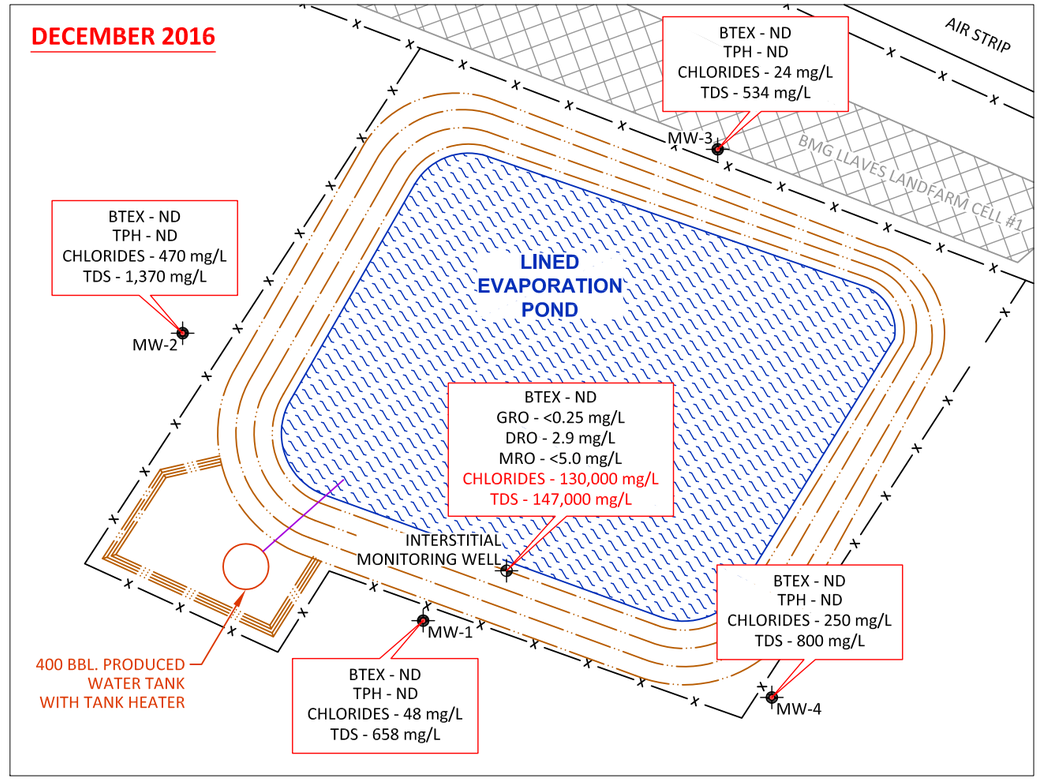


FIGURE 2C

BENSON-MONTIN-GREER CENTRALIZED SURFACE WASTE MANAGEMENT FACILITY EVAPORATION POND AND MONITOR WELL LOCATIONS 2016 CONCENTRATIONS

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

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DRAWN BY:	DATE DRAWN:
C. Lameman	January 11, 2013
REVISIONS BY:	**DATE REVISED:**
C. Lameman	December 27, 2018
CHECKED BY:	**DATE CHECKED:**
D. Reese	December 27, 2018
APPROVED BY:	**DATE APPROVED:**
E. McNally	December 27, 2018

LEGEND

x	FENCE
	EARTH BERM (SECONDARY CONTAINMENT)
	EXISTING POND LINER INTERSTITIAL MONITOR WELL
	GROUNDWATER MONITOR WELL
B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	TOTAL XYLENE
TPH	TOTAL PETROLEUM HYDROCARBONS
TDS	TOTAL DISSOLVED SOLIDS
GRO	GASOLINE RANGE ORGANICS
MRO	MOTOR OIL RANGE ORGANICS
DRO	DIESEL RANGE ORGANICS
ND	NOT DETECTED
mg/L	PARTS PER MILLION

NOTE: SAMPLES WERE COLLECTED ON MARCH 4, JUNE 17, SEPTEMBER 23, AND DECEMBER 19, 2016. ALL SAMPLES ANALYZED PER EPA METHOD 8015B, 8021B, SM 2540C, AND 300.0.

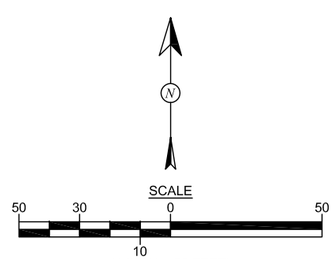

FIGURE 2D

BENSON-MONTIN-GREER CENTRALIZED SURFACE WASTE MANAGEMENT FACILITY EVAPORATION POND AND MONITOR WELL LOCATIONS 2017 CONCENTRATIONS

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

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DRAWN BY:	DATE DRAWN:
C. Lameman	January 11, 2013
REVISIONS BY:	**DATE REVISED:**
C. Lameman	December 27, 2018
CHECKED BY:	**DATE CHECKED:**
D. Reese	December 27, 2018
APPROVED BY:	**DATE APPROVED:**
E. McNally	December 27, 2018

LEGEND

x	FENCE
	EARTH BERM (SECONDARY CONTAINMENT)
	EXISTING POND LINER INTERSTITIAL MONITOR WELL
	GROUNDWATER MONITOR WELL
B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	TOTAL XYLENE
TPH	TOTAL PETROLEUM HYDROCARBONS
TDS	TOTAL DISSOLVED SOLIDS
GRO	GASOLINE RANGE ORGANICS
MRO	MOTOR OIL RANGE ORGANICS
DRO	DIESEL RANGE ORGANICS
ND	NOT DETECTED
mg/L	PARTS PER MILLION

NOTE: SAMPLES WERE COLLECTED ON APRIL 13, JUNE 20, SEPTEMBER 14, AND DECEMBER 14, 2017. ALL SAMPLES ANALYZED PER EPA METHOD 8015B, 8021B, SM 2540C, AND 300.0.

SCALE
50 30 0 50
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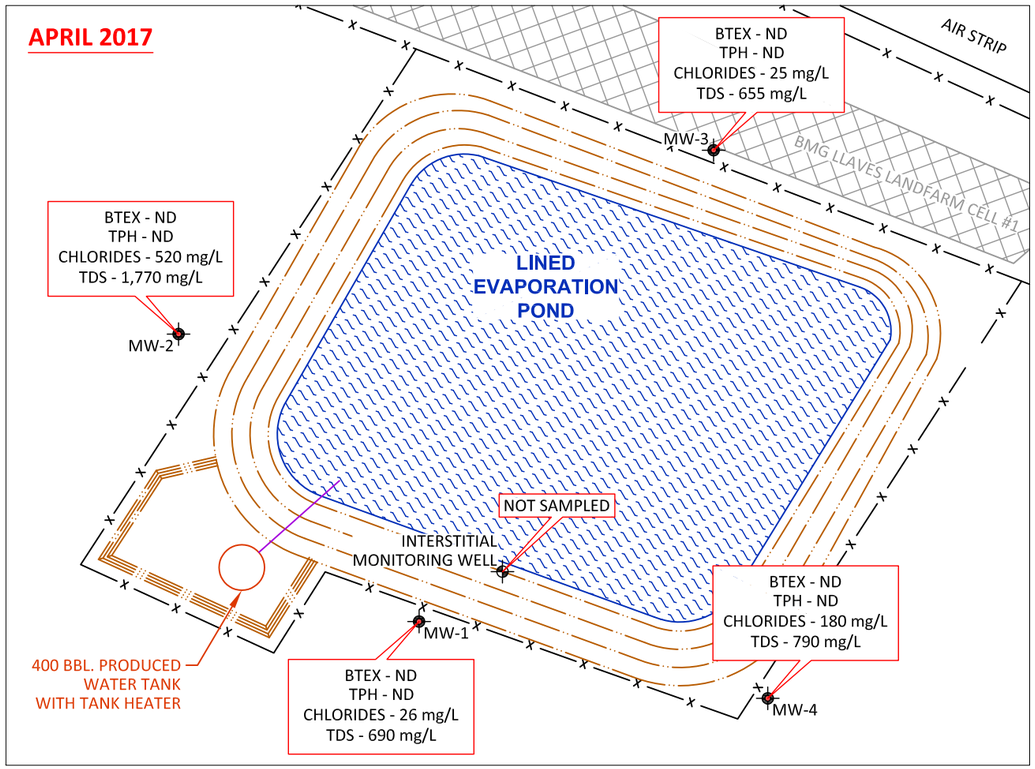
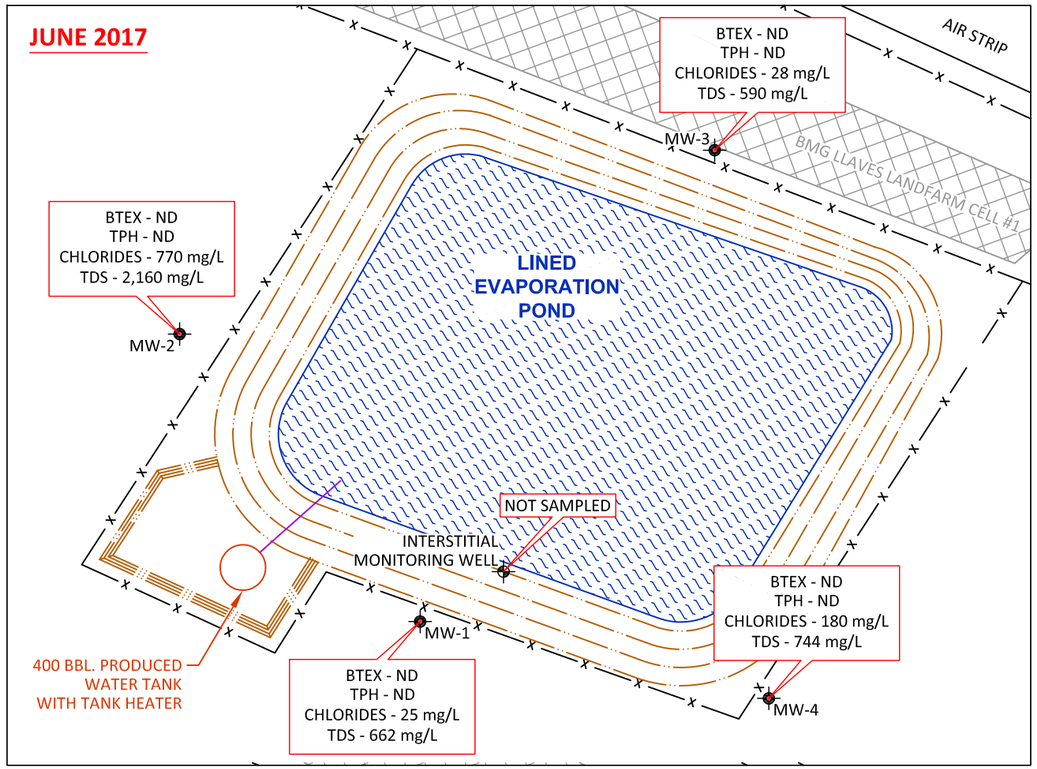
(1 INCH = 50 FEET)

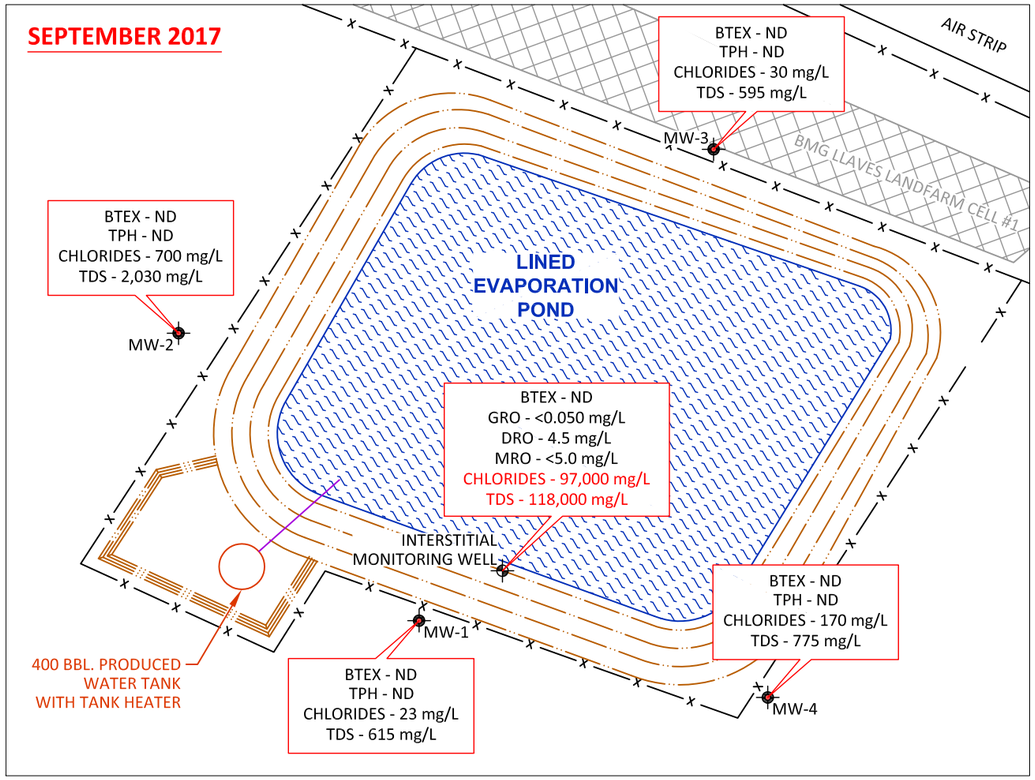
APRIL 2017



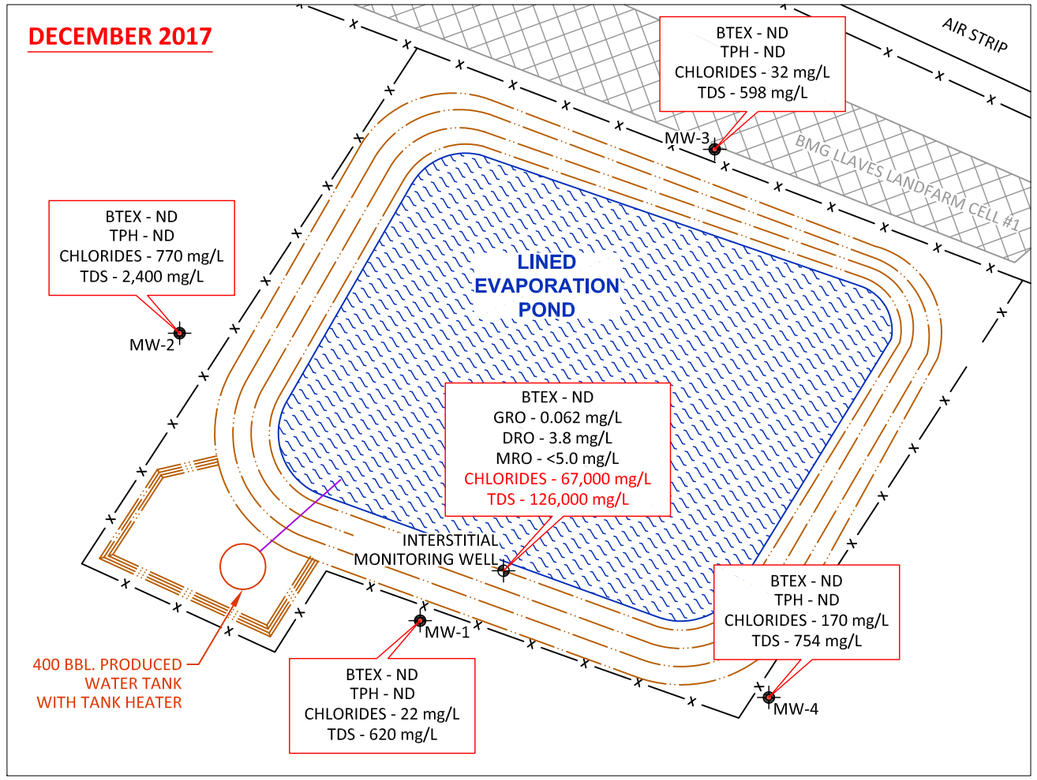
JUNE 2017

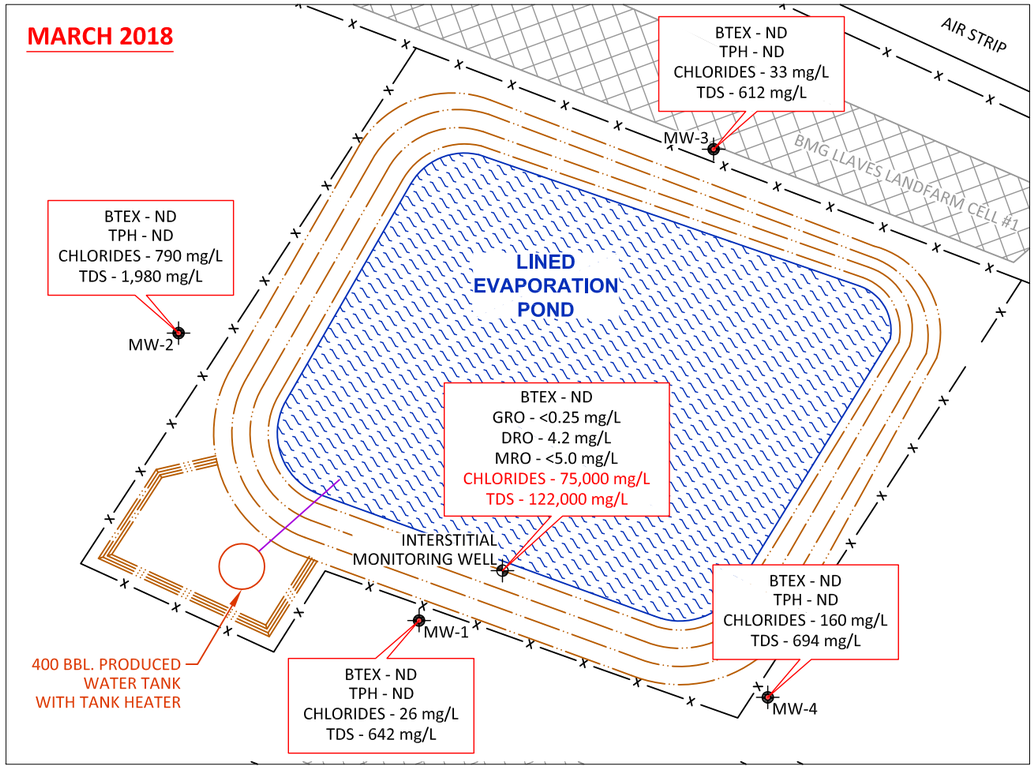


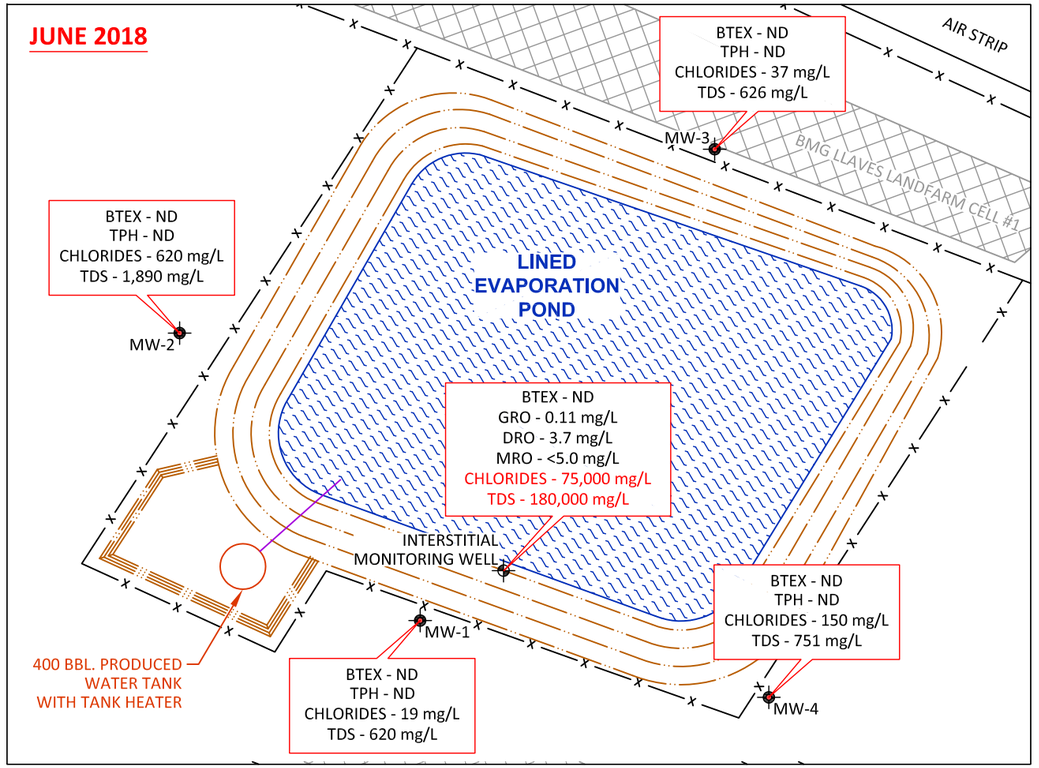
SEPTEMBER 2017

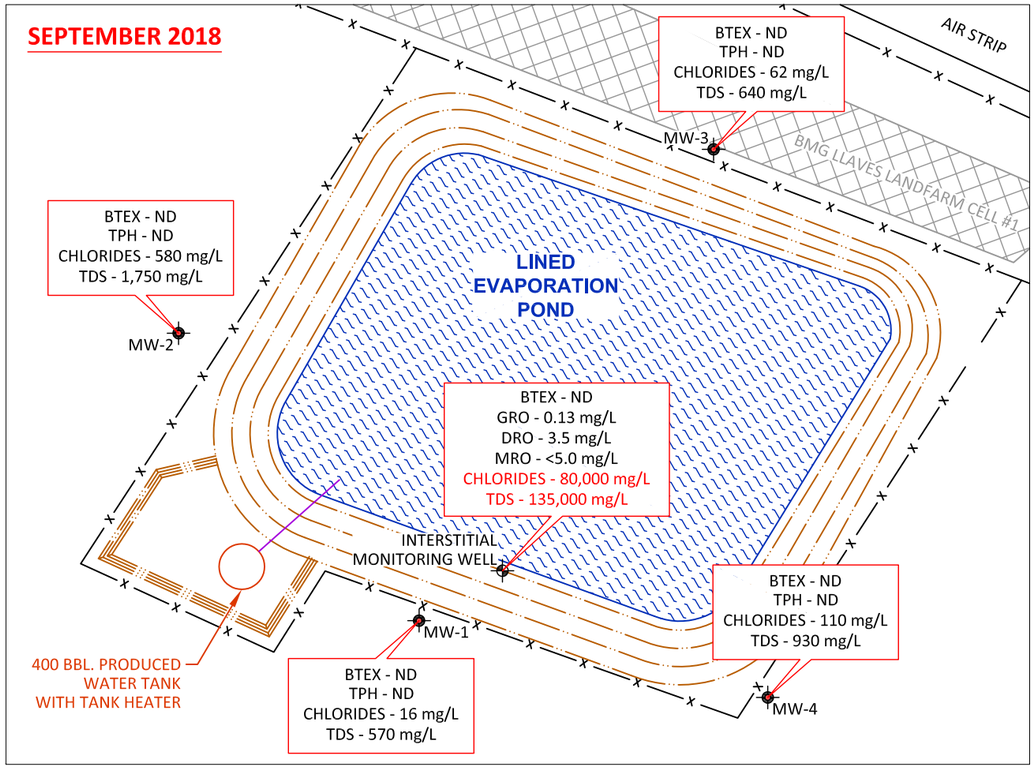


DECEMBER 2017









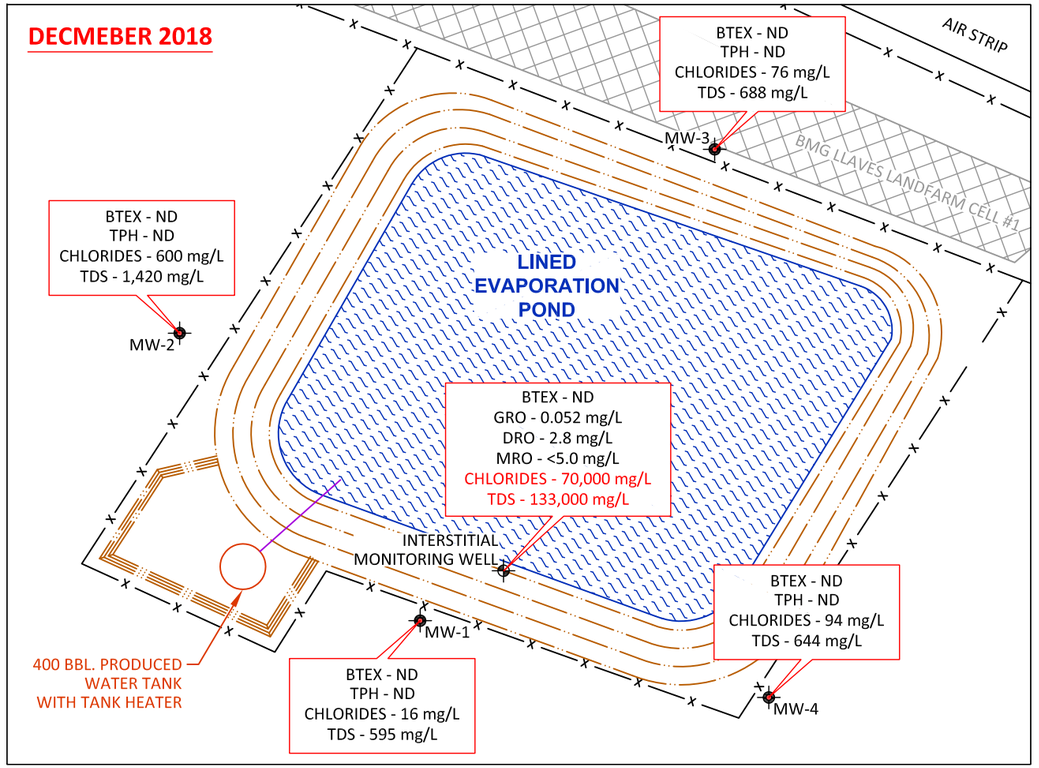


FIGURE 2E

BENSON-MONTIN-GREER CENTRALIZED SURFACE WASTE MANAGEMENT FACILITY EVAPORATION POND AND MONITOR WELL LOCATIONS 2018 CONCENTRATIONS

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

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Farmington, NM • Durango, CO
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DRAWN BY:	DATE DRAWN:
C. Lameman	January 11, 2013
REVISIONS BY:	**DATE REVISED:**
C. Lameman	December 27, 2018
CHECKED BY:	**DATE CHECKED:**
D. Reese	December 27, 2018
APPROVED BY:	**DATE APPROVED:**
E. McNally	December 27, 2018

LEGEND

x	FENCE
	EARTH BERM (SECONDARY CONTAINMENT)
	EXISTING POND LINER INTERSTITIAL MONITOR WELL
	GROUNDWATER MONITOR WELL
B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	TOTAL XYLENE
TPH	TOTAL PETROLEUM HYDROCARBONS
TDS	TOTAL DISSOLVED SOLIDS
GRO	GASOLINE RANGE ORGANICS
MRO	MOTOR OIL RANGE ORGANICS
DRO	DIESEL RANGE ORGANICS
ND	NOT DETECTED
mg/L	PARTS PER MILLION

NOTE: SAMPLES WERE COLLECTED ON MARCH 14, JUNE 12, SEPTEMBER 17 AND DECEMBER 19, 2018. ALL SAMPLES ANALYZED PER EPA METHOD 8015B, 8021B, SM 2540C, AND 300.0.

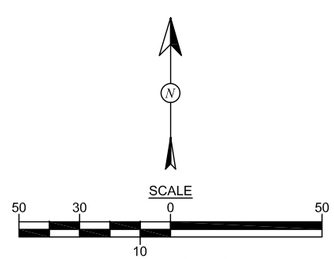

FIGURE 3A

BENSON-MONTIN-GREER TREATMENT ZONE MONITORING LOCATIONS AND RESULTS 2014

NW¼ NW¼, SECTION 20, T25N, R12E
LLAVES, RIO ARRIBA COUNTY, NEW MEXICO

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animasenvironmental.com

DRAWN BY:	DATE DRAWN:
C. Lameman	January 11, 2013
REVISIONS BY:	**DATE REVISED:**
C. Lameman	November 15, 2018
CHECKED BY:	**DATE CHECKED:**
D. Reese	November 15, 2018
APPROVED BY:	**DATE APPROVED:**
E. McNally	November 15, 2018

SUMMARY OF TREATMENT ZONE MONITORING, MARCH 2014

SAMPLE ID	SAMPLE DATE	SAMPLE DEPTH (ft)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	XYLENE (mg/kg)	TPH (mg/kg)	CHLORIDE (mg/kg)
TREATMENT ZONE	31-Mar-14	0.5	<0.027	<0.027	<0.027	<0.055	**1,470**	<30

ALL SAMPLES WERE COMPOSITE.

TREATMENT ZONE MONITORING LOCATIONS, MAY 2014

SAMPLE ID	SAMPLE LOCATION	SAMPLE DATE	SAMPLE DEPTH (ft)	TPH (mg/kg)	CHLORIDE (mg/kg)
TZ-Cell #1	CELL #1	6-May-14	0.5	26	120
TZ-Cell #2	CELL #2	6-May-14	0.5	**780**	50
TZ-Cell #3	CELL #3	6-May-14	0.5	**2,300**	<30

ALL SAMPLES WERE COMPOSITE SAMPLES.

TREATMENT ZONE MONITORING LOCATIONS, SEPTEMBER 2014

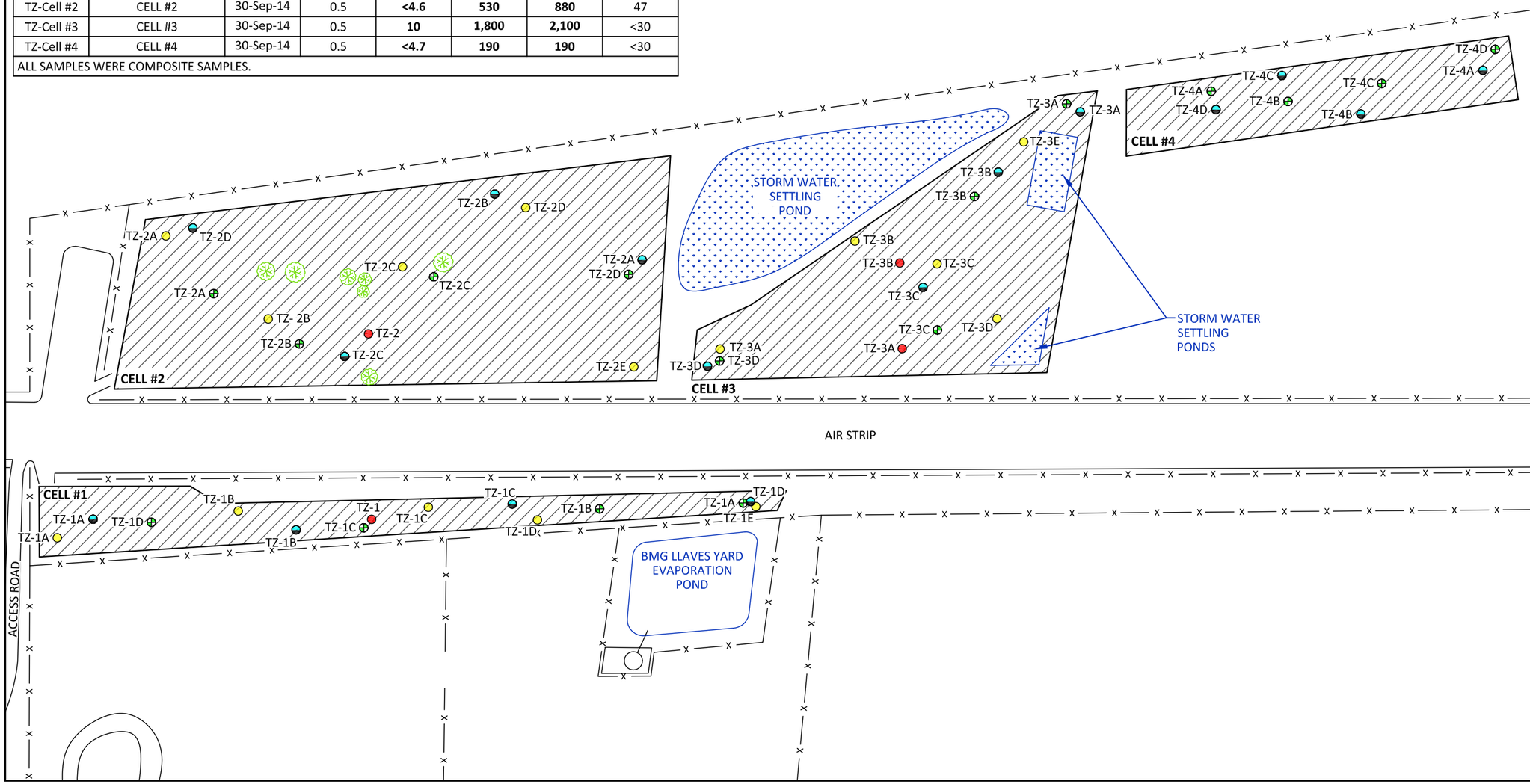
SAMPLE ID	SAMPLE LOCATION	SAMPLE DATE	SAMPLE DEPTH (ft)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	CHLORIDE (mg/kg)
TZ-Cell #1	CELL #1	30-Sep-14	0.5	**<4.7**	**620**	**2,200**	140
TZ-Cell #2	CELL #2	30-Sep-14	0.5	**<4.6**	**530**	**880**	47
TZ-Cell #3	CELL #3	30-Sep-14	0.5	**10**	**1,800**	**2,100**	<30
TZ-Cell #4	CELL #4	30-Sep-14	0.5	**<4.7**	**190**	**190**	<30

ALL SAMPLES WERE COMPOSITE SAMPLES.

TREATMENT ZONE MONITORING LOCATIONS, DECEMBER 2014

SAMPLE ID	SAMPLE LOCATION	SAMPLE DATE	SAMPLE DEPTH (ft)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	CHLORIDE (mg/kg)
TZ-Cell #1	CELL #1	2-Dec-14	0.5	**150**	**4,500**	**5,700**	56
TZ-Cell #2	CELL #2	2-Dec-14	0.5	**6.2**	**1,400**	**1,200**	13
TZ-Cell #3	CELL #3	2-Dec-14	0.5	**<4.7**	**450**	**640**	10
TZ-Cell #4	CELL #4	2-Dec-14	0.5	**<4.6**	**130**	**190**	29.0

ALL SAMPLES WERE COMPOSITE SAMPLES.



LEGEND

- MARCH 2014 SAMPLE LOCATIONS
- MAY 2014 SAMPLE LOCATIONS
- SEPTEMBER 2014 SAMPLE LOCATIONS
- DECEMBER 2014 SAMPLE LOCATIONS

SCALE
150 90 0 150
30
(1 INCH = 150 FEET)

TREATMENT ZONE MONITORING LOCATIONS, MAY 2015					
SAMPLE ID	**SAMPLE LOCATION**	**SAMPLE DATE**	**SAMPLE DEPTH (ft)**	**TPH (mg/kg)**	**CHLORIDE (mg/kg)**
TZ-Cell #1	CELL #1	27-Mar-15	0.5	**5,600**	<30
TZ-Cell #2	CELL #2	27-Mar-15	0.5	**160**	<30
TZ-Cell #3	CELL #3	27-Mar-15	0.5	98	<30
TZ-Cell #4	CELL #4	27-Mar-15	0.5	**2,200**	<30
ALL SAMPLES WERE COMPOSITE SAMPLES.					

TREATMENT ZONE MONITORING LOCATIONS, SEPTEMBER 2015					
SAMPLE ID	**SAMPLE LOCATION**	**SAMPLE DATE**	**SAMPLE DEPTH (ft)**	**TPH (mg/kg)**	**CHLORIDE (mg/kg)**
TZ-Cell #1	CELL #1	24-Sep-15	0.5	**1,400**	<30
TZ-Cell #2	CELL #2	24-Sep-15	0.5	**1,100**	32
TZ-Cell #3	CELL #3	24-Sep-15	0.5	**1,100**	<30
TZ-Cell #4	CELL #4	24-Sep-15	0.5	**370**	<30
ALL SAMPLES WERE COMPOSITE SAMPLES.					

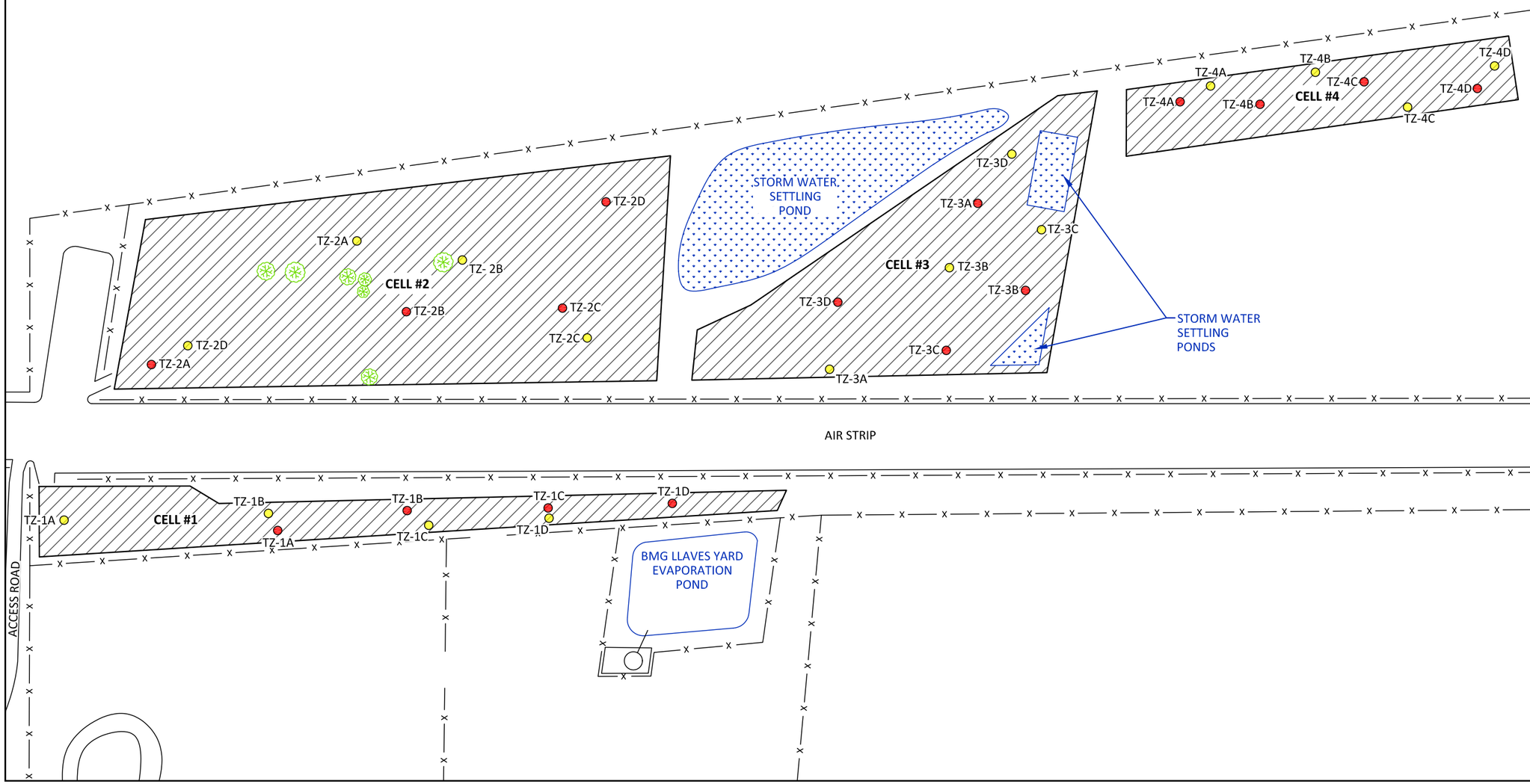


FIGURE 3B

BENSON-MONTIN-GREER TREATMENT ZONE MONITORING LOCATIONS AND RESULTS 2015

NW¼ NW¼, SECTION 20, T25N, R12E
LLAVES, RIO ARRIBA COUNTY, NEW MEXICO

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animasenvironmental.com

DRAWN BY: C. Lameman	**DATE DRAWN:** January 11, 2013
REVISIONS BY: C. Lameman	**DATE REVISED:** December 27, 2018
CHECKED BY: D. Reese	**DATE CHECKED:** December 27, 2018
APPROVED BY: E. McNally	**DATE APPROVED:** December 27, 2018

LEGEND

- MARCH 2015 SAMPLE LOCATIONS
- SEPTEMBER 2015 SAMPLE LOCATIONS

N

SCALE
150 90 0 150
30
(1 INCH = 150 FEET)

TREATMENT ZONE MONITORING LOCATIONS, MAY 2016					
SAMPLE ID	**SAMPLE LOCATION**	**SAMPLE DATE**	**SAMPLE DEPTH (ft)**	**TPH (mg/kg)**	**CHLORIDE (mg/kg)**
TZ-Cell #1	CELL #1	7-Mar-16	0.5	**1,300**	45
TZ-Cell #2	CELL #2	7-Mar-16	0.5	**2,600**	<30
TZ-Cell #3	CELL #3	7-Mar-16	0.5	**2,900**	<30
TZ-Cell #4	CELL #4	7-Mar-16	0.5	**190**	<30
ALL SAMPLES WERE COMPOSITE SAMPLES.					

TREATMENT ZONE MONITORING LOCATIONS, SEPTEMBER 2016					
SAMPLE ID	**SAMPLE LOCATION**	**SAMPLE DATE**	**SAMPLE DEPTH (ft)**	**TPH (mg/kg)**	**CHLORIDE (mg/kg)**
TZ-Cell #1	CELL #1	22-Sep-16	0.5	**1,100**	44
TZ-Cell #2	CELL #2	22-Sep-16	0.5	**4,600**	38
TZ-Cell #3	CELL #3	22-Sep-16	0.5	**2,000**	<30
TZ-Cell #4	CELL #4	22-Sep-16	0.5	**410**	<30
ALL SAMPLES WERE COMPOSITE SAMPLES.					

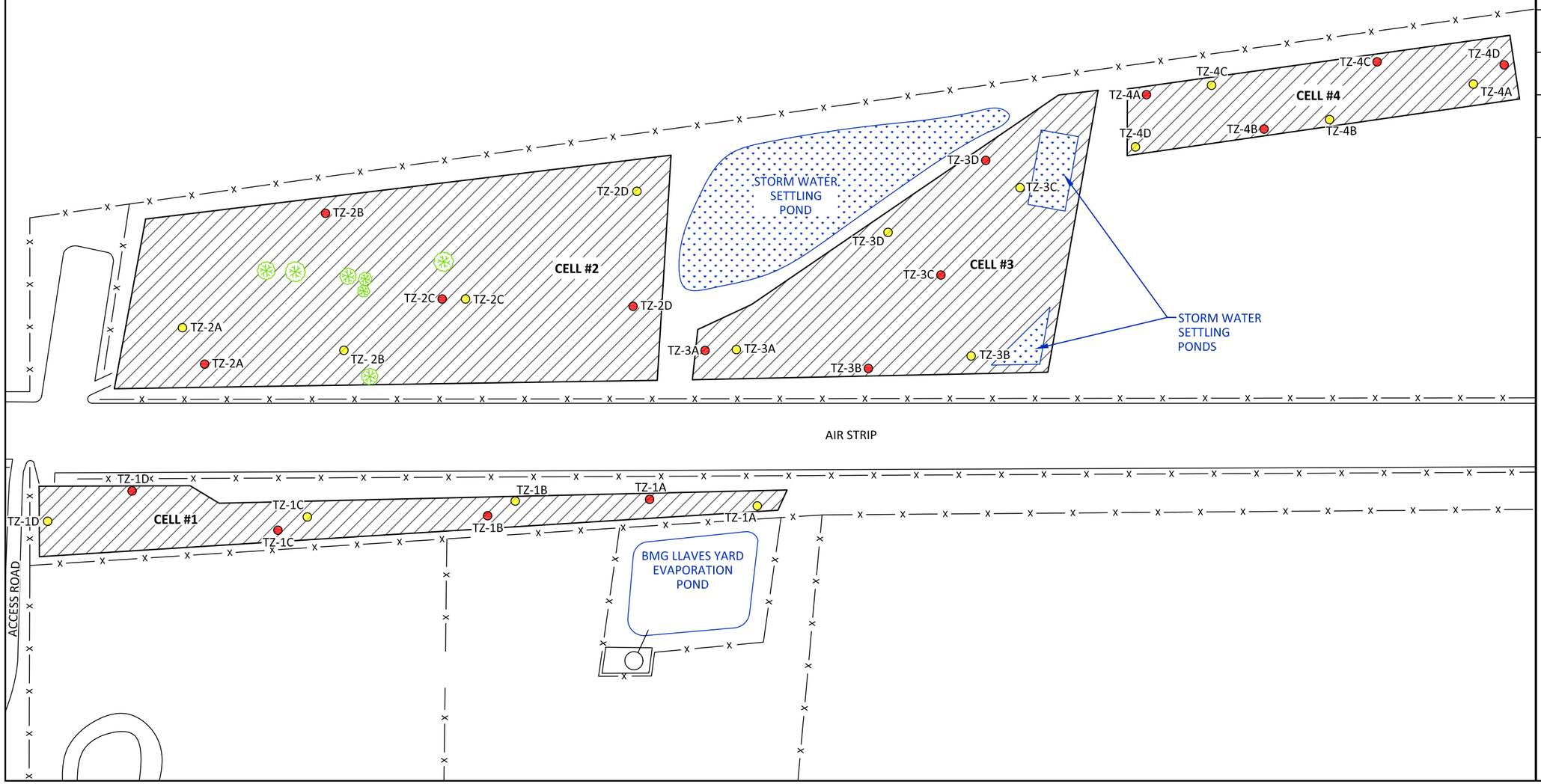

FIGURE 3C

BENSON-MONTIN-GREER TREATMENT ZONE MONITORING LOCATIONS AND RESULTS 2016

NW¼ NW¼, SECTION 20, T25N, R12E
LLAVES, RIO ARRIBA COUNTY, NEW MEXICO

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animasenvironmental.com

DRAWN BY: C. Lameman	**DATE DRAWN:** January 11, 2013
REVISIONS BY: C. Lameman	**DATE REVISED:** December 27, 2018
CHECKED BY: D. Reese	**DATE CHECKED:** December 27, 2018
APPROVED BY: E. McNally	**DATE APPROVED:** December 27, 2018

LEGEND

- MARCH 2016 SAMPLE LOCATIONS
- SEPTEMBER 2016 SAMPLE LOCATIONS

N

SCALE
150 90 0 150
30
(1 INCH = 150 FEET)

TREATMENT ZONE MONITORING LOCATIONS, APRIL 2017							
SAMPLE ID	**SAMPLE LOCATION**	**SAMPLE DATE**	**SAMPLE DEPTH (ft)**	**GRO (mg/kg)**	**DRO (mg/kg)**	**MRO (mg/kg)**	**CHLORIDE (mg/kg)**
TZ-Cell #1	CELL #1	13-Apr-17	0.5	**<4.6**	**190**	**690**	100
TZ-Cell #2	CELL #2	13-Apr-17	0.5	**<4.7**	**1,100**	**2,000**	<30
TZ-Cell #3	CELL #3	13-Apr-17	0.5	**<4.8**	**360**	**790**	<30
TZ-Cell #4	CELL #4	13-Apr-17	0.5	**<5.0**	**650**	**1,000**	<30
ALL SAMPLES WERE COMPOSITE SAMPLES.							

TREATMENT ZONE MONITORING LOCATIONS, SEPTEMBER 2017							
SAMPLE ID	**SAMPLE LOCATION**	**SAMPLE DATE**	**SAMPLE DEPTH (ft)**	**GRO (mg/kg)**	**DRO (mg/kg)**	**MRO (mg/kg)**	**CHLORIDE (mg/kg)**
TZ-Cell #1	CELL #1	20-Sep-17	0.5	**<4.8**	**320**	**700**	<30
TZ-Cell #2	CELL #2	20-Sep-17	0.5	**<4.9**	**990**	**1,500**	<30
TZ-Cell #3	CELL #3	20-Sep-17	0.5	**<4.7**	**660**	**1,400**	<30
TZ-Cell #4	CELL #4	20-Sep-17	0.5	**<4.6**	**160**	**270**	<30
ALL SAMPLES WERE COMPOSITE SAMPLES.							

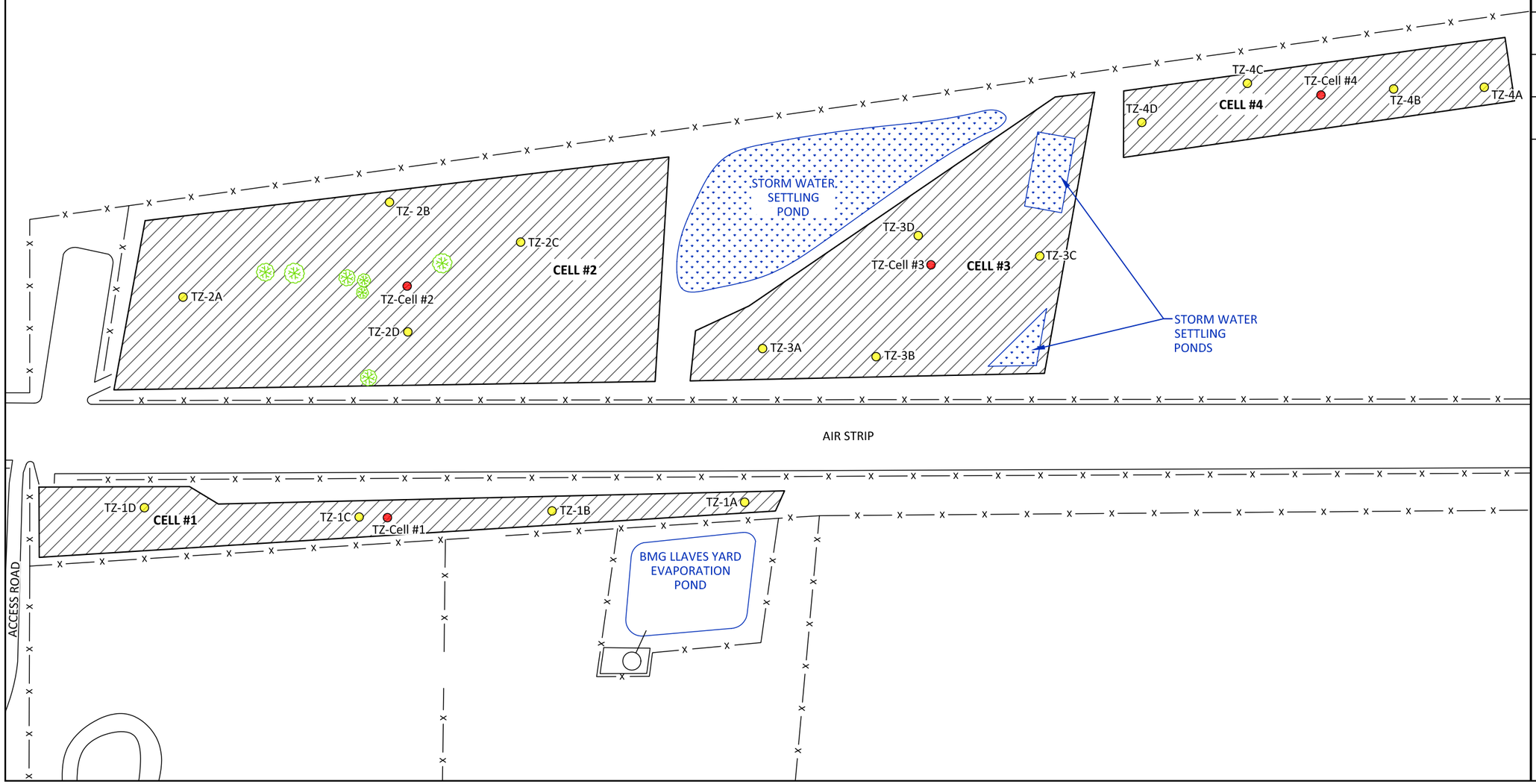

FIGURE 3D

BENSON-MONTIN-GREER TREATMENT ZONE MONITORING LOCATIONS AND RESULTS 2017

NW¼ NW¼, SECTION 20, T25N, R12E
LLAVES, RIO ARRIBA COUNTY, NEW MEXICO

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DRAWN BY: C. Lameman	**DATE DRAWN:** January 11, 2013
REVISIONS BY: C. Lameman	**DATE REVISED:** December 27, 2018
CHECKED BY: D. Reese	**DATE CHECKED:** December 27, 2018
APPROVED BY: E. McNally	**DATE APPROVED:** December 27, 2018

LEGEND

- APRIL 2017 SAMPLE LOCATIONS
- SEPTEMBER 2017 SAMPLE LOCATIONS

N

SCALE
150 90 0 150
30
(1 INCH = 150 FEET)

TREATMENT ZONE MONITORING LOCATIONS, MARCH 2018							
SAMPLE ID	SAMPLE LOCATION	SAMPLE DATE	SAMPLE DEPTH (ft)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	CHLORIDE (mg/kg)
TZ-Cell #1	CELL #1	13-Mar-18	0.5	**<4.9**	**49**	**160**	240
TZ-Cell #2	CELL #2	13-Mar-18	0.5	**<4.8**	**1,500**	**2,200**	<30
TZ-Cell #3	CELL #3	13-Mar-18	0.5	**<5.0**	**720**	**1,200**	<30
TZ-Cell #4	CELL #4	13-Mar-18	0.5	**<5.0**	**83**	**140**	<30
ALL SAMPLES WERE COMPOSITE SAMPLES.							

TREATMENT ZONE MONITORING LOCATIONS, SEPTEMBER 2018							
SAMPLE ID	SAMPLE LOCATION	SAMPLE DATE	SAMPLE DEPTH (ft)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	CHLORIDE (mg/kg)
TZ-Cell #1	CELL #1	17-Sep-18	0.5	<4.9	<9.6	<48	110
TZ-Cell #2	CELL #2	17-Sep-18	0.5	**32**	**2,000**	**2,600**	<30
TZ-Cell #3	CELL #3	17-Sep-18	0.5	<4.6	240	420	<30
TZ-Cell #4	CELL #4	17-Sep-18	0.5	<4.9	10	<46	<30
ALL SAMPLES WERE COMPOSITE SAMPLES.							

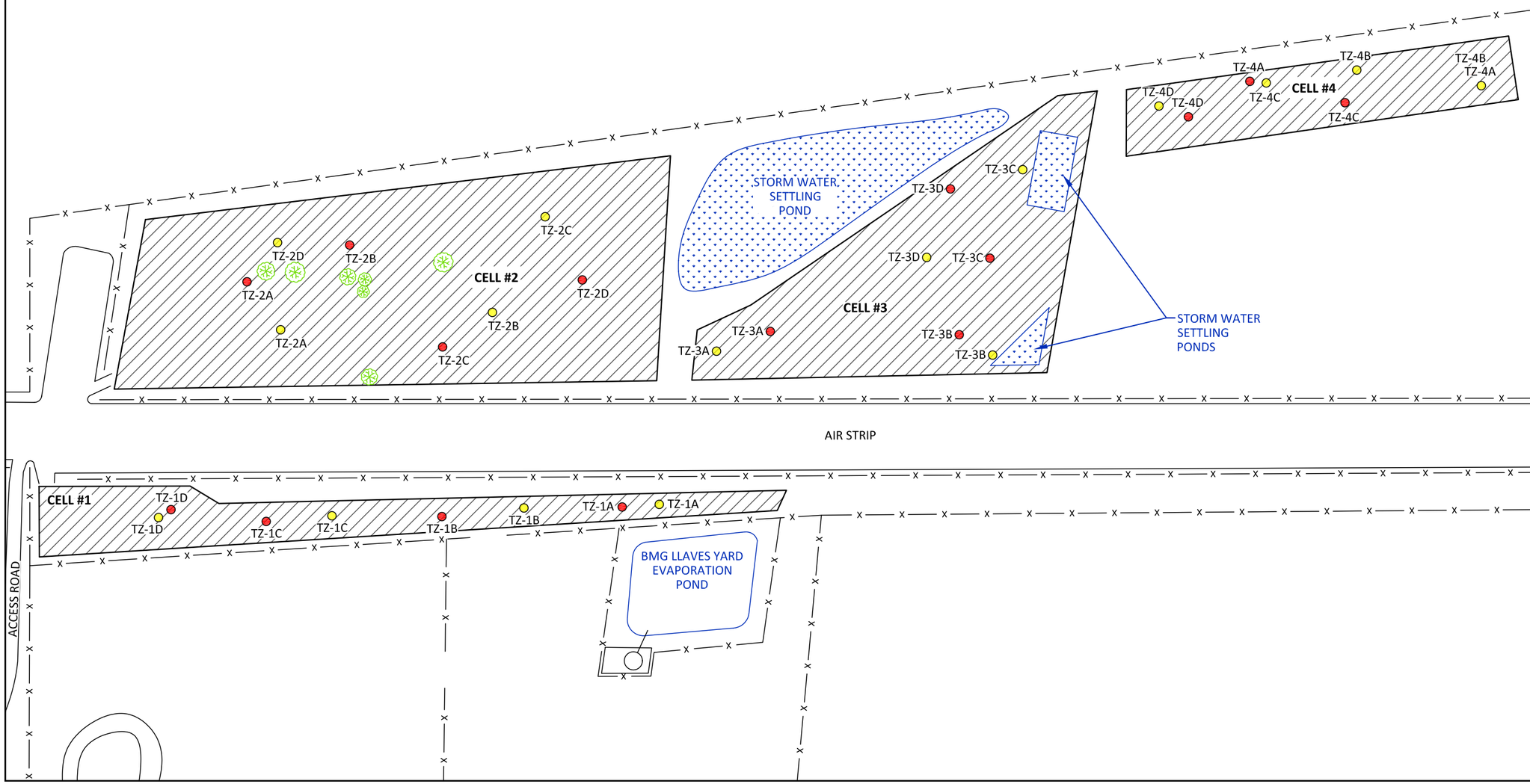

FIGURE 3E

BENSON-MONTIN-GREER TREATMENT ZONE MONITORING LOCATIONS AND RESULTS 2018

NW¼ NW¼, SECTION 20, T25N, R12E
LLAVES, RIO ARRIBA COUNTY, NEW MEXICO

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REVISIONS BY:	**DATE REVISED:**
C. Lameman	December 27, 2018
CHECKED BY:	**DATE CHECKED:**
D. Reese	December 27, 2018
APPROVED BY:	**DATE APPROVED:**
E. McNally	December 27, 2018

LEGEND

- MARCH 2018 SAMPLE LOCATIONS
- SEPTEMBER 2018 SAMPLE LOCATIONS

SCALE
150 90 0 150
30
(1 INCH = 150 FEET)

FIGURE 4A

BENSON-MONTIN-GREER VADOSE ZONE MONITORING LOCATIONS, 2014

NW¼ NW¼, SECTION 20, T25N, R12E
LLAVES, RIO ARRIBA COUNTY, NEW MEXICO

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DRAWN BY:	DATE DRAWN:
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REVISIONS BY:	**DATE REVISED:**
C. Lameman	November 15, 2018
CHECKED BY:	**DATE CHECKED:**
D. Reese	November 15, 2018
APPROVED BY:	**DATE APPROVED:**
E. McNally	November 15, 2018

SEE TABLE 5 FOR LABORATORY ANALYTICAL RESULTS

CELL #2
VZ-Cell #2 S-1
VZ-Cell #2 S-2
VZ-Cell #2 S-4
Cell #2 VZ-S2
Cell #2 VZ-S1
Cell #2 VZ-S4
VZ-#2
Cell #2 VZ-S3
VZ-Cell #2 S-3

STORM WATER SETTLING POND

CELL #3
VZ-Cell #3 S-4
VZ-Cell #3 S-3
VZ-Cell #3 S-2
VZ-Cell #3 S-1
VZ-#3

STORM WATER SETTLING PONDS

CELL #4
VZ-Cell #4 S-1
VZ-Cell #4 S-3
VZ-Cell #4 S-4
VZ-#4
VZ-Cell #4 S-2

AIR STRIP

CELL #1
VZ-Cell #1 S-4
VZ-Cell #1 S-1
Cell #1 VZ-S1
VZ-Cell #1 S-2
Cell #1 VZ-S2
VZ-#1
VZ-Cell #1 S-3
Cell #1 VZ-S3
Cell #1 VZ-S4

BMG LLAVES YARD EVAPORATION POND

LEGEND

- MARCH 2014 SAMPLE LOCATIONS
- MAY 2014 SAMPLE LOCATIONS
- OCTOBER 2014 SAMPLE LOCATIONS
- DECEMBER 2014 SAMPLE LOCATIONS

N

SCALE
150 90 0 150
30
(1 INCH = 150 FEET)

FIGURE 4B

BENSON-MONTIN-GREER VADOSE ZONE MONITORING LOCATIONS, 2015

NW¼ NW¼, SECTION 20, T25N, R12E
LLAVES, RIO ARRIBA COUNTY, NEW MEXICO

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DRAWN BY:	DATE DRAWN:
C. Lameman	January 11, 2013
REVISIONS BY:	**DATE REVISED:**
C. Lameman	November 15, 2018
CHECKED BY:	**DATE CHECKED:**
D. Reese	November 15, 2018
APPROVED BY:	**DATE APPROVED:**
E. McNally	November 15, 2018

SEE TABLE 5 FOR LABORATORY ANALYTICAL RESULTS

CELL #1
CELL #2
CELL #3
CELL #4
STORM WATER SETTLING POND
STORM WATER SETTLING PONDS
BMG LLAVES YARD EVAPORATION POND
AIR STRIP

LEGEND

- MARCH 2015 SAMPLE LOCATIONS
- JUNE 2015 SAMPLE LOCATIONS
- SEPTEMBER 2015 SAMPLE LOCATIONS
- DECEMBER 2015 SAMPLE LOCATIONS

N

SCALE
150 90 0 150
30
(1 INCH = 150 FEET)

FIGURE 4C

BENSON-MONTIN-GREER VADOSE ZONE MONITORING LOCATIONS, 2016

NW¼ NW¼, SECTION 20, T25N, R12E
LLAVES, RIO ARRIBA COUNTY, NEW MEXICO

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DRAWN BY:	DATE DRAWN:
C. Lameman	January 11, 2013
REVISIONS BY:	**DATE REVISED:**
C. Lameman	November 15, 2018
CHECKED BY:	**DATE CHECKED:**
D. Reese	November 15, 2018
APPROVED BY:	**DATE APPROVED:**
E. McNally	November 15, 2018

SEE TABLE 5 FOR LABORATORY ANALYTICAL RESULTS

CELL #1

CELL #2

CELL #3

CELL #4

STORM WATER SETTLING POND

STORM WATER SETTLING PONDS

BMG LLAVES YARD EVAPORATION POND

AIR STRIP

LEGEND

- MARCH 2016 SAMPLE LOCATIONS
- JUNE 2016 SAMPLE LOCATIONS
- SEPTEMBER 2016 SAMPLE LOCATIONS
- DECEMBER 2016 SAMPLE LOCATIONS

N

SCALE
150 90 0 150
30
(1 INCH = 150 FEET)

FIGURE 4D

BENSON-MONTIN-GREER VADOSE ZONE MONITORING LOCATIONS, 2017

NW¼ NW¼, SECTION 20, T25N, R12E
LLAVES, RIO ARRIBA COUNTY, NEW MEXICO

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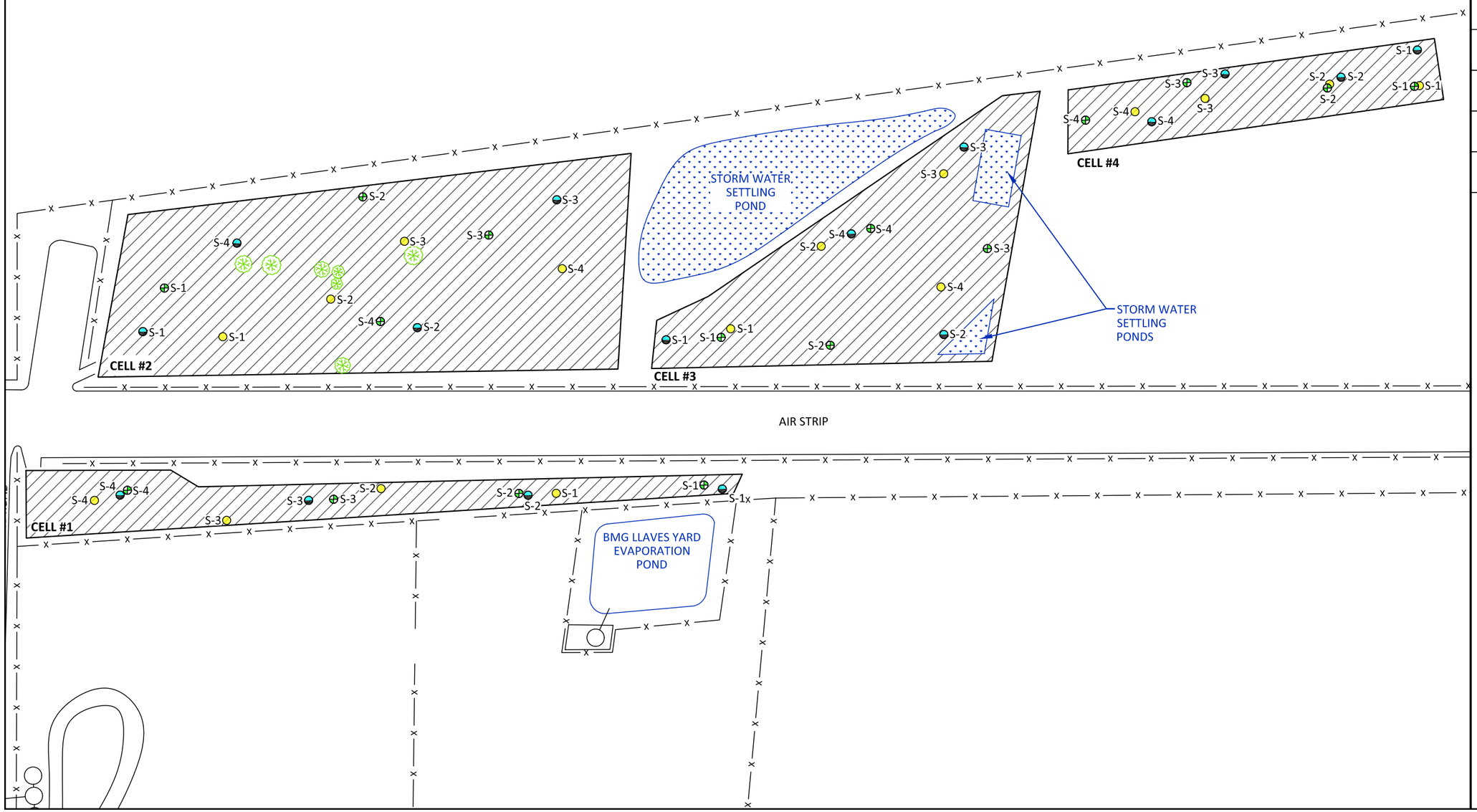
DRAWN BY:	DATE DRAWN:
C. Lameman	January 11, 2013
REVISIONS BY:	**DATE REVISED:**
C. Lameman	November 15, 2018
CHECKED BY:	**DATE CHECKED:**
D. Reese	November 15, 2018
APPROVED BY:	**DATE APPROVED:**
E. McNally	November 15, 2018

SEE TABLE 5 FOR LABORATORY ANALYTICAL RESULTS



LEGEND

- APRIL 2017 SAMPLE LOCATIONS (NO GPS LOCATIONS TAKEN)
- JUNE 2017 SAMPLE LOCATIONS
- SEPTEMBER 2017 SAMPLE LOCATIONS
- DECEMBER 2017 SAMPLE LOCATIONS

N

SCALE
150 90 0 150
30
(1 INCH = 150 FEET)

FIGURE 4E

BENSON-MONTIN-GREER VADOSE ZONE MONITORING LOCATIONS, 2018

NW¼ NW¼, SECTION 20, T25N, R12E
LLAVES, RIO ARRIBA COUNTY, NEW MEXICO

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REVISIONS BY:	**DATE REVISED:**
C. Lameman	December 27, 2018
CHECKED BY:	**DATE CHECKED:**
D. Reese	December 27, 2018
APPROVED BY:	**DATE APPROVED:**
E. McNally	December 27, 2018

SEE TABLE 5 FOR LABORATORY ANALYTICAL RESULTS

CELL #1

CELL #2

CELL #3

CELL #4

STORM WATER SETTLING POND

STORM WATER SETTLING PONDS

BMG LLAVES YARD EVAPORATION POND

AIR STRIP

LEGEND

- MARCH 2018 SAMPLE LOCATIONS
- JULY 2018 SAMPLE LOCATIONS
- SEPTEMBER 2018 SAMPLE LOCATIONS
- DECEMBER 2018 SAMPLE LOCATIONS

N

SCALE
150 90 0 150
30
(1 INCH = 150 FEET)

Appendix

DEPTH TO GROUNDWATER MEASUREMENT FORM

Animas Environmental Services
624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project: Groundwater Monitoring
Site: BMG Llaves Yard Evaporation Pond
Location: Llaves, Rio Arriba County, New Mexico
Tech: C. Lameman / S. Glasses

Project No.: AES 040605
Date: 3-31-14
Time: 1200
Form: 1 of 1

Well I.D.	Time	Depth to NAPL (ft.)	Depth to Water (ft.)	NAPL Thickness (ft.)	Notes / Observations
MW-1	1354	-	40.51	-	
MW-2	1607	-	41.70	-	
MW-3	1220	-	40.83	-	
MW-4	1322	-	41.34	-	
Interstitial	1522	-	9.52	-	

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, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG Llaves Yard Evaporation Pond
Location: Llaves, Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: CL/SG
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.57 **Time:** 1354 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: AES 040605
Date: 8-31-14
Arrival Time: 1353
Air Temp: _____
T.O.C. Elev. (ft): TBS
Total Well Depth (ft): 45.55

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1403	11.64	0.734	1.89	7.71	169.9	0.25	Clear/No Odor
1416	11.50	0.734	2.52	7.46	167.7	1 gal.	Sediment/Yellow/No Odor
1509							Samples Collected
							Extremely Slow
							Recharge.

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX and TPH per EPA Method 8021/8015 (6 - 40mL Vials; 5 w/ HCl preserve and 1 w/ no preserve)
Chlorides (300.0) and TDS (2540C) (1 - 500 mL plastic w/ no preserve)

Disposal of Purged Water: Ground Evaporation
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes.
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Extremely Low Yield + Extremely Slow Recharge. Left for 20 min Recharge only got 1/4 of bailer full.

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-2

Animas Environmental Services
624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG Llaves Yard Evaporation Pond
Location: Llaves, Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: CL/SG
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 41.70 **Time:** 1607 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: AES 040605
Date: 3-31-14
Arrival Time: 1605
Air Temp: _____
T.O.C. Elev. (ft): TBS
Total Well Depth (ft): 45.54

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1615	11.77	0.814	6.03	7.82	103.9	0.25	Clear / No Odor
1622	11.56	0.760	5.51	7.63	94.7	1	Sed/Tan / No Odor
1650							Samples Collected
							Extremely Slow
							Recharge

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX and TPH per EPA Method 8021/8015 (6 - 40mL Vials; 5 w/ HCl preserve and 1 w/ no preserve)
Chlorides (300.0) and TDS (2540C) (1 - 500 mL plastic w/ no preserve)

Disposal of Purged Water: Ground Evaporation
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Extremely Slow Recharge + Extremely Low Yield.

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-3

Animas Environmental Services
624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG Llaves Yard Evaporation Pond
Location: Llaves, Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: ~~XXXXXXX~~ CL / SHG
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.83 **Time:** 1220 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: D.T.P.: _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: AES 040605
Date: 3/31/14
Arrival Time: 1215
Air Temp:
T.O.C. Elev. (ft): TBS
Total Well Depth (ft): 45.59

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1230	11.56	0.736	~~4.96~~ 4.96	7.76	-66.5	0.25	Sl. Cloudy / No. Odor
1239	11.38	0.729	5.33	7.51	144.6	1	Red Sed. / No Odor
1259							Samples collected
							Very Low Yield
							and Recharge

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX and TPH per EPA Method 8021/8015 (6 - 40mL Vials; 5 w/ HCl preserve and 1 w/ no preserve)
Chlorides (300.0) and TDS (2540C) (1 - 500 mL plastic w/ no preserve)

Disposal of Purged Water: On to the ground = Evaporation
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Well Cap on stick up - lock is broken.

Very Low Yield - Samples Collected

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-4

Animas Environmental Services
624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG Llaves Yard Evaporation Pond
Location: Llaves, Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: ~~D. Willis~~ CL/SG
Purge / No Purge: Purge
Well Diameter (in): 2

Project No.: AES 040605
Date: 3-31-14
Arrival Time: 1318
Air Temp:
T.O.C. Elev. (ft): TBS
Total Well Depth (ft): 45.6

Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 41.34 **Time:** 1322 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
~~1330~~ 1330	12.09	0.757	5.17	7.68	163.1	0.25	Sl. Sed. / No Odor
1702							Samples Collected
							Extremely Slow
							Recharge and
							Yield

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX and TPH per EPA Method 8021/8015 (6 - 40mL Vials; 5 w/ HCl preserve and 1 w/ no preserve)
Chlorides (300.0) and TDS (2540C) (1 - 500 mL plastic w/ no preserve)

Disposal of Purged Water: Evaporation
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Extremely Low Yield - Very Slow Recharge

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: Interstitial Well

Animas Environmental Services
624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG Llaves Yard Evaporation Pond
Location: Llaves, Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: ~~M. Willis~~ CL/SG
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 9.52 **Time:** 1522 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: AES 040605
Date: 3-31-14
Arrival Time: 1519
Air Temp:
T.O.C. Elev. (ft): TBS
Total Well Depth (ft): 12.1

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1528	8.12	136.2	2.42	6.66	175.3	0.25	Yellow/No Odor
1530	7.74	138.3	1.75	6.76	149.2	1	"
1532	7.70	138.6	1.91	6.79	139.8	2	"
1534	7.58	138.7	2.11	6.76	131.7	3	"
1536	7.67	139.0	2.35	6.74	122.4	4	"
1538	7.65	139.0	1.87	6.74	111.9	5	"
1540	7.73	139.1	1.82	6.72	105.1	6	"
1542	7.85	138.5	1.82	6.71	101.4	7	"
1544	7.69	138.9	1.71	6.71	99.3	8	"
1546	7.65	139.2	2.01	6.68	93.9	9	"
1551							Samples Collected

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX and TPH per EPA Method 8021/8015 (6 - 40mL Vials; 5 w/ HCl preserve and 1 w/ no preserve)
Chlorides (300.0) and TDS (2540C) (1 - 500 mL plastic w/ no preserve)

Disposal of Purged Water: Into Evaporation Pond
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Water Samples ~~was~~ were creating bubbles when shaken. Some samples may contain bubbles.

revised: 08/10/09

5/6/2014 BMG Landfarm

Mileage 116688 → 116932 = 244 FORD 2012 (#104)

Left office at 0625. Arrive at 0845.

CONTAMINATED LAYER

		GPS	Depth of Sample ~~Depth~~	~~Depth to V2~~	Time
Cell # 1	CS-1 ①	36.38966, -106.86788	6"		1130
	②	36.36953, -106.86712	6"	~~8"~~	1135
	③	36.38923, -106.86652	6"	~~12"~~	1140
	④	36.38893, -106.86604	6"	~~10"~~	1145
	⑤	36.38863, -106.86532	6"	~~8"~~	1150

Sample composited at 1155.

Cell # 2	①	36.39046, -106.86701	6"		1205
	②	36.39006, -106.86677	6"		1210
	③	36.39005, -106.86623	6"		1215
	④	36.39006, -106.86584	6"		1220
	⑤	36.38948, -106.86570	6"		1225

Sample composited at 1230.

Cell # 3	①	36.38928, -106.86543	6"		1235
	②	36.38936, -106.86479	6"		1240
	③	36.38919, -106.86443	6"		1245
	④	36.38900, -106.86416	6"		1250
	⑤	36.38949, -106.86392	6"		1255

Sample composited at 1300.

Rite in the Rain.

Scale: 1 square =

VADOSE ZONE

Cell 4 Mileage = 244 FORD 2010

0900 - Arrive - Leave 1550, Arrive AES @ 600pm

Sample	GPS	Time	Sample Depth	Vz depth
Vz - cell #4 S-1	GPS: 36.38940, -106.86340	@ 0910	at 2.5' depth.	—
S-2	36.38918, -106.86314	@ 0950	2.5' depth	—
S-3	36.38909, -106.86272	@ 1010	2.5' depth.	—
S-4	36.38892, -106.86229	@ 1030	2.5' depth	—
Vz - cell #1 S-1	36.38972, -106.86759	@ 1350	2.5' depth	8"
S-2	36.38747, -106.86703	@ 1420	2.5' depth	8"
S-3	36.38914, -106.86620	@ 1455	2.5' depth	8"
S-4	36.38879, -106.86551	@ 1530	2.5' depth	8"
Background sample	36.38662, -806.86620	@ 1545	2.5' depth	—

5/8/14 Leave AES @ 0715, Mileage 116947 ⇒ 239 FORD 2010

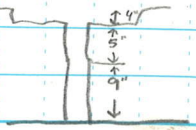
Arrive Landfarm @ 0935

Leave Landfarm @ 1500

Arrive AES @ 1715

VADOSE ZONE

Sample	GPS	Time	Vz Depth	Sample Depth	
Vz - Cell #2 S-1	36.~~39000~~, -106.866~~85~~	1015	3"	2.5'	* Vz only dug ↓ 3".
S-2	36.39018, -106.86621	1040	3"	↓	* Very hard soil. ↓3"
S-3	36.38976, -106.86598	1110	4"	↓	* Hit sandstone at 2.5'
S-4	36.38995, -106.86547	1220	6"	↓	* Dug to 6". ↓ Shovel
Vz - Cell #3 S-1	36.38919, -106.86517	1300	9"	2.5	Shoveled 10" down.
S-2	36.38918, -106.86439	1350	8"	↓	
S-3	36.38953, -106.86398	1415	7"	↓	
S-4	36.38890, -106.86430	1445	7"	↓	
* Vz - Cell #2 S-3	36.38973, -106.86597	HA sandstone again. Total depth from top = 18" Depth from hand surface = 14" Depth of lighter colored soil = 9"			



Scale: 1 square = _____

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-1

Animas Environmental Services

624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG Landfarm
Location: Evaporation pond
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Hinds, S. Glasses
Purge / No Purge: Purge
Well Diameter (in): 2

Project No.:
Date: 9/30/14
Arrival Time: 14:15 (Sampled at 17:00)
Air Temp: 62°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.62

Initial D.T.W. (ft): 39.70 **Time:** 14:16 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 39.70 **Time:** 14:17 *(taken prior to purging well)*
Final D.T.W. (ft): 44.99 **Time:** 17:05 *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
14:22	12.50	0.914	*	8.79	298.5	Initial	clear
14:24	12.00	0.911	*	8.45	305.8	0.5 gal	brownish, orange
14:34	13.16	0.924	*	~~11.0~~ 8.11	310.2	1.0 gal	brown, murky
15:45	12.92	0.901	*	8.29	297.3	1.5 gal	slightly brown
17:00	not enough sample for YSI measurement					2.0 gal	slightly brown

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX per Method 8021 (3 - 40 mL vials with HCl preserve)
TPH per Method 8015 (1 - 250 mL glass amber, no preserve)
Chlorides per Method 300.0 and TDS per Method 2540C (1 - 500 mL plastic, no preserve)

Disposal of Purged Water: onto ground surface - evaporation
Collected Samples Stored on Ice in Cooler: yes
Chain of Custody Record Complete: yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Very slow to recharge
* DO sensor on YSI not reading correctly

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-2

Animas Environmental Services

624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG Landfarm
Location: Evaporation Pond
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Hinds, S. Glasses
Purge / No Purge: Purge
Well Diameter (in): 2

Project No.:
Date: 10/1/14
Arrival Time: 07:30
Air Temp: 56°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.55

Sampled at 9:54

Initial D.T.W. (ft): 40.82 **Time:** 7:35 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.82 **Time:** 7:35 *(taken prior to purging well)*
Final D.T.W. (ft): 43.72 **Time:** 10:04 *(taken after sample collection)*
If NAPL Present: D.T.P.: _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
7:40	10.89	0.913	*	8.19	294.5	Initial	mostly clear
7:44	10.42	0.912	*	8.58	276.3	0.5 gal	brown, cloudy
8:53	10.79	0.936	*	8.51	278.8	1.0 gal	slight brown
9:54	11.36	0.947	*	8.18	294.0	1.5 gal	slight brown

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX per Method 8021 (3 - 40 mL vials with HCl preserve)

TPH per Method 8015 (1 - 250 mL glass amber, no preserve)

Chlorides per Method 300.0 and TDS per Method 2540C (1 - 500 mL plastic, no preserve)

Disposal of Purged Water: onto ground - evaporation
Collected Samples Stored on Ice in Cooler: yes
Chain of Custody Record Complete: yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Very slow to recharge
DO sensor on YSI not reading correctly

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-3

Animas Environmental Services

624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG Landfarm
Location: Evaporation Pond
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Hinds, S. Glasses
Purge / No Purge: Purge
Well Diameter (in): 2

Project No.:
Date: 9/30/14
Arrival Time: 09:30
Air Temp: 45°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.89

sampled at 12:05

Initial D.T.W. (ft): 40.13 **Time:** 09:45 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.13 **Time:** 09:45 *(taken prior to purging well)*
Final D.T.W. (ft): 43.83 **Time:** 12:10 *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
9:55	12.32	0.922	*	7.60	294.2	Initial	Slightly cloudy
9:57	11.84	0.914		7.78	248.1	0.5 gal	brownish
10:12	11.67	0.909		8.30	273.3	1.0 gal	brownish
10:44	12.57	0.907		8.03	273.1	1.5 gal	brownish
11:16	11.80	0.908		8.23	337.8	2.0 gal	slight brown
11:27	11.76	0.902		8.10	339.0	2.5 gal	mostly clear
12:05	12.86	0.895	↓	7.96	339.0	3.0 gal	mostly clear

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX per Method 8021 (3 - 40 mL vials with HCl preserve)

TPH per Method 8015 (1 - 250 mL glass amber, no preserve)

Chlorides per Method 300.0 and TDS per Method 2540C (1 - 500 mL plastic, no preserve)

Disposal of Purged Water: onto the ground - evaporation
Collected Samples Stored on Ice in Cooler: yes
Chain of Custody Record Complete: yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: * DO sensor on YSI not reading correctly
Well is very slow to recharge.

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-4

Animas Environmental Services

624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG Landfarm
Location: Evaporation Pond
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Hinds, S. Glass
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.55 **Time:** 12:32 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.55 **Time:** 12:32 *(taken prior to purging well)*
Final D.T.W. (ft): **Time:** 14:09 *(taken after sample collection)*
If NAPL Present: **D.T.P.:** **D.T.W.:** **Thickness:** **Time:**

Project No.:
Date: 9/30/14
Arrival Time: 12:30
Air Temp: 58°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.63

sampled at 14:05

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
12:38	12.75	0.939	*	8.13	333.1	Initial	slightly cloudy
12:40	12.17	0.935		8.28	333.4	0.5 gal	murky
12:57	11.87	0.934		8.11	336.1	1.0 gal	brownish
13:24	12.20	0.933		8.08	336.7	1.5 gal	mostly clear
13:39	11.90	0.934		8.13	335.4	2.0 gal	mostly clear
14:00	12.24	0.940	↓	8.17	276.5	2.5 gal	mostly clear

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX per Method 8021 (3 - 40 mL vials with HCl preserve)

TPH per Method 8015 (1 - 250 mL glass amber, no preserve)

Chlorides per Method 300.0 and TDS per Method 2540C (1 - 500 mL plastic, no preserve)

Disposal of Purged Water: onto ground surface = evaporation
Collected Samples Stored on Ice in Cooler: yes
Chain of Custody Record Complete: yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: * DO sensor on YSI not reading correctly.
Well is very slow to recharge.

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: Interstitial Well

Animas Environmental Services

624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG Landfarm
Location: Evaporation Pond
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Hinds, S. Glasses
Purge / No Purge: Purge
Well Diameter (in): ~~2~~
Initial D.T.W. (ft): 9.50 **Time:** 10:22 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): **Time:** *(taken prior to purging well)*
Final D.T.W. (ft): **Time:** *(taken after sample collection)*
If NAPL Present: **D.T.P.:** **D.T.W.:** **Thickness:** **Time:**

Project No.:
Date: 10/4/14
Arrival Time:
Air Temp:
T.O.C. Elev. (ft):
Total Well Depth (ft): 12.13

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
	See Notes						

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX per Method 8021 (3 - 40 mL vials with HCl preserve)

TPH per Method 8015 (1 - 250 mL glass amber, no preserve)

Chlorides per Method 300.0 and TDS per Method 2540C (1 - 500 mL plastic, no preserve)

Disposal of Purged Water:

Collected Samples Stored on Ice in Cooler:

Chain of Custody Record Complete:

Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM

Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Water is present in Interstitial Well.

~~9.50 - 12.1~~

12.13 - 9.50 = 2.63 ft depth of water

revised: 08/10/09

9/30/2014 **BMG Landfarm - MW and Soil Sampling**

Leave AES @ 0700. Mileage 122769. FORD 2010. Ben 505-330-1296
Arrive BMG Landfarm @ 0930. Depart at 17:10 Arrive Hotel in Cuba at 18:10.
Begin water well sampling @ 0945.
End water well sampling @ 17:00. MW-1, MW-3, MW-4 all sampled.

TREATMENT ZONE

CELL #1 GPS
① 36.38868, -106.86533
② 36.38891, -106.86598
③ 36.38925, -106.86674
④ 36.38960, -106.86765
Composited at 11:20.
All at depth of 6".
Moderate odor to samples.

CELL #2
① 36.39024, -106.86692
② 36.38998, -106.86670
③ 36.38995, -106.86613
④ 36.38975, -106.86564
Composited at 12:15.
All at depth of 6".
Most samples had small / moderate odor to them.

CELL #3
① 36.38956, -106.86372
② 36.38934, -106.86427
③ 36.38896, -106.86454
④ 36.38926, -106.86539
Composited at 13:25.
All at depth of 6"
Slight odor to these samples.

CELL #4
① 36.38934, -106.86319
② 36.38911, -106.86295
③ 36.38907, -106.86258
④ 36.38904, -106.86216
Composited at 15:00.
All at depth of 6".
No odor to any of these samples.

VADOSE ZONE

		GPS	Notes
VZ - Cell #1	S-1	36.38869, -106.86527 VZ depth ≈ 18" or more picked new S-1 location.	Down 18" and still very contaminated soil (odor and color). Joe said that runoff pools in this location
VZ - Cell #1	S-2	36.38900, -106.86606 VZ depth ≈ 4". Sampled at 11:00 on 10/1/14. at depth 2.5'	Very hard soil at 4" depth. Used pick down to 8".
VZ - Cell #1	S-3	36.38931, -106.86694 VZ depth ≈ 4". Sampled at 11:30 on 10/1/14. at depth 2.5'	Very hard soil at 4" depth. Used pick down to 8" depth.

10/1/14 **BMG LANDFARM MW and SOIL SAMPLING (continued)**

Leave Hotel in Cuba at 06:45 am. (15 minutes loading truck 6:30 - 6:45 am)
Arrive Landfarm at 07:30 am.

Begin sampling MW-2 at 07:35 am. Completed at 10:10 a.m.
Begin detection of water/fluid at interstitial well. Water present (visually and by water level indicator). Completed water well sampling at 10:25 am.

VADOSE ZONE (continued)

VZ - Cell #1 S-1 ~~36.38964, -106.867~~ 36.38953, -106.86723 VZ depth ≈ 6"
Sampled at 11:45 on 10/1/14. at depth 2.5'.

~~Sampled~~ Started digging at 36.38957, -106.86755. Strong odor and staining down to 7". Stopped digging due to no signs of change by 8". Soil at top 4" are well-tilled. Soil below 4" not tilled (or very poorly tilled.).

VZ - Cell #1 S-4 36.38974, -106.86764 VZ depth ≈ 5".
From top of till to start of hard soil is 5".
Dug down to 8" before starting to auger.
~~Evidence of old cow manure at 6-8"~~
Sampled at 12:00 on 10/1/14. at depth 2.5'.

Scale: 1 square = _____

VZ - Cell #2 S-1 36.39036, -106.86679

2.5" - 3" of soft fill before hitting hard soil.

Shoveled down to 6".

Augered down to 2.5'

Sampled at 12:20 on 10/1/14.

VZ - Cell #2 S-2 36.39016, -106.86650

Top 1" of soft fill before hitting hard soil.

Shoveled down to ~~5.5"~~. 6" (Evidence of cow manure 6-7".)

Augered down to ~~7"~~ 2.5'

Sampled at 12:35 on 10/1/14 at 2.5' depth.

VZ - Cell #2 S-3 36.38972, 106.86600

Top 1.5" of soft fill before hitting hard soil.

Shoveled down to 12".

(Cow manure from 2" - 4".)

(Dark brown/oily/smelly soil from 4" - 10".)

~~Augered at 2~~ down to 2.5'. (Very red soil from 10" → 2.5')

Sampled at 13:20 on 10/1/14.

VZ - Cell #2 S-4 36.39003, -106.86575

Top 2" of soft fill before hitting hard soil.

Shoveled down to 8" (soil turned red at 6.5").

Augered down to 2.5'.

Sampled at 13:45 on 10/1/14.

Filled all holes in w/ Bentonite.

Depart at 18:45

Rite in the Rain.

Scale: 1 square = _____

VADOSE ZONE continued...

VZ - Cell #3 S-1 36.38896, -106.86473

Top 5" of till then hit hard soil.

Shoveled down to 8". Red soil at 7".

Augered down to 2.5'.

Soil became dark grey w/ slight old hydrocarbon/oil smell.

Still sampled at 2.5' at 14:25 on 10/1/14.

VZ - Cell #3 S-2 36.38901, -106.86420

Top 5" of till then hit hard soil.

Shoveled down to 12". Hit red soil at 10".

Augered down to 2.5'. Soil still red, no odor.

Sampled at 2.5' at 14:50 on 10/1/14.

VZ - Cell #3 S-3 36.38925, -106.86449

Top 4.5" till then hit hard soil.

Shoveled to 12". Red soil at 10".

Augered down to 2.5'.

Sampled at 2.5' at 15:05 on 10/1/14.

VZ - Cell #3 S-4 36.38954, -106.86381

Top 4" till then hit hard soil.

Shoveled to 12". Red soil at 10".

Augered to 2.5'.

Sampled at 15:30 at 2.5' on 10/1/14.

Scale: 1 square = _____

VADOSE ZONE Continued

VZ - Cell # 4 S-1 36.38906, -106.86222

Top 3" of fill then hit hard soil. Very rocky (small river rock).
Shoveled down to 10". No visible change in soil color.
Augered down to 2.5'.
Sampled at 2.5' at 16:10 on 10/1/14.

VZ - Cell # 4 S-2 36.38900, -106.86260

Top 2" of fill then hit hard soil. Lots of small rocks.
Shoveled down to 8". No visible change in soil color.
Augued down to 2.5', Red soil from 12" → 2.5'.
Sampled at 2.5' depth at 16:30 on 10/1/14.

VZ - Cell #4 S-3 36.38921, -106.86296.

Top 2" of fill then hit hard soil. Lots of small Rocks.
2" - 8" VERY HARD, went from rocky to clayey.
Shoveled down to 8".
Augered down to 2.5',
Sampled at 17:00 at 2.5' on 10/1/14.

VZ - Cell # 4 S-4 36.38931, -106.86327

top 2" of fill then hit hard soil.
VERY HARD CLAY soil from 2" -
Shoveled down to 6.5".
Augered down to 2.5'.
Sampled at 2.5' at 17:30 at 10/1/14

Depart BMG Landfarm at 18:45
Arrive AES @ 20:45
Mileage 123073 (304 Miles)

Rite in the Rain.

Scale: 1 square = _____

Dec. 2, 2014 BMG Landfarm

Depart AES. Mileage 124873. Ford 2010.
@ 7:10

Arrive Landfarm @ 930.

Interstitral Well

Depth to water = 9.91 ft. Measured from east side of well.
Depth of well = 11.52 ft? ~~12.10 ft~~ 12.13 ft? Check with older notes.
Water bailed using 2" bailers. Started at ~~10:04~~ 10:01
3.5 gal, 3.5 gal, 3.5 gal, 1.0 gal =
Bailed 11.5 gal
Level of water appears to be lower than level of pond.
Same color as pond water - brownish orange.
Well Diameter = 0.65 ft
Completed bailing at 10:27.
Depth to water = 11.51 ft
Leave Interstral Well at 10:32.

Back to shop to get decon water.

MW-3

Arrive at 10:45. See notes in field sheets.
Depart at 11:48.

MW-4

Arrive at 11:52. See notes in field sheets
Depart at 12:44

MW-1

Arrive at 12:45. See notes in field sheets.
Depart at 14:51.

MW-2

Arrive at 13:50. See notes in field sheets.
Depart at 14:30.

Interstral Well

Return at 15:18.
Depth to water = 11.45ft

Rite in the Rain

Scale: 1 square = _____

Depart landfarm at 15:30.
Arrive AES @ 17:30.
Mileage 125114
Unload until 18:00.

Scale: 1 square = _____

BNF Landfarm DD/SE
12/9/14 Begin: 96757
End: 97005

Depart 7:30 Depart: 2:00pm
Arrive 4:30 Arrive: 4:00pm

12/9/14 Cell 2 VD-S1 0945

GPS N36.38955
W106.86575

Collected sample below red layer into tan layer, clean auger for sample collection 8-10" down to below red layer.

12/9/14 Cell 2 VD-S2
GPS N36.38984
W106.86604

Same as VD-1

12/9/14 Cell 2 VD-S3 10:30 collection
GPS N36.39027
W106.86646

No red layer observed, Started augering w/ decon'ed auger 8-10" below surface of tan, sandy layer w/ cobbles.

Cell 2 VD-S4
GPS N36.39022
W106.86708

Tan/sandy cobbles layer observed @ 6". Dug down to 10" Hard pack clay layer indefinately deep. Started augering at 10" down. Sample collected w/ decon'ed auger 2.5ft

Cell #1 VD-S1
GPS: 36.38963, -106.86771 → Mud brown clay observed @ 4". Dug down 10", Brown cobble layer. Augering started @ 10" below ground surface. Collected Sample @ 2.5' from 10" down.

Cell #1 VD-S2
GPS: 36.38940, -106.86726

Mud surface (Brown) @ surface - 6" down. Dug down 10", Augered down to 2.5' from 10" below ground.

Rite in the Rain.

Scale: 1 square = _____

12/9/14

Cell #1 VZ-S3
GPS: 36.38908, -106.86629

@ 6" Clay with Brown, Dug down 10" below grand surface. Started Augering down from 10" @ 2.5'

Cell #1 VZ-S4
GPS: 36.38873, -106.86537

Dug 10" down below grand surface. Collected Sample @ 2.5' from 10".

Scale: 1 square = _____

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

April 16, 2014

Debbie Watson

Animas Environmental Services
624 East Comanche
Farmington, NM 87401
TEL: (505) 486-4071
FAX

RE: BMG Llaves Landfarm/Evaporation Pond OrderNo.: 1404094

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 11 sample(s) on 4/2/2014 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued April 10, 2014.

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.

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-1
Project: BMG Llaves Landfarm/Evaporation Pon
Collection Date: 3/31/2014 3:09:00 PM
Lab ID: 1404094-001
Matrix: AQUEOUS
Received Date: 4/2/2014 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE						Analyst: **BCN**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	4/3/2014 10:47:33 PM	12505
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/3/2014 10:47:33 PM	12505
Surr: DNOP	86.1	62.7-145		%REC	1	4/3/2014 10:47:33 PM	12505
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	4/4/2014 1:31:16 PM	R17799
Surr: BFB	96.0	80.4-118		%REC	1	4/4/2014 1:31:16 PM	R17799
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	4/4/2014 1:31:16 PM	R17799
Toluene	ND	1.0		µg/L	1	4/4/2014 1:31:16 PM	R17799
Ethylbenzene	ND	1.0		µg/L	1	4/4/2014 1:31:16 PM	R17799
Xylenes, Total	ND	2.0		µg/L	1	4/4/2014 1:31:16 PM	R17799
Surr: 4-Bromofluorobenzene	95.9	82.9-139		%REC	1	4/4/2014 1:31:16 PM	R17799
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Chloride	9.2	5.0		mg/L	10	4/3/2014 2:44:40 AM	R17766
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	612	40.0	*	mg/L	1	4/7/2014 1:41:00 PM	12548

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-2
Project: BMG Llaves Landfarm/Evaporation Pon
Collection Date: 3/31/2014 4:50:00 PM
Lab ID: 1404094-002
Matrix: AQUEOUS
Received Date: 4/2/2014 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE						Analyst: **BCN**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	4/3/2014 11:09:41 PM	12505
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/3/2014 11:09:41 PM	12505
Surr: DNOP	92.2	62.7-145		%REC	1	4/3/2014 11:09:41 PM	12505
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	4/4/2014 1:22:35 AM	R17778
Surr: BFB	96.5	80.4-118		%REC	1	4/4/2014 1:22:35 AM	R17778
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	4/4/2014 1:22:35 AM	R17778
Toluene	ND	1.0		µg/L	1	4/4/2014 1:22:35 AM	R17778
Ethylbenzene	ND	1.0		µg/L	1	4/4/2014 1:22:35 AM	R17778
Xylenes, Total	ND	2.0		µg/L	1	4/4/2014 1:22:35 AM	R17778
Surr: 4-Bromofluorobenzene	94.3	82.9-139		%REC	1	4/4/2014 1:22:35 AM	R17778
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Chloride	30	5.0		mg/L	10	4/3/2014 3:09:29 AM	R17766
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	630	200	*	mg/L	1	4/7/2014 1:41:00 PM	12548

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
E	Value above quantitation range
J	Analyte detected below quantitation limits
O	RSD is greater than RSDlimit
R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2.
RL	Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-3
Project: BMG Llaves Landfarm/Evaporation Pon
Collection Date: 3/31/2014 12:59:00 PM
Lab ID: 1404094-003
Matrix: AQUEOUS
Received Date: 4/2/2014 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE						Analyst: **BCN**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	4/3/2014 11:31:33 PM	12505
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/3/2014 11:31:33 PM	12505
Surr: DNOP	96.9	62.7-145		%REC	1	4/3/2014 11:31:33 PM	12505
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	4/4/2014 1:52:43 AM	R17778
Surr: BFB	100	80.4-118		%REC	1	4/4/2014 1:52:43 AM	R17778
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	4/4/2014 1:52:43 AM	R17778
Toluene	ND	1.0		µg/L	1	4/4/2014 1:52:43 AM	R17778
Ethylbenzene	ND	1.0		µg/L	1	4/4/2014 1:52:43 AM	R17778
Xylenes, Total	ND	2.0		µg/L	1	4/4/2014 1:52:43 AM	R17778
Surr: 4-Bromofluorobenzene	101	82.9-139		%REC	1	4/4/2014 1:52:43 AM	R17778
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Chloride	18	5.0		mg/L	10	4/3/2014 3:34:18 AM	R17766
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	544	40.0	*	mg/L	1	4/7/2014 1:41:00 PM	12548

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-4
Project: BMG Llaves Landfarm/Evaporation Pon
Collection Date: 3/31/2014 5:02:00 PM
Lab ID: 1404094-004
Matrix: AQUEOUS
Received Date: 4/2/2014 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE						Analyst: **BCN**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	4/4/2014 12:15:21 AM	12505
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/4/2014 12:15:21 AM	12505
Surr: DNOP	99.5	62.7-145		%REC	1	4/4/2014 12:15:21 AM	12505
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	4/4/2014 2:22:53 AM	R17778
Surr: BFB	91.7	80.4-118		%REC	1	4/4/2014 2:22:53 AM	R17778
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	4/4/2014 2:22:53 AM	R17778
Toluene	ND	1.0		µg/L	1	4/4/2014 2:22:53 AM	R17778
Ethylbenzene	ND	1.0		µg/L	1	4/4/2014 2:22:53 AM	R17778
Xylenes, Total	ND	2.0		µg/L	1	4/4/2014 2:22:53 AM	R17778
Surr: 4-Bromofluorobenzene	88.8	82.9-139		%REC	1	4/4/2014 2:22:53 AM	R17778
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Chloride	12	5.0		mg/L	10	4/3/2014 3:59:07 AM	R17766
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	600	40.0	*	mg/L	1	4/7/2014 1:41:00 PM	12548

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Interstital Well
Project: BMG Llaves Landfarm/Evaporation Pon
Collection Date: 3/31/2014 3:51:00 PM
Lab ID: 1404094-005
Matrix: AQUEOUS
Received Date: 4/2/2014 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE						Analyst: **BCN**	
Diesel Range Organics (DRO)	3.1	1.0		mg/L	1	4/4/2014 12:37:18 AM	12505
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/4/2014 12:37:18 AM	12505
Surr: DNOP	79.1	62.7-145		%REC	1	4/4/2014 12:37:18 AM	12505
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	4/4/2014 2:52:52 AM	R17778
Surr: BFB	97.2	80.4-118		%REC	1	4/4/2014 2:52:52 AM	R17778
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	4/4/2014 2:52:52 AM	R17778
Toluene	ND	1.0		µg/L	1	4/4/2014 2:52:52 AM	R17778
Ethylbenzene	ND	1.0		µg/L	1	4/4/2014 2:52:52 AM	R17778
Xylenes, Total	ND	2.0		µg/L	1	4/4/2014 2:52:52 AM	R17778
Surr: 4-Bromofluorobenzene	99.4	82.9-139		%REC	1	4/4/2014 2:52:52 AM	R17778
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Chloride	69000	5000	*	mg/L	1E	4/7/2014 6:29:27 PM	R17847
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	146000	1000	*	mg/L	1	4/7/2014 1:41:00 PM	12548

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-#1
Project: BMG Llaves Landfarm/Evaporation Pon
Collection Date: 3/31/2014 10:02:00 AM
Lab ID: 1404094-006
Matrix: MEOH (SOIL)
Received Date: 4/2/2014 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/4/2014 11:05:25 AM	12506
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/4/2014 11:05:25 AM	12506
Surr: DNOP	91.1	66-131		%REC	1	4/4/2014 11:05:25 AM	12506
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	4/2/2014 10:11:36 PM	R17762
Surr: BFB	88.7	74.5-129		%REC	1	4/2/2014 10:11:36 PM	R17762
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.036		mg/Kg	1	4/2/2014 10:11:36 PM	R17762
Toluene	ND	0.036		mg/Kg	1	4/2/2014 10:11:36 PM	R17762
Ethylbenzene	ND	0.036		mg/Kg	1	4/2/2014 10:11:36 PM	R17762
Xylenes, Total	ND	0.071		mg/Kg	1	4/2/2014 10:11:36 PM	R17762
Surr: 4-Bromofluorobenzene	107	80-120		%REC	1	4/2/2014 10:11:36 PM	R17762
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Chloride	ND	30		mg/Kg	20	4/4/2014 1:00:38 PM	12547
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	21	20		mg/Kg	1	4/15/2014	12673

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-#2
Project: BMG Llaves Landfarm/Evaporation Pon
Collection Date: 3/31/2014 10:35:00 AM
Lab ID: 1404094-007
Matrix: MEOH (SOIL)
Received Date: 4/2/2014 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/4/2014 12:36:40 PM	12506
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/4/2014 12:36:40 PM	12506
Surr: DNOP	87.0	66-131		%REC	1	4/4/2014 12:36:40 PM	12506
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	2.8		mg/Kg	1	4/2/2014 10:40:11 PM	R17762
Surr: BFB	87.5	74.5-129		%REC	1	4/2/2014 10:40:11 PM	R17762
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.028		mg/Kg	1	4/2/2014 10:40:11 PM	R17762
Toluene	ND	0.028		mg/Kg	1	4/2/2014 10:40:11 PM	R17762
Ethylbenzene	ND	0.028		mg/Kg	1	4/2/2014 10:40:11 PM	R17762
Xylenes, Total	ND	0.056		mg/Kg	1	4/2/2014 10:40:11 PM	R17762
Surr: 4-Bromofluorobenzene	104	80-120		%REC	1	4/2/2014 10:40:11 PM	R17762
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Chloride	ND	30		mg/Kg	20	4/4/2014 1:13:02 PM	12547
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	4/15/2014	12673

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-#3
Project: BMG Llaves Landfarm/Evaporation Pon
Collection Date: 3/31/2014 11:20:00 AM
Lab ID: 1404094-008
Matrix: MEOH (SOIL)
Received Date: 4/2/2014 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**	
Diesel Range Organics (DRO)	11	9.9		mg/Kg	1	4/4/2014 1:07:09 PM	12506
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/4/2014 1:07:09 PM	12506
Surr: DNOP	88.1	66-131		%REC	1	4/4/2014 1:07:09 PM	12506
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	2.5		mg/Kg	1	4/2/2014 11:08:44 PM	R17762
Surr: BFB	87.3	74.5-129		%REC	1	4/2/2014 11:08:44 PM	R17762
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	4/2/2014 11:08:44 PM	R17762
Toluene	ND	0.025		mg/Kg	1	4/2/2014 11:08:44 PM	R17762
Ethylbenzene	ND	0.025		mg/Kg	1	4/2/2014 11:08:44 PM	R17762
Xylenes, Total	ND	0.049		mg/Kg	1	4/2/2014 11:08:44 PM	R17762
Surr: 4-Bromofluorobenzene	103	80-120		%REC	1	4/2/2014 11:08:44 PM	R17762
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Chloride	ND	30		mg/Kg	20	4/4/2014 4:19:14 PM	12547
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	4/15/2014	12673

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-#4
Project: BMG Llaves Landfarm/Evaporation Pon
Collection Date: 3/31/2014 12:00:00 PM
Lab ID: 1404094-009
Matrix: MEOH (SOIL)
Received Date: 4/2/2014 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/4/2014 1:37:28 PM	12506
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/4/2014 1:37:28 PM	12506
Surr: DNOP	100	66-131		%REC	1	4/4/2014 1:37:28 PM	12506
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	4/2/2014 11:37:16 PM	R17762
Surr: BFB	87.6	74.5-129		%REC	1	4/2/2014 11:37:16 PM	R17762
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.034		mg/Kg	1	4/2/2014 11:37:16 PM	R17762
Toluene	ND	0.034		mg/Kg	1	4/2/2014 11:37:16 PM	R17762
Ethylbenzene	ND	0.034		mg/Kg	1	4/2/2014 11:37:16 PM	R17762
Xylenes, Total	ND	0.068		mg/Kg	1	4/2/2014 11:37:16 PM	R17762
Surr: 4-Bromofluorobenzene	103	80-120		%REC	1	4/2/2014 11:37:16 PM	R17762
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Chloride	ND	30		mg/Kg	20	4/4/2014 2:27:31 PM	12547
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	4/15/2014	12673

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Treatment Zone
Project: BMG Llaves Landfarm/Evaporation Pon
Collection Date: 3/31/2014 11:08:00 AM
Lab ID: 1404094-010
Matrix: MEOH (SOIL)
Received Date: 4/2/2014 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst:	**BCN**
Diesel Range Organics (DRO)	470	99		mg/Kg	10	4/4/2014 2:07:52 PM	12506
Motor Oil Range Organics (MRO)	1000	500		mg/Kg	10	4/4/2014 2:07:52 PM	12506
Surr: DNOP	0	66-131	S	%REC	10	4/4/2014 2:07:52 PM	12506
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	2.7		mg/Kg	1	4/3/2014 12:05:47 AM	R17762
Surr: BFB	87.1	74.5-129		%REC	1	4/3/2014 12:05:47 AM	R17762
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.027		mg/Kg	1	4/3/2014 12:05:47 AM	R17762
Toluene	ND	0.027		mg/Kg	1	4/3/2014 12:05:47 AM	R17762
Ethylbenzene	ND	0.027		mg/Kg	1	4/3/2014 12:05:47 AM	R17762
Xylenes, Total	ND	0.055		mg/Kg	1	4/3/2014 12:05:47 AM	R17762
Surr: 4-Bromofluorobenzene	102	80-120		%REC	1	4/3/2014 12:05:47 AM	R17762
EPA METHOD 300.0: ANIONS						Analyst:	**JRR**
Chloride	ND	30		mg/Kg	20	4/4/2014 2:39:57 PM	12547

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Trip Blank
Project: BMG Llaves Landfarm/Evaporation Pon
Collection Date:
Lab ID: 1404094-011
Matrix: TRIP BLANK
Received Date: 4/2/2014 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	4/4/2014 2:01:38 PM	R17799
Toluene	ND	1.0		µg/L	1	4/4/2014 2:01:38 PM	R17799
Ethylbenzene	ND	1.0		µg/L	1	4/4/2014 2:01:38 PM	R17799
Xylenes, Total	ND	2.0		µg/L	1	4/4/2014 2:01:38 PM	R17799
Surr: 4-Bromofluorobenzene	102	82.9-139		%REC	1	4/4/2014 2:01:38 PM	R17799

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1404094**

16-Apr-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm/Evaporation Pond

Sample ID	**MB-12547**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**12547**	RunNo:	**17824**					
Prep Date:	**4/4/2014**	Analysis Date:	**4/4/2014**	SeqNo:	**513769**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-12547**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**12547**	RunNo:	**17824**					
Prep Date:	**4/4/2014**	Analysis Date:	**4/4/2014**	SeqNo:	**513770**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.5	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1404094**

16-Apr-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm/Evaporation Pond

Sample ID	**MB**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R17766**	RunNo:	**17766**					
Prep Date:		Analysis Date:	**4/3/2014**	SeqNo:	**511873**	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:	**R17766**	RunNo:	**17766**					
Prep Date:		Analysis Date:	**4/3/2014**	SeqNo:	**511874**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.6	0.50	5.000	0	91.4	90	110			

Sample ID	**MB**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R17847**	RunNo:	**17847**					
Prep Date:		Analysis Date:	**4/7/2014**	SeqNo:	**514596**	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:	**R17847**	RunNo:	**17847**					
Prep Date:		Analysis Date:	**4/7/2014**	SeqNo:	**514597**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.6	0.50	5.000	0	92.2	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1404094**

16-Apr-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm/Evaporation Pond

Sample ID	**MB-12673**	SampType:	**MBLK**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**PBS**	Batch ID:	**12673**	RunNo:	**17999**					
Prep Date:	**4/11/2014**	Analysis Date:	**4/15/2014**	SeqNo:	**519327**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	**LCS-12673**	SampType:	**LCS**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS**	Batch ID:	**12673**	RunNo:	**17999**					
Prep Date:	**4/11/2014**	Analysis Date:	**4/15/2014**	SeqNo:	**519328**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	96	20	100.0	0	96.4	80	120			

Sample ID	**LCSD-12673**	SampType:	**LCSD**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS02**	Batch ID:	**12673**	RunNo:	**17999**					
Prep Date:	**4/11/2014**	Analysis Date:	**4/15/2014**	SeqNo:	**519329**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	98	20	100.0	0	97.8	80	120	1.42	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1404094**

16-Apr-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm/Evaporation Pond

Sample ID **LCS-12506**	SampType: **LCS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **12506**	RunNo: **17793**
Prep Date: **4/2/2014**	Analysis Date: **4/4/2014**	SeqNo: **512922** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	100	60.8	145			
Surr: DNOP	4.0		5.000		79.9	66	131			

Sample ID **MB-12506**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **12506**	RunNo: **17797**
Prep Date: **4/2/2014**	Analysis Date: **4/4/2014**	SeqNo: **513040** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		121	66	131			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1404094**

16-Apr-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm/Evaporation Pond

Sample ID **MB-12505**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Diesel Range**
Client ID: **PBW**	Batch ID: **12505**	RunNo: **17768**
Prep Date: **4/2/2014**	Analysis Date: **4/3/2014**	SeqNo: **512774** 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	0.93		1.000		92.8	62.7	145			

Sample ID **LCS-12505**	SampType: **LCS**	TestCode: **EPA Method 8015D: Diesel Range**
Client ID: **LCSW**	Batch ID: **12505**	RunNo: **17768**
Prep Date: **4/2/2014**	Analysis Date: **4/3/2014**	SeqNo: **512775** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	4.8	1.0	5.000	0	95.1	78.6	146			
Surr: DNOP	0.45		0.5000		90.2	62.7	145			

Sample ID **LCSD-12505**	SampType: **LCSD**	TestCode: **EPA Method 8015D: Diesel Range**
Client ID: **LCSS02**	Batch ID: **12505**	RunNo: **17768**
Prep Date: **4/2/2014**	Analysis Date: **4/3/2014**	SeqNo: **512776** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	4.5	1.0	5.000	0	89.8	78.6	146	5.69	26.5	
Surr: DNOP	0.42		0.5000		84.0	62.7	145	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1404094**

16-Apr-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm/Evaporation Pond

Sample ID **MB-12480 MK**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **R17762**	RunNo: **17762**
Prep Date:	Analysis Date: **4/2/2014**	SeqNo: **511673** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	870		1000		86.6	74.5	129			

Sample ID **LCS-12480 MK**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **R17762**	RunNo: **17762**
Prep Date:	Analysis Date: **4/2/2014**	SeqNo: **511674** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	94.5	71.7	134			
Surr: BFB	940		1000		93.7	74.5	129			

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **R17778**	RunNo: **17778**
Prep Date:	Analysis Date: **4/3/2014**	SeqNo: **512562** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	910		1000		91.5	74.5	129			

Sample ID **2.5UG GRO LCS**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **R17778**	RunNo: **17778**
Prep Date:	Analysis Date: **4/3/2014**	SeqNo: **512563** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	106	71.7	134			
Surr: BFB	1100		1000		108	74.5	129			

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **R17799**	RunNo: **17799**
Prep Date:	Analysis Date: **4/4/2014**	SeqNo: **513541** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		99.2	74.5	129			

Sample ID **2.5UG GRO LCS**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **R17799**	RunNo: **17799**
Prep Date:	Analysis Date: **4/4/2014**	SeqNo: **513542** Units: **mg/Kg**

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1404094**
16-Apr-14

Client: Animas Environmental Services
Project: BMG Llaves Landfarm/Evaporation Pond

Sample ID	**2.5UG GRO LCS**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**
Client ID:	**LCSS**	Batch ID:	**R17799**	RunNo:	**17799**
Prep Date:		Analysis Date:	**4/4/2014**	SeqNo:	**513542** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	71.7	134			
Surr: BFB	1100		1000		109	74.5	129			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1404094**

16-Apr-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm/Evaporation Pond

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBW**	Batch ID: **R17778**	RunNo: **17778**
Prep Date:	Analysis Date: **4/3/2014**	SeqNo: **512573** 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	18		20.00		91.5	80.4	118			

Sample ID **2.5UG GRO LCS**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSW**	Batch ID: **R17778**	RunNo: **17778**
Prep Date:	Analysis Date: **4/3/2014**	SeqNo: **512574** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.53	0.050	0.5000	0	106	80	120			
Surr: BFB	22		20.00		108	80.4	118			

Sample ID **1404094-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **MW-1**	Batch ID: **R17778**	RunNo: **17778**
Prep Date:	Analysis Date: **4/3/2014**	SeqNo: **512576** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.53	0.050	0.5000	0	106	79	121			
Surr: BFB	21		20.00		104	80.4	118			

Sample ID **1404094-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **MW-1**	Batch ID: **R17778**	RunNo: **17778**
Prep Date:	Analysis Date: **4/3/2014**	SeqNo: **512577** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.54	0.050	0.5000	0	107	79	121	0.824	20	
Surr: BFB	18		20.00		90.6	80.4	118	0	0	

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBW**	Batch ID: **R17799**	RunNo: **17799**
Prep Date:	Analysis Date: **4/4/2014**	SeqNo: **513545** 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	20		20.00		99.2	80.4	118			

Sample ID **2.5UG GRO LCS**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSW**	Batch ID: **R17799**	RunNo: **17799**
Prep Date:	Analysis Date: **4/4/2014**	SeqNo: **513546** Units: **mg/L**

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1404094**

16-Apr-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm/Evaporation Pond

Sample ID **2.5UG GRO LCS**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSW**	Batch ID: **R17799**	RunNo: **17799**
Prep Date:	Analysis Date: **4/4/2014**	SeqNo: **513546** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.52	0.050	0.5000	0	103	80	120			
Surr: BFB	22		20.00		109	80.4	118			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1404094**

16-Apr-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm/Evaporation Pond

Sample ID	**MB-12480 MK**	SampType:	**MBLK**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**PBS**	Batch ID:	**R17762**	RunNo:	**17762**					
Prep Date:		Analysis Date:	**4/2/2014**	SeqNo:	**511712**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Sample ID	**LCS-12480 MK**	SampType:	**LCS**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**LCSS**	Batch ID:	**R17762**	RunNo:	**17762**					
Prep Date:		Analysis Date:	**4/2/2014**	SeqNo:	**511714**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	1.000	0	110	80	120			
Toluene	1.0	0.050	1.000	0	102	80	120			
Ethylbenzene	1.0	0.050	1.000	0	100	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			

Sample ID	**5ML RB**	SampType:	**MBLK**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**PBS**	Batch ID:	**R17778**	RunNo:	**17778**					
Prep Date:		Analysis Date:	**4/3/2014**	SeqNo:	**512588**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.85		1.000		85.2	80	120			

Sample ID	**100NG BTEX LCS**	SampType:	**LCS**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**LCSS**	Batch ID:	**R17778**	RunNo:	**17778**					
Prep Date:		Analysis Date:	**4/3/2014**	SeqNo:	**512589**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.050	1.000	0	91.7	80	120			
Toluene	0.91	0.050	1.000	0	90.8	80	120			
Ethylbenzene	0.89	0.050	1.000	0	88.7	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.7	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1404094**

16-Apr-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm/Evaporation Pond

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **R17799**	RunNo: **17799**
Prep Date:	Analysis Date: **4/4/2014**	SeqNo: **513564** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.98		1.000		98.1	80	120			

Sample ID **100NG BTEX LCS**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **R17799**	RunNo: **17799**
Prep Date:	Analysis Date: **4/4/2014**	SeqNo: **513565** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.050	1.000	0	97.3	80	120			
Toluene	0.97	0.050	1.000	0	97.0	80	120			
Ethylbenzene	0.94	0.050	1.000	0	93.5	80	120			
Xylenes, Total	2.9	0.10	3.000	0	98.1	80	120			
Surr: 4-Bromofluorobenzene	0.71		1.000		71.0	80	120			S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1404094**

16-Apr-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm/Evaporation Pond

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBW**	Batch ID: **R17778**	RunNo: **17778**
Prep Date:	Analysis Date: **4/3/2014**	SeqNo: **512594** 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	17		20.00		85.2	82.9	139			

Sample ID **100NG BTEX LCS**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSW**	Batch ID: **R17778**	RunNo: **17778**
Prep Date:	Analysis Date: **4/3/2014**	SeqNo: **512595** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	91.7	80	120			
Toluene	18	1.0	20.00	0	90.8	80	120			
Ethylbenzene	18	1.0	20.00	0	88.7	80	120			
Xylenes, Total	56	2.0	60.00	0	93.7	80	120			
Surr: 4-Bromofluorobenzene	21		20.00		107	82.9	139			

Sample ID **1404094-002AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **MW-2**	Batch ID: **R17778**	RunNo: **17778**
Prep Date:	Analysis Date: **4/3/2014**	SeqNo: **512598** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	98.6	71	129			
Toluene	19	1.0	20.00	0	97.3	68.4	135			
Ethylbenzene	19	1.0	20.00	0	95.0	69.4	135			
Xylenes, Total	59	2.0	60.00	0	98.5	72.4	135			
Surr: 4-Bromofluorobenzene	20		20.00		98.6	82.9	139			

Sample ID **1404094-002AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **MW-2**	Batch ID: **R17778**	RunNo: **17778**
Prep Date:	Analysis Date: **4/3/2014**	SeqNo: **512599** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	98.6	71	129	0.0507	20	
Toluene	20	1.0	20.00	0	98.0	68.4	135	0.676	20	
Ethylbenzene	19	1.0	20.00	0	95.3	69.4	135	0.357	20	
Xylenes, Total	59	2.0	60.00	0	97.8	72.4	135	0.764	20	
Surr: 4-Bromofluorobenzene	22		20.00		109	82.9	139	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1404094**

16-Apr-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm/Evaporation Pond

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBW**	Batch ID: **R17799**	RunNo: **17799**
Prep Date:	Analysis Date: **4/4/2014**	SeqNo: **513570** 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	20		20.00		98.1	82.9	139			

Sample ID **100NG BTEX LCS**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSW**	Batch ID: **R17799**	RunNo: **17799**
Prep Date:	Analysis Date: **4/4/2014**	SeqNo: **513571** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	97.3	80	120			
Toluene	19	1.0	20.00	0	97.0	80	120			
Ethylbenzene	19	1.0	20.00	0	93.5	80	120			
Xylenes, Total	59	2.0	60.00	0	98.1	80	120			
Surr: 4-Bromofluorobenzene	14		20.00		71.0	82.9	139			S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1404094**

16-Apr-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm/Evaporation Pond

Sample ID **MB-12548**	SampType: **MBLK**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **PBW**	Batch ID: **12548**	RunNo: **17831**
Prep Date: **4/4/2014**	Analysis Date: **4/7/2014**	SeqNo: **514051** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID **LCS-12548**	SampType: **LCS**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **LCSW**	Batch ID: **12548**	RunNo: **17831**
Prep Date: **4/4/2014**	Analysis Date: **4/7/2014**	SeqNo: **514052** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1020	20.0	1000	0	102	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1404094 RcptNo: 1

Received by/date: 04/02/14

Logged By: **Lindsay Mangin** 4/2/2014 9:45:00 AM

Completed By: **Lindsay Mangin** 4/2/2014 10:51:16 AM

Reviewed By: CS 04/02/14

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	~~Yes ☑~~	No ☑	No VOA Vials ☐
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

-011- ALL 3 VOA'S HAVE HEADSPACE 04/02

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.4	Good	Yes			

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Client: Animas Environmental Services	X Standard ☐ Rush
	Project Name: BMG Llaves Landfarm/ Evaporation Pond
Mailing Address: 624 E Comanche Farmington NM 87401	Project #: AES 040605
Phone #: 505-564-2281	Project Manager: D. Watson
email or Fax#: 505-324-2022	Sampler: C. Lamemen / S. Glasses
QA/QC Package: X Standard ☐ Level 4 (Full Validation)	On Ice: X Yes ☐ No
Accreditation: ☐ NELAP ☐ Other	Sample Temperature: 4
☐ EDD (Type)	

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1404094	BTEX 8021	TPH (GRO/DRO/MRO) 8015	Chlorides 300.0	TDS SM2540C	Metals (6010/6020/7471)	Cations/Anions	Cyanide SM4500-Cn-C	Air Bubbles (Y or N)
3-31-14	1509	H_2O	MW-1	6-40mL glass 1-500mL plastic	5 - HCl / 2 - Non	-001	X	X	X	X				
	1650	H_2O	MW-2	6-40mL glass 1-500mL plastic	5 - HCl / 2 - Non	-002	X	X	X	X				
	1259	H_2O	MW-3	6-40mL glass 1-500mL plastic	5 - HCl / 2 - Non	-003	X	X	X	X				
	1702	H_2O	MW-4	6-40mL glass 1-500mL plastic	5 - HCl / 2 - Non	-004	X	X	X	X				
	1551	H_2O	Interstitial Well	6-40mL glass 1-500mL plastic	5 - HCl / 2 - Non	-005	X	X	X	X				
	1002	Soil	VZ - #1	1-MeOH Kit 2-4 oz glass	1 - MeOH 2 - Non	-006	X	X	X					
	1035	Soil	VZ - #2	1-MeOH Kit 2-4 oz glass	1 - MeOH 2 - Non	-007	X	X	X					
	1120	Soil	VZ - #3	1-MeOH Kit 2-4 oz glass	1 - MeOH 2 - Non	-008	X	X	X					
	1200	Soil	VZ - #4	1-MeOH Kit 2-4 oz glass	1 - MeOH 2 - Non	-009	X	X	X					
	1108	Soil	Treatment Zone	1-MeOH Kit 2-4 oz glass	1 - MeOH 2 - Non	-010	X	X	X					
		H_2O	Trip Blank	2-40mL glass	2 - HCl	-011	X							

Date	Time	Relinquished by:	Received by:	Date	Time
4-1-14	1710		Martin Walker	4/1/14	1710
4/1/14	1749	Martin Walker			
			Received by:	Date	Time
				04/02/14	0715

Remarks: Interstitial Well could not be sampled w/o bubbles. When shaken, bubbles formed.

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

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

May 15, 2014

Debbie Watson

Animas Environmental Services
624 East Comanche
Farmington, NM 87401
TEL: (505) 486-4071
FAX

RE: BMG Landfarm OrderNo.: 1405392

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 3 sample(s) on 5/9/2014 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 qualifers 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 #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1405392**
Date Reported: **5/15/2014**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: TZ-Cell #1
Project: BMG Landfarm
Collection Date: 5/6/2014 11:55:00 AM
Lab ID: 1405392-001
Matrix: SOIL
Received Date: 5/9/2014 10:12:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Chloride	120	30		mg/Kg	20	5/13/2014 2:39:39 PM	13142
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	26	20		mg/Kg	1	5/13/2014 12:00:00 PM	13084

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: TZ-Cell #2
Project: BMG Landfarm
Collection Date: 5/6/2014 12:30:00 PM
Lab ID: 1405392-002 **Matrix:** SOIL **Received Date:** 5/9/2014 10:12:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Chloride	50	30		mg/Kg	20	5/13/2014 2:52:03 PM	13142
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	780	20		mg/Kg	1	5/13/2014 12:00:00 PM	13084

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: TZ-Cell #3
Project: BMG Landfarm
Collection Date: 5/6/2014 1:00:00 PM
Lab ID: 1405392-003
Matrix: SOIL
Received Date: 5/9/2014 10:12:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Chloride	ND	30		mg/Kg	20	5/13/2014 3:04:27 PM	13142
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	2300	200		mg/Kg	10	5/13/2014 12:00:00 PM	13084

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1405392**

15-May-14

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-13142**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**13142**	RunNo:	**18590**					
Prep Date:	**5/13/2014**	Analysis Date:	**5/13/2014**	SeqNo:	**536900**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-13142**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**13142**	RunNo:	**18590**					
Prep Date:	**5/13/2014**	Analysis Date:	**5/13/2014**	SeqNo:	**536901**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.1	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1405392**

15-May-14

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-13084**	SampType:	**MBLK**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**PBS**	Batch ID:	**13084**	RunNo:	**18548**					
Prep Date:	**5/9/2014**	Analysis Date:	**5/13/2014**	SeqNo:	**535923**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	**LCS-13084**	SampType:	**LCS**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS**	Batch ID:	**13084**	RunNo:	**18548**					
Prep Date:	**5/9/2014**	Analysis Date:	**5/13/2014**	SeqNo:	**535924**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	91	20	100.0	0	91.2	80	120			

Sample ID	**LCSD-13084**	SampType:	**LCSD**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS02**	Batch ID:	**13084**	RunNo:	**18548**					
Prep Date:	**5/9/2014**	Analysis Date:	**5/13/2014**	SeqNo:	**535925**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	96	20	100.0	0	95.5	80	120	4.58	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1405392** RcptNo: **1**

Received by/date: CS 05/09/14

Logged By: **Celina Sessa** **5/9/2014 10:12:00 AM**

Completed By: **Celina Sessa** **5/9/2014 10:54:39 AM**

Reviewed By: 05/09/14

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

Client: Animas Environmental Services LLC

Mailing Address: 624 E Comanche Farmington NM 87401

Phone #: 505 564 2281

email or Fax#:

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: BMG Landfarm

Project #:

Project Manager: D. Watson

Sampler: S. Lynn

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.0°

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1405392	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	300.0 chlorides				Air Bubbles (Y or N)
5-6-14	1155	Soil	TZ - Cell #1	2-4oz	—	-001				X								X				
5-6-14	1230	Soil	TZ - Cell #2	2-4oz	—	-002				X								X				
5-6-14	1300	Soil	TZ - Cell #3	2-4oz	—	-003				X								X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
5/8/14	1714	Stephenie Lynn	Christine Walters	5/8/14	1714
5/8/14	1738	Christine Walters	Ellen Sun	05/09/14	10:12

Remarks:

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

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

May 19, 2014

Debbie Watson

Animas Environmental Services
624 East Comanche
Farmington, NM 87401
TEL: (505) 486-4071
FAX

RE: BMG Llaves Landfarm OrderNo.: 1405430

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 16 sample(s) on 5/10/2014 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 qualifers 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 #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #1 S-1
Project: BMG Llaves Landfarm
Collection Date: 5/6/2014 1:50:00 PM
Lab ID: 1405430-001 **Matrix:** SOIL **Received Date:** 5/10/2014 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.046		mg/Kg	1	5/13/2014 4:50:16 PM	13118
Toluene	ND	0.046		mg/Kg	1	5/13/2014 4:50:16 PM	13118
Ethylbenzene	ND	0.046		mg/Kg	1	5/13/2014 4:50:16 PM	13118
Xylenes, Total	ND	0.092		mg/Kg	1	5/13/2014 4:50:16 PM	13118
Surr: 4-Bromofluorobenzene	107	80-120		%REC	1	5/13/2014 4:50:16 PM	13118
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Fluoride	0.77	0.30		mg/Kg	1	5/15/2014 12:25:53 PM	13165
Chloride	ND	1.5		mg/Kg	1	5/15/2014 12:25:53 PM	13165
Nitrogen, Nitrate (As N)	1.5	0.30		mg/Kg	1	5/15/2014 12:25:53 PM	13165
Sulfate	5.5	1.5		mg/Kg	1	5/15/2014 12:25:53 PM	13165
EPA METHOD 7471: MERCURY						Analyst: **JML**	
Mercury	ND	0.032		mg/Kg	1	5/14/2014 1:25:26 PM	13150
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	5.0		mg/Kg	2	5/15/2014 12:10:43 PM	13151
Barium	73	0.20		mg/Kg	2	5/15/2014 12:10:43 PM	13151
Cadmium	ND	0.20		mg/Kg	2	5/15/2014 12:10:43 PM	13151
Calcium	2200	50		mg/Kg	2	5/15/2014 12:10:43 PM	13151
Chromium	5.5	0.60		mg/Kg	2	5/15/2014 12:10:43 PM	13151
Copper	4.1	0.60		mg/Kg	2	5/15/2014 12:10:43 PM	13151
Iron	9100	50		mg/Kg	50	5/15/2014 11:23:37 AM	13151
Lead	2.9	0.50		mg/Kg	2	5/15/2014 12:10:43 PM	13151
Magnesium	1500	50		mg/Kg	2	5/15/2014 12:10:43 PM	13151
Manganese	260	0.20		mg/Kg	2	5/15/2014 12:10:43 PM	13151
Potassium	970	100		mg/Kg	2	5/15/2014 12:10:43 PM	13151
Selenium	ND	5.0		mg/Kg	2	5/15/2014 12:10:43 PM	13151
Silver	ND	0.50		mg/Kg	2	5/15/2014 12:10:43 PM	13151
Sodium	ND	50		mg/Kg	2	5/15/2014 12:10:43 PM	13151
Zinc	22	5.0		mg/Kg	2	5/15/2014 12:10:43 PM	13151
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	5/13/2014 12:00:00 PM	13115

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #1 S-2
Project: BMG Llaves Landfarm
Collection Date: 5/6/2014 2:20:00 PM
Lab ID: 1405430-002 **Matrix:** SOIL **Received Date:** 5/10/2014 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	5/13/2014 5:18:47 PM	13118
Toluene	ND	0.047		mg/Kg	1	5/13/2014 5:18:47 PM	13118
Ethylbenzene	ND	0.047		mg/Kg	1	5/13/2014 5:18:47 PM	13118
Xylenes, Total	ND	0.094		mg/Kg	1	5/13/2014 5:18:47 PM	13118
Surr: 4-Bromofluorobenzene	105	80-120		%REC	1	5/13/2014 5:18:47 PM	13118
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Fluoride	0.96	0.30		mg/Kg	1	5/15/2014 12:38:17 PM	13165
Chloride	98	30		mg/Kg	20	5/14/2014 12:23:55 PM	13165
Nitrogen, Nitrate (As N)	0.45	0.30		mg/Kg	1	5/15/2014 12:38:17 PM	13165
Sulfate	17	1.5		mg/Kg	1	5/15/2014 12:38:17 PM	13165
EPA METHOD 7471: MERCURY						Analyst: **JML**	
Mercury	ND	0.033		mg/Kg	1	5/14/2014 1:34:35 PM	13150
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	12		mg/Kg	5	5/15/2014 12:26:10 PM	13151
Barium	130	0.48		mg/Kg	5	5/15/2014 12:26:10 PM	13151
Cadmium	ND	0.48		mg/Kg	5	5/15/2014 12:26:10 PM	13151
Calcium	6800	120		mg/Kg	5	5/15/2014 12:26:10 PM	13151
Chromium	11	1.5		mg/Kg	5	5/15/2014 12:26:10 PM	13151
Copper	10	1.5		mg/Kg	5	5/15/2014 12:26:10 PM	13151
Iron	18000	97		mg/Kg	100	5/15/2014 11:29:55 AM	13151
Lead	5.4	1.2		mg/Kg	5	5/15/2014 12:26:10 PM	13151
Magnesium	3000	120		mg/Kg	5	5/15/2014 12:26:10 PM	13151
Manganese	430	0.48		mg/Kg	5	5/15/2014 12:26:10 PM	13151
Potassium	2200	240		mg/Kg	5	5/15/2014 12:26:10 PM	13151
Selenium	ND	12		mg/Kg	5	5/15/2014 12:26:10 PM	13151
Silver	ND	1.2		mg/Kg	5	5/15/2014 12:26:10 PM	13151
Sodium	ND	120		mg/Kg	5	5/15/2014 12:26:10 PM	13151
Zinc	48	12		mg/Kg	5	5/15/2014 12:26:10 PM	13151
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	5/13/2014 12:00:00 PM	13115

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #1 S-3
Project: BMG Llaves Landfarm
Collection Date: 5/6/2014 2:55:00 PM
Lab ID: 1405430-003 **Matrix:** SOIL **Received Date:** 5/10/2014 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	5/13/2014 5:47:27 PM	13118
Toluene	ND	0.048		mg/Kg	1	5/13/2014 5:47:27 PM	13118
Ethylbenzene	ND	0.048		mg/Kg	1	5/13/2014 5:47:27 PM	13118
Xylenes, Total	ND	0.096		mg/Kg	1	5/13/2014 5:47:27 PM	13118
Surr: 4-Bromofluorobenzene	100	80-120		%REC	1	5/13/2014 5:47:27 PM	13118
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Fluoride	1.7	0.30		mg/Kg	1	5/15/2014 12:50:42 PM	13165
Chloride	37	1.5		mg/Kg	1	5/15/2014 12:50:42 PM	13165
Nitrogen, Nitrate (As N)	0.35	0.30		mg/Kg	1	5/15/2014 12:50:42 PM	13165
Sulfate	15	1.5		mg/Kg	1	5/15/2014 12:50:42 PM	13165
EPA METHOD 7471: MERCURY						Analyst: **JML**	
Mercury	ND	0.034		mg/Kg	1	5/14/2014 1:36:26 PM	13150
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	12		mg/Kg	5	5/15/2014 12:27:34 PM	13151
Barium	150	0.50		mg/Kg	5	5/15/2014 12:27:34 PM	13151
Cadmium	ND	0.50		mg/Kg	5	5/15/2014 12:27:34 PM	13151
Calcium	5900	120		mg/Kg	5	5/15/2014 12:27:34 PM	13151
Chromium	14	1.5		mg/Kg	5	5/15/2014 12:27:34 PM	13151
Copper	12	1.5		mg/Kg	5	5/15/2014 12:27:34 PM	13151
Iron	20000	99		mg/Kg	100	5/15/2014 11:31:21 AM	13151
Lead	6.1	1.2		mg/Kg	5	5/15/2014 12:27:34 PM	13151
Magnesium	3200	120		mg/Kg	5	5/15/2014 12:27:34 PM	13151
Manganese	420	0.50		mg/Kg	5	5/15/2014 12:27:34 PM	13151
Potassium	2300	250		mg/Kg	5	5/15/2014 12:27:34 PM	13151
Selenium	ND	12		mg/Kg	5	5/15/2014 12:27:34 PM	13151
Silver	ND	1.2		mg/Kg	5	5/15/2014 12:27:34 PM	13151
Sodium	ND	120		mg/Kg	5	5/15/2014 12:27:34 PM	13151
Zinc	51	12		mg/Kg	5	5/15/2014 12:27:34 PM	13151
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	5/13/2014 12:00:00 PM	13115

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #1 S-4
Project: BMG Llaves Landfarm
Collection Date: 5/6/2014 3:30:00 PM
Lab ID: 1405430-004 **Matrix:** SOIL **Received Date:** 5/10/2014 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	5/13/2014 6:16:06 PM	13118
Toluene	ND	0.047		mg/Kg	1	5/13/2014 6:16:06 PM	13118
Ethylbenzene	ND	0.047		mg/Kg	1	5/13/2014 6:16:06 PM	13118
Xylenes, Total	ND	0.093		mg/Kg	1	5/13/2014 6:16:06 PM	13118
Surr: 4-Bromofluorobenzene	102	80-120		%REC	1	5/13/2014 6:16:06 PM	13118
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Fluoride	0.98	0.30		mg/Kg	1	5/15/2014 1:03:06 PM	13165
Chloride	280	30		mg/Kg	20	5/14/2014 1:13:35 PM	13165
Nitrogen, Nitrate (As N)	3.0	0.30		mg/Kg	1	5/15/2014 1:03:06 PM	13165
Sulfate	21	1.5		mg/Kg	1	5/15/2014 1:03:06 PM	13165
EPA METHOD 7471: MERCURY						Analyst: **JML**	
Mercury	ND	0.032		mg/Kg	1	5/14/2014 1:38:17 PM	13150
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	13		mg/Kg	5	5/15/2014 12:28:54 PM	13151
Barium	110	0.51		mg/Kg	5	5/15/2014 12:28:54 PM	13151
Cadmium	ND	0.51		mg/Kg	5	5/15/2014 12:28:54 PM	13151
Calcium	7900	130		mg/Kg	5	5/15/2014 12:28:54 PM	13151
Chromium	15	1.5		mg/Kg	5	5/15/2014 12:28:54 PM	13151
Copper	14	1.5		mg/Kg	5	5/15/2014 12:28:54 PM	13151
Iron	19000	100		mg/Kg	100	5/15/2014 11:32:41 AM	13151
Lead	5.1	1.3		mg/Kg	5	5/15/2014 12:28:54 PM	13151
Magnesium	3400	130		mg/Kg	5	5/15/2014 12:28:54 PM	13151
Manganese	350	0.51		mg/Kg	5	5/15/2014 12:28:54 PM	13151
Potassium	2400	250		mg/Kg	5	5/15/2014 12:28:54 PM	13151
Selenium	ND	13		mg/Kg	5	5/15/2014 12:28:54 PM	13151
Silver	ND	1.3		mg/Kg	5	5/15/2014 12:28:54 PM	13151
Sodium	220	130		mg/Kg	5	5/15/2014 12:28:54 PM	13151
Zinc	46	13		mg/Kg	5	5/15/2014 12:28:54 PM	13151
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	5/13/2014 12:00:00 PM	13115

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #2 S-1
Project: BMG Llaves Landfarm
Collection Date: 5/8/2014 10:15:00 AM
Lab ID: 1405430-005 **Matrix:** SOIL **Received Date:** 5/10/2014 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	5/13/2014 6:44:43 PM	13118
Toluene	ND	0.047		mg/Kg	1	5/13/2014 6:44:43 PM	13118
Ethylbenzene	ND	0.047		mg/Kg	1	5/13/2014 6:44:43 PM	13118
Xylenes, Total	ND	0.093		mg/Kg	1	5/13/2014 6:44:43 PM	13118
Surr: 4-Bromofluorobenzene	103	80-120		%REC	1	5/13/2014 6:44:43 PM	13118
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Fluoride	0.69	0.30		mg/Kg	1	5/15/2014 1:15:31 PM	13165
Chloride	6.2	1.5		mg/Kg	1	5/15/2014 1:15:31 PM	13165
Nitrogen, Nitrate (As N)	5.2	0.30		mg/Kg	1	5/15/2014 1:15:31 PM	13165
Sulfate	120	1.5		mg/Kg	1	5/15/2014 1:15:31 PM	13165
EPA METHOD 7471: MERCURY						Analyst: **JML**	
Mercury	ND	0.034		mg/Kg	1	5/14/2014 1:40:07 PM	13150
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	5.1		mg/Kg	2	5/15/2014 12:30:17 PM	13151
Barium	87	0.20		mg/Kg	2	5/15/2014 12:30:17 PM	13151
Cadmium	ND	0.20		mg/Kg	2	5/15/2014 12:30:17 PM	13151
Calcium	2300	51		mg/Kg	2	5/15/2014 12:30:17 PM	13151
Chromium	5.2	0.61		mg/Kg	2	5/15/2014 12:30:17 PM	13151
Copper	4.3	0.61		mg/Kg	2	5/15/2014 12:30:17 PM	13151
Iron	11000	51		mg/Kg	50	5/15/2014 11:34:05 AM	13151
Lead	3.0	0.51		mg/Kg	2	5/15/2014 12:30:17 PM	13151
Magnesium	1200	51		mg/Kg	2	5/15/2014 12:30:17 PM	13151
Manganese	250	0.20		mg/Kg	2	5/15/2014 12:30:17 PM	13151
Potassium	970	100		mg/Kg	2	5/15/2014 12:30:17 PM	13151
Selenium	ND	5.1		mg/Kg	2	5/15/2014 12:30:17 PM	13151
Silver	ND	0.51		mg/Kg	2	5/15/2014 12:30:17 PM	13151
Sodium	ND	51		mg/Kg	2	5/15/2014 12:30:17 PM	13151
Zinc	22	5.1		mg/Kg	2	5/15/2014 12:30:17 PM	13151
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	5/13/2014 12:00:00 PM	13115

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #2 S-2
Project: BMG Llaves Landfarm
Collection Date: 5/8/2014 10:40:00 AM
Lab ID: 1405430-006 **Matrix:** SOIL **Received Date:** 5/10/2014 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	5/13/2014 7:13:17 PM	13118
Toluene	ND	0.047		mg/Kg	1	5/13/2014 7:13:17 PM	13118
Ethylbenzene	ND	0.047		mg/Kg	1	5/13/2014 7:13:17 PM	13118
Xylenes, Total	ND	0.095		mg/Kg	1	5/13/2014 7:13:17 PM	13118
Surr: 4-Bromofluorobenzene	105	80-120		%REC	1	5/13/2014 7:13:17 PM	13118
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Fluoride	0.90	0.30		mg/Kg	1	5/15/2014 1:27:55 PM	13165
Chloride	9.5	1.5		mg/Kg	1	5/15/2014 1:27:55 PM	13165
Nitrogen, Nitrate (As N)	1.3	0.30		mg/Kg	1	5/15/2014 1:27:55 PM	13165
Sulfate	66	1.5		mg/Kg	1	5/15/2014 1:27:55 PM	13165
EPA METHOD 7471: MERCURY						Analyst: **JML**	
Mercury	ND	0.032		mg/Kg	1	5/14/2014 1:41:51 PM	13150
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	4.9		mg/Kg	2	5/15/2014 12:32:59 PM	13151
Barium	100	0.20		mg/Kg	2	5/15/2014 12:32:59 PM	13151
Cadmium	ND	0.20		mg/Kg	2	5/15/2014 12:32:59 PM	13151
Calcium	5400	49		mg/Kg	2	5/15/2014 12:32:59 PM	13151
Chromium	5.9	0.59		mg/Kg	2	5/15/2014 12:32:59 PM	13151
Copper	4.9	0.59		mg/Kg	2	5/15/2014 12:32:59 PM	13151
Iron	12000	49		mg/Kg	50	5/15/2014 11:35:27 AM	13151
Lead	3.2	0.49		mg/Kg	2	5/15/2014 12:32:59 PM	13151
Magnesium	1500	49		mg/Kg	2	5/15/2014 12:32:59 PM	13151
Manganese	250	0.20		mg/Kg	2	5/15/2014 12:32:59 PM	13151
Potassium	780	98		mg/Kg	2	5/15/2014 12:32:59 PM	13151
Selenium	ND	4.9		mg/Kg	2	5/15/2014 12:32:59 PM	13151
Silver	ND	0.49		mg/Kg	2	5/15/2014 12:32:59 PM	13151
Sodium	ND	49		mg/Kg	2	5/15/2014 12:32:59 PM	13151
Zinc	23	4.9		mg/Kg	2	5/15/2014 12:32:59 PM	13151
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	5/13/2014 12:00:00 PM	13115

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #2 S-3
Project: BMG Llaves Landfarm
Collection Date: 5/8/2014 11:10:00 AM
Lab ID: 1405430-007
Matrix: SOIL
Received Date: 5/10/2014 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	5/13/2014 10:33:21 PM	13118
Toluene	ND	0.048		mg/Kg	1	5/13/2014 10:33:21 PM	13118
Ethylbenzene	ND	0.048		mg/Kg	1	5/13/2014 10:33:21 PM	13118
Xylenes, Total	ND	0.096		mg/Kg	1	5/13/2014 10:33:21 PM	13118
Surr: 4-Bromofluorobenzene	100	80-120		%REC	1	5/13/2014 10:33:21 PM	13118
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Fluoride	1.6	1.5		mg/Kg	5	5/15/2014 1:40:19 PM	13165
Chloride	15	7.5		mg/Kg	5	5/15/2014 1:40:19 PM	13165
Nitrogen, Nitrate (As N)	ND	1.5		mg/Kg	5	5/15/2014 1:40:19 PM	13165
Sulfate	160	7.5		mg/Kg	5	5/15/2014 1:40:19 PM	13165
EPA METHOD 7471: MERCURY						Analyst: **JML**	
Mercury	ND	0.034		mg/Kg	1	5/14/2014 1:43:35 PM	13150
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	5.0		mg/Kg	2	5/15/2014 12:40:34 PM	13151
Barium	59	0.20		mg/Kg	2	5/15/2014 12:40:34 PM	13151
Cadmium	ND	0.20		mg/Kg	2	5/15/2014 12:40:34 PM	13151
Calcium	3200	50		mg/Kg	2	5/15/2014 12:40:34 PM	13151
Chromium	5.7	0.60		mg/Kg	2	5/15/2014 12:40:34 PM	13151
Copper	5.7	0.60		mg/Kg	2	5/15/2014 12:40:34 PM	13151
Iron	9800	50		mg/Kg	50	5/15/2014 11:36:50 AM	13151
Lead	3.4	0.50		mg/Kg	2	5/15/2014 12:40:34 PM	13151
Magnesium	1200	50		mg/Kg	2	5/15/2014 12:40:34 PM	13151
Manganese	140	0.20		mg/Kg	2	5/15/2014 12:40:34 PM	13151
Potassium	840	99		mg/Kg	2	5/15/2014 12:40:34 PM	13151
Selenium	ND	5.0		mg/Kg	2	5/15/2014 12:40:34 PM	13151
Silver	ND	0.50		mg/Kg	2	5/15/2014 12:40:34 PM	13151
Sodium	110	50		mg/Kg	2	5/15/2014 12:40:34 PM	13151
Zinc	21	5.0		mg/Kg	2	5/15/2014 12:40:34 PM	13151
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	870	20		mg/Kg	1	5/13/2014 12:00:00 PM	13115

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #2 S-4
Project: BMG Llaves Landfarm
Collection Date: 5/8/2014 12:20:00 PM
Lab ID: 1405430-008 **Matrix:** SOIL **Received Date:** 5/10/2014 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	5/13/2014 11:01:55 PM	13118
Toluene	ND	0.047		mg/Kg	1	5/13/2014 11:01:55 PM	13118
Ethylbenzene	ND	0.047		mg/Kg	1	5/13/2014 11:01:55 PM	13118
Xylenes, Total	ND	0.094		mg/Kg	1	5/13/2014 11:01:55 PM	13118
Surr: 4-Bromofluorobenzene	100	80-120		%REC	1	5/13/2014 11:01:55 PM	13118
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Fluoride	ND	1.5		mg/Kg	5	5/15/2014 2:17:32 PM	13165
Chloride	ND	7.5		mg/Kg	5	5/15/2014 2:17:32 PM	13165
Nitrogen, Nitrate (As N)	18	1.5		mg/Kg	5	5/15/2014 2:17:32 PM	13165
Sulfate	9.9	7.5		mg/Kg	5	5/15/2014 2:17:32 PM	13165
EPA METHOD 7471: MERCURY						Analyst: **JML**	
Mercury	ND	0.034		mg/Kg	1	5/14/2014 1:45:19 PM	13150
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	4.9		mg/Kg	2	5/14/2014 11:50:02 AM	13151
Barium	95	0.20		mg/Kg	2	5/14/2014 11:50:02 AM	13151
Cadmium	ND	0.20		mg/Kg	2	5/14/2014 11:50:02 AM	13151
Calcium	2400	49		mg/Kg	2	5/14/2014 11:50:02 AM	13151
Chromium	7.6	0.59		mg/Kg	2	5/14/2014 11:50:02 AM	13151
Copper	5.4	0.59		mg/Kg	2	5/14/2014 11:50:02 AM	13151
Iron	15000	98		mg/Kg	100	5/15/2014 11:38:13 AM	13151
Lead	3.5	0.49		mg/Kg	2	5/14/2014 11:50:02 AM	13151
Magnesium	1700	49		mg/Kg	2	5/14/2014 11:50:02 AM	13151
Manganese	290	0.20		mg/Kg	2	5/14/2014 11:50:02 AM	13151
Potassium	1100	98		mg/Kg	2	5/14/2014 11:50:02 AM	13151
Selenium	ND	4.9		mg/Kg	2	5/14/2014 11:50:02 AM	13151
Silver	ND	0.49		mg/Kg	2	5/14/2014 11:50:02 AM	13151
Sodium	ND	49		mg/Kg	2	5/14/2014 11:50:02 AM	13151
Zinc	28	4.9		mg/Kg	2	5/14/2014 11:50:02 AM	13151
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	5/13/2014 12:00:00 PM	13115

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #3 S-1
Project: BMG Llaves Landfarm
Collection Date: 5/8/2014 1:00:00 PM
Lab ID: 1405430-009 **Matrix:** SOIL **Received Date:** 5/10/2014 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	5/13/2014 11:30:34 PM	13118
Toluene	ND	0.047		mg/Kg	1	5/13/2014 11:30:34 PM	13118
Ethylbenzene	ND	0.047		mg/Kg	1	5/13/2014 11:30:34 PM	13118
Xylenes, Total	ND	0.093		mg/Kg	1	5/13/2014 11:30:34 PM	13118
Surr: 4-Bromofluorobenzene	99.3	80-120		%REC	1	5/13/2014 11:30:34 PM	13118
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Fluoride	0.38	0.30		mg/Kg	1	5/15/2014 2:29:57 PM	13165
Chloride	15	1.5		mg/Kg	1	5/15/2014 2:29:57 PM	13165
Nitrogen, Nitrate (As N)	0.59	0.30		mg/Kg	1	5/15/2014 2:29:57 PM	13165
Sulfate	65	1.5		mg/Kg	1	5/15/2014 2:29:57 PM	13165
EPA METHOD 7471: MERCURY						Analyst: **JML**	
Mercury	ND	0.035		mg/Kg	1	5/14/2014 1:47:04 PM	13150
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	4.9		mg/Kg	2	5/14/2014 11:53:01 AM	13151
Barium	76	0.20		mg/Kg	2	5/14/2014 11:53:01 AM	13151
Cadmium	ND	0.20		mg/Kg	2	5/14/2014 11:53:01 AM	13151
Calcium	1800	49		mg/Kg	2	5/14/2014 11:53:01 AM	13151
Chromium	5.4	0.59		mg/Kg	2	5/14/2014 11:53:01 AM	13151
Copper	4.1	0.59		mg/Kg	2	5/14/2014 11:53:01 AM	13151
Iron	11000	49		mg/Kg	50	5/15/2014 11:39:35 AM	13151
Lead	3.4	0.49		mg/Kg	2	5/14/2014 11:53:01 AM	13151
Magnesium	1300	49		mg/Kg	2	5/14/2014 11:53:01 AM	13151
Manganese	260	0.20		mg/Kg	2	5/14/2014 11:53:01 AM	13151
Potassium	800	98		mg/Kg	2	5/14/2014 11:53:01 AM	13151
Selenium	ND	4.9		mg/Kg	2	5/14/2014 11:53:01 AM	13151
Silver	ND	0.49		mg/Kg	2	5/14/2014 11:53:01 AM	13151
Sodium	50	49		mg/Kg	2	5/14/2014 11:53:01 AM	13151
Zinc	22	4.9		mg/Kg	2	5/14/2014 11:53:01 AM	13151
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	5/13/2014 12:00:00 PM	13115

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #3 S-2
Project: BMG Llaves Landfarm
Collection Date: 5/8/2014 1:50:00 PM
Lab ID: 1405430-010 **Matrix:** SOIL **Received Date:** 5/10/2014 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	5/13/2014 11:59:05 PM	13118
Toluene	ND	0.047		mg/Kg	1	5/13/2014 11:59:05 PM	13118
Ethylbenzene	ND	0.047		mg/Kg	1	5/13/2014 11:59:05 PM	13118
Xylenes, Total	ND	0.094		mg/Kg	1	5/13/2014 11:59:05 PM	13118
Surr: 4-Bromofluorobenzene	100	80-120		%REC	1	5/13/2014 11:59:05 PM	13118
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Fluoride	1.3	0.30		mg/Kg	1	5/15/2014 2:42:22 PM	13165
Chloride	20	1.5		mg/Kg	1	5/15/2014 2:42:22 PM	13165
Nitrogen, Nitrate (As N)	10	0.30		mg/Kg	1	5/15/2014 2:42:22 PM	13165
Sulfate	32	1.5		mg/Kg	1	5/15/2014 2:42:22 PM	13165
EPA METHOD 7471: MERCURY						Analyst: **JML**	
Mercury	ND	0.032		mg/Kg	1	5/14/2014 1:52:31 PM	13150
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	5.0		mg/Kg	2	5/14/2014 11:55:52 AM	13151
Barium	65	0.20		mg/Kg	2	5/14/2014 11:55:52 AM	13151
Cadmium	ND	0.20		mg/Kg	2	5/14/2014 11:55:52 AM	13151
Calcium	2100	50		mg/Kg	2	5/14/2014 11:55:52 AM	13151
Chromium	8.9	0.60		mg/Kg	2	5/14/2014 11:55:52 AM	13151
Copper	7.2	0.60		mg/Kg	2	5/14/2014 11:55:52 AM	13151
Iron	12000	50		mg/Kg	50	5/15/2014 11:40:57 AM	13151
Lead	3.3	0.50		mg/Kg	2	5/14/2014 11:55:52 AM	13151
Magnesium	1600	50		mg/Kg	2	5/14/2014 11:55:52 AM	13151
Manganese	200	0.20		mg/Kg	2	5/14/2014 11:55:52 AM	13151
Potassium	1400	100		mg/Kg	2	5/14/2014 11:55:52 AM	13151
Selenium	ND	5.0		mg/Kg	2	5/14/2014 11:55:52 AM	13151
Silver	ND	0.50		mg/Kg	2	5/14/2014 11:55:52 AM	13151
Sodium	ND	50		mg/Kg	2	5/14/2014 11:55:52 AM	13151
Zinc	26	5.0		mg/Kg	2	5/14/2014 11:55:52 AM	13151
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	5/13/2014 12:00:00 PM	13115

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #3 S-3
Project: BMG Llaves Landfarm
Collection Date: 5/8/2014 2:15:00 PM
Lab ID: 1405430-011 **Matrix:** SOIL **Received Date:** 5/10/2014 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	5/14/2014 12:27:36 AM	13118
Toluene	ND	0.048		mg/Kg	1	5/14/2014 12:27:36 AM	13118
Ethylbenzene	ND	0.048		mg/Kg	1	5/14/2014 12:27:36 AM	13118
Xylenes, Total	ND	0.096		mg/Kg	1	5/14/2014 12:27:36 AM	13118
Surr: 4-Bromofluorobenzene	102	80-120		%REC	1	5/14/2014 12:27:36 AM	13118
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Fluoride	1.5	0.30		mg/Kg	1	5/15/2014 2:54:46 PM	13165
Chloride	7.6	1.5		mg/Kg	1	5/15/2014 2:54:46 PM	13165
Nitrogen, Nitrate (As N)	9.3	0.30		mg/Kg	1	5/15/2014 2:54:46 PM	13165
Sulfate	130	1.5		mg/Kg	1	5/15/2014 2:54:46 PM	13165
EPA METHOD 7471: MERCURY						Analyst: **JML**	
Mercury	ND	0.033		mg/Kg	1	5/14/2014 1:54:16 PM	13150
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	12		mg/Kg	5	5/15/2014 12:43:19 PM	13151
Barium	160	0.49		mg/Kg	5	5/15/2014 12:43:19 PM	13151
Cadmium	ND	0.49		mg/Kg	5	5/15/2014 12:43:19 PM	13151
Calcium	5200	120		mg/Kg	5	5/15/2014 12:43:19 PM	13151
Chromium	18	1.5		mg/Kg	5	5/15/2014 12:43:19 PM	13151
Copper	13	1.5		mg/Kg	5	5/15/2014 12:43:19 PM	13151
Iron	23000	97		mg/Kg	100	5/15/2014 11:42:20 AM	13151
Lead	6.2	1.2		mg/Kg	5	5/15/2014 12:43:19 PM	13151
Magnesium	3100	120		mg/Kg	5	5/15/2014 12:43:19 PM	13151
Manganese	310	0.49		mg/Kg	5	5/15/2014 12:43:19 PM	13151
Potassium	2500	240		mg/Kg	5	5/15/2014 12:43:19 PM	13151
Selenium	ND	12		mg/Kg	5	5/15/2014 12:43:19 PM	13151
Silver	ND	1.2		mg/Kg	5	5/15/2014 12:43:19 PM	13151
Sodium	ND	120		mg/Kg	5	5/15/2014 12:43:19 PM	13151
Zinc	53	12		mg/Kg	5	5/15/2014 12:43:19 PM	13151
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	5/13/2014 12:00:00 PM	13115

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #3 S-4
Project: BMG Llaves Landfarm
Collection Date: 5/8/2014 2:45:00 PM
Lab ID: 1405430-012
Matrix: SOIL
Received Date: 5/10/2014 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	5/14/2014 12:56:08 AM	13118
Toluene	ND	0.048		mg/Kg	1	5/14/2014 12:56:08 AM	13118
Ethylbenzene	ND	0.048		mg/Kg	1	5/14/2014 12:56:08 AM	13118
Xylenes, Total	ND	0.095		mg/Kg	1	5/14/2014 12:56:08 AM	13118
Surr: 4-Bromofluorobenzene	98.2	80-120		%REC	1	5/14/2014 12:56:08 AM	13118
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Fluoride	ND	1.5		mg/Kg	5	5/15/2014 3:07:11 PM	13165
Chloride	ND	7.5		mg/Kg	5	5/15/2014 3:07:11 PM	13165
Nitrogen, Nitrate (As N)	ND	1.5		mg/Kg	5	5/15/2014 3:07:11 PM	13165
Sulfate	34	7.5		mg/Kg	5	5/15/2014 3:07:11 PM	13165
EPA METHOD 7471: MERCURY						Analyst: **JML**	
Mercury	ND	0.034		mg/Kg	1	5/14/2014 1:56:03 PM	13150
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	12		mg/Kg	5	5/15/2014 12:44:42 PM	13151
Barium	130	0.48		mg/Kg	5	5/15/2014 12:44:42 PM	13151
Cadmium	ND	0.48		mg/Kg	5	5/15/2014 12:44:42 PM	13151
Calcium	4000	120		mg/Kg	5	5/15/2014 12:44:42 PM	13151
Chromium	17	1.4		mg/Kg	5	5/15/2014 12:44:42 PM	13151
Copper	14	1.4		mg/Kg	5	5/15/2014 12:44:42 PM	13151
Iron	22000	96		mg/Kg	100	5/15/2014 11:48:38 AM	13151
Lead	6.0	1.2		mg/Kg	5	5/15/2014 12:44:42 PM	13151
Magnesium	3100	120		mg/Kg	5	5/15/2014 12:44:42 PM	13151
Manganese	330	0.48		mg/Kg	5	5/15/2014 12:44:42 PM	13151
Potassium	2800	240		mg/Kg	5	5/15/2014 12:44:42 PM	13151
Selenium	ND	12		mg/Kg	5	5/15/2014 12:44:42 PM	13151
Silver	ND	1.2		mg/Kg	5	5/15/2014 12:44:42 PM	13151
Sodium	ND	120		mg/Kg	5	5/15/2014 12:44:42 PM	13151
Zinc	53	12		mg/Kg	5	5/15/2014 12:44:42 PM	13151
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	5/13/2014 12:00:00 PM	13115

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #4 S-1
Project: BMG Llaves Landfarm
Collection Date: 5/6/2014 9:10:00 AM
Lab ID: 1405430-013
Matrix: SOIL
Received Date: 5/10/2014 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	5/14/2014 1:24:38 AM	13118
Toluene	ND	0.047		mg/Kg	1	5/14/2014 1:24:38 AM	13118
Ethylbenzene	ND	0.047		mg/Kg	1	5/14/2014 1:24:38 AM	13118
Xylenes, Total	ND	0.095		mg/Kg	1	5/14/2014 1:24:38 AM	13118
Surr: 4-Bromofluorobenzene	98.3	80-120		%REC	1	5/14/2014 1:24:38 AM	13118
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Fluoride	3.9	0.30		mg/Kg	1	5/15/2014 3:19:35 PM	13165
Chloride	ND	1.5		mg/Kg	1	5/15/2014 3:19:35 PM	13165
Nitrogen, Nitrate (As N)	0.38	0.30		mg/Kg	1	5/15/2014 3:19:35 PM	13165
Sulfate	4.6	1.5		mg/Kg	1	5/15/2014 3:19:35 PM	13165
EPA METHOD 7471: MERCURY						Analyst: **JML**	
Mercury	ND	0.033		mg/Kg	1	5/14/2014 1:57:50 PM	13150
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	12		mg/Kg	5	5/15/2014 12:46:03 PM	13151
Barium	120	0.49		mg/Kg	5	5/15/2014 12:46:03 PM	13151
Cadmium	ND	0.49		mg/Kg	5	5/15/2014 12:46:03 PM	13151
Calcium	9900	120		mg/Kg	5	5/15/2014 12:46:03 PM	13151
Chromium	18	1.5		mg/Kg	5	5/15/2014 12:46:03 PM	13151
Copper	13	1.5		mg/Kg	5	5/15/2014 12:46:03 PM	13151
Iron	22000	99		mg/Kg	100	5/15/2014 11:50:04 AM	13151
Lead	7.1	1.2		mg/Kg	5	5/15/2014 12:46:03 PM	13151
Magnesium	2900	120		mg/Kg	5	5/15/2014 12:46:03 PM	13151
Manganese	260	0.49		mg/Kg	5	5/15/2014 12:46:03 PM	13151
Potassium	2100	250		mg/Kg	5	5/15/2014 12:46:03 PM	13151
Selenium	ND	12		mg/Kg	5	5/15/2014 12:46:03 PM	13151
Silver	ND	1.2		mg/Kg	5	5/15/2014 12:46:03 PM	13151
Sodium	ND	120		mg/Kg	5	5/15/2014 12:46:03 PM	13151
Zinc	48	12		mg/Kg	5	5/15/2014 12:46:03 PM	13151
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	5/13/2014 12:00:00 PM	13115

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #4 S-2
Project: BMG Llaves Landfarm
Collection Date: 5/6/2014 9:50:00 AM
Lab ID: 1405430-014
Matrix: SOIL
Received Date: 5/10/2014 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.046		mg/Kg	1	5/14/2014 1:53:13 AM	13118
Toluene	ND	0.046		mg/Kg	1	5/14/2014 1:53:13 AM	13118
Ethylbenzene	ND	0.046		mg/Kg	1	5/14/2014 1:53:13 AM	13118
Xylenes, Total	ND	0.093		mg/Kg	1	5/14/2014 1:53:13 AM	13118
Surr: 4-Bromofluorobenzene	99.3	80-120		%REC	1	5/14/2014 1:53:13 AM	13118
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Fluoride	1.8	0.30		mg/Kg	1	5/15/2014 3:32:00 PM	13165
Chloride	ND	1.5		mg/Kg	1	5/15/2014 3:32:00 PM	13165
Nitrogen, Nitrate (As N)	ND	0.30		mg/Kg	1	5/15/2014 3:32:00 PM	13165
Sulfate	2.5	1.5		mg/Kg	1	5/15/2014 3:32:00 PM	13165
EPA METHOD 7471: MERCURY						Analyst: **JML**	
Mercury	ND	0.033		mg/Kg	1	5/15/2014 2:54:44 PM	13177
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	5.1		mg/Kg	2	5/15/2014 12:47:27 PM	13151
Barium	96	0.20		mg/Kg	2	5/15/2014 12:47:27 PM	13151
Cadmium	ND	0.20		mg/Kg	2	5/15/2014 12:47:27 PM	13151
Calcium	8500	130		mg/Kg	5	5/15/2014 12:48:55 PM	13151
Chromium	15	0.61		mg/Kg	2	5/15/2014 12:47:27 PM	13151
Copper	11	0.61		mg/Kg	2	5/15/2014 12:47:27 PM	13151
Iron	20000	100		mg/Kg	100	5/15/2014 11:51:27 AM	13151
Lead	5.4	0.51		mg/Kg	2	5/15/2014 12:47:27 PM	13151
Magnesium	2600	130		mg/Kg	5	5/15/2014 12:48:55 PM	13151
Manganese	220	0.20		mg/Kg	2	5/15/2014 12:47:27 PM	13151
Potassium	1900	260		mg/Kg	5	5/15/2014 12:48:55 PM	13151
Selenium	ND	5.1		mg/Kg	2	5/15/2014 12:47:27 PM	13151
Silver	ND	0.51		mg/Kg	2	5/15/2014 12:47:27 PM	13151
Sodium	ND	130		mg/Kg	5	5/15/2014 12:48:55 PM	13151
Zinc	37	5.1		mg/Kg	2	5/15/2014 12:47:27 PM	13151
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	5/13/2014 12:00:00 PM	13115

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #4 S-3
Project: BMG Llaves Landfarm
Collection Date: 5/6/2014 10:10:00 AM
Lab ID: 1405430-015
Matrix: SOIL
Received Date: 5/10/2014 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.049		mg/Kg	1	5/14/2014 2:21:48 AM	13118
Toluene	ND	0.049		mg/Kg	1	5/14/2014 2:21:48 AM	13118
Ethylbenzene	ND	0.049		mg/Kg	1	5/14/2014 2:21:48 AM	13118
Xylenes, Total	ND	0.098		mg/Kg	1	5/14/2014 2:21:48 AM	13118
Surr: 4-Bromofluorobenzene	95.7	80-120		%REC	1	5/14/2014 2:21:48 AM	13118
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Fluoride	1.8	0.30		mg/Kg	1	5/15/2014 3:44:24 PM	13165
Chloride	ND	1.5		mg/Kg	1	5/15/2014 3:44:24 PM	13165
Nitrogen, Nitrate (As N)	0.64	0.30		mg/Kg	1	5/15/2014 3:44:24 PM	13165
Sulfate	12	1.5		mg/Kg	1	5/15/2014 3:44:24 PM	13165
EPA METHOD 7471: MERCURY						Analyst: **JML**	
Mercury	ND	0.034		mg/Kg	1	5/15/2014 3:00:00 PM	13177
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	12		mg/Kg	5	5/15/2014 12:51:40 PM	13151
Barium	110	0.50		mg/Kg	5	5/15/2014 12:51:40 PM	13151
Cadmium	ND	0.50		mg/Kg	5	5/15/2014 12:51:40 PM	13151
Calcium	3900	120		mg/Kg	5	5/15/2014 12:51:40 PM	13151
Chromium	17	1.5		mg/Kg	5	5/15/2014 12:51:40 PM	13151
Copper	13	1.5		mg/Kg	5	5/15/2014 12:51:40 PM	13151
Iron	21000	100		mg/Kg	100	5/15/2014 11:52:51 AM	13151
Lead	6.8	1.2		mg/Kg	5	5/15/2014 12:51:40 PM	13151
Magnesium	2300	120		mg/Kg	5	5/15/2014 12:51:40 PM	13151
Manganese	260	0.50		mg/Kg	5	5/15/2014 12:51:40 PM	13151
Potassium	2000	250		mg/Kg	5	5/15/2014 12:51:40 PM	13151
Selenium	ND	12		mg/Kg	5	5/15/2014 12:51:40 PM	13151
Silver	ND	1.2		mg/Kg	5	5/15/2014 12:51:40 PM	13151
Sodium	ND	120		mg/Kg	5	5/15/2014 12:51:40 PM	13151
Zinc	45	12		mg/Kg	5	5/15/2014 12:51:40 PM	13151
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	5/13/2014 12:00:00 PM	13115

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #4 S-4
Project: BMG Llaves Landfarm
Collection Date: 5/6/2014 10:30:00 AM
Lab ID: 1405430-016
Matrix: SOIL
Received Date: 5/10/2014 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	5/14/2014 2:50:21 AM	13118
Toluene	ND	0.048		mg/Kg	1	5/14/2014 2:50:21 AM	13118
Ethylbenzene	ND	0.048		mg/Kg	1	5/14/2014 2:50:21 AM	13118
Xylenes, Total	ND	0.096		mg/Kg	1	5/14/2014 2:50:21 AM	13118
Surr: 4-Bromofluorobenzene	96.4	80-120		%REC	1	5/14/2014 2:50:21 AM	13118
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Fluoride	ND	1.5		mg/Kg	5	5/15/2014 3:56:49 PM	13165
Chloride	ND	7.5		mg/Kg	5	5/15/2014 3:56:49 PM	13165
Nitrogen, Nitrate (As N)	ND	1.5		mg/Kg	5	5/15/2014 3:56:49 PM	13165
Sulfate	7.9	7.5		mg/Kg	5	5/15/2014 3:56:49 PM	13165
EPA METHOD 7471: MERCURY						Analyst: **JML**	
Mercury	ND	0.034		mg/Kg	1	5/15/2014 3:01:48 PM	13177
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	5.0		mg/Kg	2	5/14/2014 12:18:48 PM	13151
Barium	77	0.20		mg/Kg	2	5/14/2014 12:18:48 PM	13151
Cadmium	ND	0.20		mg/Kg	2	5/14/2014 12:18:48 PM	13151
Calcium	1700	50		mg/Kg	2	5/15/2014 12:53:04 PM	13151
Chromium	10	0.60		mg/Kg	2	5/14/2014 12:18:48 PM	13151
Copper	8.0	0.60		mg/Kg	2	5/14/2014 12:18:48 PM	13151
Iron	16000	100		mg/Kg	100	5/15/2014 11:54:12 AM	13151
Lead	4.0	0.50		mg/Kg	2	5/14/2014 12:18:48 PM	13151
Magnesium	1400	50		mg/Kg	2	5/15/2014 12:53:04 PM	13151
Manganese	190	0.20		mg/Kg	2	5/14/2014 12:18:48 PM	13151
Potassium	1400	100		mg/Kg	2	5/15/2014 12:53:04 PM	13151
Selenium	ND	5.0		mg/Kg	2	5/14/2014 12:18:48 PM	13151
Silver	ND	0.50		mg/Kg	2	5/14/2014 12:18:48 PM	13151
Sodium	ND	50		mg/Kg	2	5/15/2014 12:53:04 PM	13151
Zinc	27	5.0		mg/Kg	2	5/14/2014 12:18:48 PM	13151
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	5/13/2014 12:00:00 PM	13115

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1405430**

19-May-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**MB-13165**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**13165**	RunNo:	**18617**					
Prep Date:	**5/14/2014**	Analysis Date:	**5/14/2014**	SeqNo:	**537805**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.30								
Chloride	ND	1.5								
Nitrogen, Nitrate (As N)	ND	0.30								
Sulfate	ND	1.5								

Sample ID	**LCS-13165**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**13165**	RunNo:	**18617**					
Prep Date:	**5/14/2014**	Analysis Date:	**5/14/2014**	SeqNo:	**537806**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.5	0.30	1.500	0	101	90	110			
Chloride	14	1.5	15.00	0	94.4	90	110			
Nitrogen, Nitrate (As N)	7.5	0.30	7.500	0	99.5	90	110			
Sulfate	29	1.5	30.00	0	95.2	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1405430**

19-May-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**MB-13115**	SampType:	**MBLK**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**PBS**	Batch ID:	**13115**	RunNo:	**18548**					
Prep Date:	**5/12/2014**	Analysis Date:	**5/13/2014**	SeqNo:	**535928**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	**LCS-13115**	SampType:	**LCS**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS**	Batch ID:	**13115**	RunNo:	**18548**					
Prep Date:	**5/12/2014**	Analysis Date:	**5/13/2014**	SeqNo:	**535929**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	94	20	100.0	0	94.1	80	120			

Sample ID	**LCSD-13115**	SampType:	**LCSD**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS02**	Batch ID:	**13115**	RunNo:	**18548**					
Prep Date:	**5/12/2014**	Analysis Date:	**5/13/2014**	SeqNo:	**535930**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	90	20	100.0	0	89.8	80	120	4.65	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1405430**

19-May-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID **MB-13118**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **13118**	RunNo: **18568**
Prep Date: **5/12/2014**	Analysis Date: **5/13/2014**	SeqNo: **536667** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Sample ID **LCS-13118**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **13118**	RunNo: **18568**
Prep Date: **5/12/2014**	Analysis Date: **5/13/2014**	SeqNo: **536668** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	1.000	0	111	80	120			
Toluene	1.0	0.050	1.000	0	102	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.5	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		113	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1405430**

19-May-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**MB-13150**	SampType:	**MBLK**	TestCode:	**EPA Method 7471: Mercury**					
Client ID:	**PBS**	Batch ID:	**13150**	RunNo:	**18596**					
Prep Date:	**5/13/2014**	Analysis Date:	**5/14/2014**	SeqNo:	**537214**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.033								

Sample ID	**LCS-13150**	SampType:	**LCS**	TestCode:	**EPA Method 7471: Mercury**					
Client ID:	**LCSS**	Batch ID:	**13150**	RunNo:	**18596**					
Prep Date:	**5/13/2014**	Analysis Date:	**5/14/2014**	SeqNo:	**537215**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.18	0.033	0.1667	0	106	80	120			

Sample ID	**1405430-001AMS**	SampType:	**MS**	TestCode:	**EPA Method 7471: Mercury**					
Client ID:	**VZ-Cell #1 S-1**	Batch ID:	**13150**	RunNo:	**18596**					
Prep Date:	**5/13/2014**	Analysis Date:	**5/14/2014**	SeqNo:	**537228**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.19	0.032	0.1640	0.007698	110	75	125			

Sample ID	**1405430-001AMSD**	SampType:	**MSD**	TestCode:	**EPA Method 7471: Mercury**					
Client ID:	**VZ-Cell #1 S-1**	Batch ID:	**13150**	RunNo:	**18596**					
Prep Date:	**5/13/2014**	Analysis Date:	**5/14/2014**	SeqNo:	**537229**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.19	0.033	0.1646	0.007698	111	75	125	1.23	20	

Sample ID	**MB-13177**	SampType:	**MBLK**	TestCode:	**EPA Method 7471: Mercury**					
Client ID:	**PBS**	Batch ID:	**13177**	RunNo:	**18629**					
Prep Date:	**5/14/2014**	Analysis Date:	**5/15/2014**	SeqNo:	**538382**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.033								

Sample ID	**LCS-13177**	SampType:	**LCS**	TestCode:	**EPA Method 7471: Mercury**					
Client ID:	**LCSS**	Batch ID:	**13177**	RunNo:	**18629**					
Prep Date:	**5/14/2014**	Analysis Date:	**5/15/2014**	SeqNo:	**538383**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.17	0.033	0.1667	0	100	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1405430**

19-May-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**1405430-014AMS**	SampType:	**MS**		TestCode:	**EPA Method 7471: Mercury**				
Client ID:	**VZ-Cell #4 S-2**	Batch ID:	**13177**		RunNo:	**18629**				
Prep Date:	**5/14/2014**	Analysis Date:	**5/15/2014**		SeqNo:	**538385**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.19	0.033	0.1653	0.01985	102	75	125			

Sample ID	**1405430-014AMSD**	SampType:	**MSD**		TestCode:	**EPA Method 7471: Mercury**				
Client ID:	**VZ-Cell #4 S-2**	Batch ID:	**13177**		RunNo:	**18629**				
Prep Date:	**5/14/2014**	Analysis Date:	**5/15/2014**		SeqNo:	**538386**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.19	0.033	0.1645	0.01985	102	75	125	0.401	20	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1405430**

19-May-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**MB-13151**	SampType:	**MBLK**	TestCode:	**EPA Method 6010B: Soil Metals**
Client ID:	**PBS**	Batch ID:	**13151**	RunNo:	**18603**
Prep Date:	**5/13/2014**	Analysis Date:	**5/14/2014**	SeqNo:	**537416** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	2.5								
Barium	ND	0.10								
Cadmium	ND	0.10								
Calcium	ND	25								
Chromium	ND	0.30								
Copper	ND	0.30								
Iron	ND	1.0								
Lead	ND	0.25								
Magnesium	ND	25								
Manganese	ND	0.10								
Potassium	ND	50								
Selenium	ND	2.5								
Silver	ND	0.25								
Sodium	ND	25								
Zinc	ND	2.5								

Sample ID	**LCS-13151**	SampType:	**LCS**	TestCode:	**EPA Method 6010B: Soil Metals**
Client ID:	**LCSS**	Batch ID:	**13151**	RunNo:	**18603**
Prep Date:	**5/13/2014**	Analysis Date:	**5/14/2014**	SeqNo:	**537417** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	23	2.5	25.00	0	91.3	80	120			
Barium	23	0.10	25.00	0	93.1	80	120			
Cadmium	23	0.10	25.00	0	92.3	80	120			
Calcium	2300	25	2500	0	92.9	80	120			
Chromium	23	0.30	25.00	0	92.0	80	120			
Copper	25	0.30	25.00	0	98.5	80	120			
Iron	24	1.0	25.00	0	96.9	80	120			
Lead	22	0.25	25.00	0	89.1	80	120			
Magnesium	2300	25	2500	0	92.8	80	120			
Manganese	23	0.10	25.00	0	93.0	80	120			
Potassium	2200	50	2500	0	89.1	80	120			
Selenium	22	2.5	25.00	0	88.1	80	120			
Silver	4.8	0.25	5.000	0	95.5	80	120			
Sodium	2300	25	2500	0	91.7	80	120			
Zinc	23	2.5	25.00	0	90.5	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1405430**

19-May-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**1405430-001AMS**	SampType:	**MS**	TestCode:	**EPA Method 6010B: Soil Metals**
Client ID:	**VZ-Cell #1 S-1**	Batch ID:	**13151**	RunNo:	**18623**
Prep Date:	**5/13/2014**	Analysis Date:	**5/15/2014**	SeqNo:	**538176** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	25	5.0	24.77	3.731	86.3	75	125			
Barium	98	0.20	24.77	72.78	101	75	125			
Cadmium	21	0.20	24.77	0	86.0	75	125			
Calcium	4500	50	2477	2247	89.2	75	125			
Chromium	29	0.59	24.77	5.467	94.5	75	125			
Copper	26	0.59	24.77	4.077	88.9	75	125			
Lead	22	0.50	24.77	2.859	78.9	75	125			
Magnesium	4100	50	2477	1515	103	75	125			
Potassium	3300	99	2477	973.7	95.7	75	125			
Selenium	19	5.0	24.77	0	77.7	75	125			
Silver	4.3	0.50	4.954	0	87.3	75	125			
Sodium	2200	50	2477	24.33	86.1	75	125			
Zinc	43	5.0	24.77	21.72	87.9	75	125			

Sample ID	**1405430-001AMSD**	SampType:	**MSD**	TestCode:	**EPA Method 6010B: Soil Metals**
Client ID:	**VZ-Cell #1 S-1**	Batch ID:	**13151**	RunNo:	**18623**
Prep Date:	**5/13/2014**	Analysis Date:	**5/15/2014**	SeqNo:	**538177** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	25	4.9	24.52	3.731	84.8	75	125	2.28	20	
Barium	94	0.20	24.52	72.78	85.6	75	125	4.27	20	
Cadmium	21	0.20	24.52	0	84.6	75	125	2.64	20	
Calcium	4400	49	2452	2247	88.3	75	125	0.993	20	
Chromium	28	0.59	24.52	5.467	93.1	75	125	2.00	20	
Copper	26	0.59	24.52	4.077	89.2	75	125	0.526	20	
Lead	22	0.49	24.52	2.859	77.4	75	125	2.54	20	
Magnesium	4000	49	2452	1515	103	75	125	0.700	20	
Potassium	3300	98	2452	973.7	94.0	75	125	1.96	20	
Selenium	19	4.9	24.52	0	78.5	75	125	0.0955	20	
Silver	4.3	0.49	4.905	0	87.5	75	125	0.813	20	
Sodium	2100	49	2452	24.33	86.0	75	125	1.05	20	
Zinc	43	4.9	24.52	21.72	87.1	75	125	0.943	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1405430** RcptNo: **1**

Received by/date: AF 05/10/14

Logged By: **Lindsay Mangin** **5/10/2014 11:00:00 AM**

Completed By: **Lindsay Mangin** **5/12/2014 7:42:51 AM**

Reviewed By: 05/12/14

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted?

Checked by:

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.8	Good	Yes			

Chain-of-Custody Record

Client: Animas Environmental Services

Mailing Address: 624 E Comanche
Farmington, NM 87401

Phone #: 505-564-2281

email or Fax#: 505-324-2022

QA/QC Package:
X Standard □ Level 4 (Full Validation)

Accreditation:
□ NELAP □ Other
□ EDD (Type)

Turn-Around Time:
X Standard □ Rush

Project Name:
BMG Llaves Landfarm

Project #:
AES 040605

Project Manager:
D. Watson

Sampler: S. Lynn

On Ice: X Yes □ No

Sample Temperature: 3.8°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1405130	Analysis Request: BTEX 8021	TPH 418.1	Metals (see below)	Major Cations/Anions	Air Bubbles (Y or N)
5/6/2014	13:50	Soil	VZ-Cell #1 S-1	(1) 4 oz glass jar	Cold	-001	X	X	X	X	
5/6/2014	14:20	Soil	VZ-Cell #1 S-2	(1) 4 oz glass jar	Cold	-002	X	X	X	X	
5/6/2014	14:55	Soil	VZ-Cell #1 S-3	(1) 4 oz glass jar	Cold	-003	X	X	X	X	
5/6/2014	15:30	Soil	VZ-Cell #1 S-4	(1) 4 oz glass jar	Cold	-004	X	X	X	X	
5/8/2014	10:15	Soil	VZ-Cell #2 S-1	(1) 4 oz glass jar	Cold	-005	X	X	X	X	
5/8/2014	10:40	Soil	VZ-Cell #2 S-2	(1) 4 oz glass jar	Cold	-006	X	X	X	X	
5/8/2014	11:10	Soil	VZ-Cell #2 S-3	(1) 4 oz glass jar	Cold	-007	X	X	X	X	
5/8/2014	12:20	Soil	VZ-Cell #2 S-4	(1) 4 oz glass jar	Cold	-008	X	X	X	X	
5/8/2014	13:00	Soil	VZ-Cell #3 S-1	(1) 4 oz glass jar	Cold	-009	X	X	X	X	
5/8/2014	13:50	Soil	VZ-Cell #3 S-2	(1) 4 oz glass jar	Cold	-010	X	X	X	X	
5/8/2014	14:15	Soil	VZ-Cell #3 S-3	(1) 4 oz glass jar	Cold	-011	X	X	X	X	
5/8/2014	14:45	Soil	VZ-Cell #3 S-4	(1) 4 oz glass jar	Cold	-012	X	X	X	X	
5/6/2014	9:10	Soil	VZ-Cell #4 S-1	(1) 4 oz glass jar	Cold	-013	X	X	X	X	
5/6/2014	9:50	Soil	VZ-Cell #4 S-2	(1) 4 oz glass jar	Cold	-014	X	X	X	X	
5/6/2014	10:10	Soil	VZ-Cell #4 S-3	(1) 4 oz glass jar	Cold	-015	X	X	X	X	
5/6/2014	10:30	Soil	VZ-Cell #4 S-4	(1) 4 oz glass jar	Cold	-016	X	X	X	X	

Date:	Time:	Relinquished by:	Received by:	Date	Time
5/9/14	1557	Stephanie Hyden	Monte Vader	5/9/14	1557
5/9/14	1624	Monte Vader			

Date:	Time:	Relinquished by:	Received by:	Date	Time
				5/10/14	11:30

Remarks: Metals (6020A) As, Ba, Cd, Cr, Pb, Hg, Se, Ag, Mn, Cu, Zn, and Fe. Cations and Anions: Fluoride, Nitrate, Chloride, Sulfate, Calcium, Magnesium, potassium, and sodium

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

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

October 14, 2014

Stephanie Lynn
Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX (505) 324-2022

RE: BMG Llaves Landfarm OrderNo.: 1410142

Dear Stephanie Lynn:

Hall Environmental Analysis Laboratory received 24 sample(s) on 10/3/2014 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 qualifers 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 #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-1
Project: BMG Llaves Landfarm
Collection Date: 9/30/2014 5:00:00 PM
Lab ID: 1410142-001 **Matrix:** AQUEOUS **Received Date:** 10/3/2014 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE						Analyst: **BCN**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/4/2014 10:15:38 PM	15719
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/4/2014 10:15:38 PM	15719
Surr: DNOP	116	59-141		%REC	1	10/4/2014 10:15:38 PM	15719
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/7/2014 1:55:37 AM	R21689
Surr: BFB	91.6	70.9-130		%REC	1	10/7/2014 1:55:37 AM	R21689
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	10/7/2014 1:55:37 AM	R21689
Toluene	ND	1.0		µg/L	1	10/7/2014 1:55:37 AM	R21689
Ethylbenzene	ND	1.0		µg/L	1	10/7/2014 1:55:37 AM	R21689
Xylenes, Total	ND	2.0		µg/L	1	10/7/2014 1:55:37 AM	R21689
Surr: 4-Bromofluorobenzene	106	66.6-167		%REC	1	10/7/2014 1:55:37 AM	R21689
EPA METHOD 300.0: ANIONS						Analyst: **LGP**	
Chloride	10	0.50		mg/L	1	10/4/2014 12:25:56 AM	R21685
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	614	20.0	*	mg/L	1	10/8/2014 4:42:00 PM	15759

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-2
Project: BMG Llaves Landfarm
Collection Date: 10/1/2014 9:54:00 AM
Lab ID: 1410142-002
Matrix: AQUEOUS
Received Date: 10/3/2014 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE						Analyst: **BCN**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/4/2014 10:45:38 PM	15719
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/4/2014 10:45:38 PM	15719
Surr: DNOP	118	59-141		%REC	1	10/4/2014 10:45:38 PM	15719
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/7/2014 2:25:31 AM	R21689
Surr: BFB	96.2	70.9-130		%REC	1	10/7/2014 2:25:31 AM	R21689
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	10/7/2014 2:25:31 AM	R21689
Toluene	ND	1.0		µg/L	1	10/7/2014 2:25:31 AM	R21689
Ethylbenzene	ND	1.0		µg/L	1	10/7/2014 2:25:31 AM	R21689
Xylenes, Total	ND	2.0		µg/L	1	10/7/2014 2:25:31 AM	R21689
Surr: 4-Bromofluorobenzene	107	66.6-167		%REC	1	10/7/2014 2:25:31 AM	R21689
EPA METHOD 300.0: ANIONS						Analyst: **LGP**	
Chloride	31	10		mg/L	20	10/4/2014 1:28:00 AM	R21685
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	632	40.0	*	mg/L	1	10/8/2014 4:42:00 PM	15759

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-3
Project: BMG Llaves Landfarm
Collection Date: 9/30/2014 12:05:00 PM
Lab ID: 1410142-003
Matrix: AQUEOUS
Received Date: 10/3/2014 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE						Analyst: **BCN**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/4/2014 11:15:34 PM	15719
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/4/2014 11:15:34 PM	15719
Surr: DNOP	116	59-141		%REC	1	10/4/2014 11:15:34 PM	15719
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/7/2014 2:55:31 AM	R21689
Surr: BFB	95.5	70.9-130		%REC	1	10/7/2014 2:55:31 AM	R21689
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	10/7/2014 2:55:31 AM	R21689
Toluene	ND	1.0		µg/L	1	10/7/2014 2:55:31 AM	R21689
Ethylbenzene	ND	1.0		µg/L	1	10/7/2014 2:55:31 AM	R21689
Xylenes, Total	ND	2.0		µg/L	1	10/7/2014 2:55:31 AM	R21689
Surr: 4-Bromofluorobenzene	110	66.6-167		%REC	1	10/7/2014 2:55:31 AM	R21689
EPA METHOD 300.0: ANIONS						Analyst: **LGP**	
Chloride	19	10		mg/L	20	10/4/2014 1:52:50 AM	R21685
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	574	20.0	*	mg/L	1	10/8/2014 4:42:00 PM	15759

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-4
Project: BMG Llaves Landfarm
Collection Date: 9/30/2014 2:05:00 PM
Lab ID: 1410142-004 **Matrix:** AQUEOUS **Received Date:** 10/3/2014 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE						Analyst: **BCN**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/4/2014 11:45:16 PM	15719
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/4/2014 11:45:16 PM	15719
Surr: DNOP	113	59-141		%REC	1	10/4/2014 11:45:16 PM	15719
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/7/2014 3:25:26 AM	R21689
Surr: BFB	97.5	70.9-130		%REC	1	10/7/2014 3:25:26 AM	R21689
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	10/7/2014 3:25:26 AM	R21689
Toluene	ND	1.0		µg/L	1	10/7/2014 3:25:26 AM	R21689
Ethylbenzene	ND	1.0		µg/L	1	10/7/2014 3:25:26 AM	R21689
Xylenes, Total	ND	2.0		µg/L	1	10/7/2014 3:25:26 AM	R21689
Surr: 4-Bromofluorobenzene	110	66.6-167		%REC	1	10/7/2014 3:25:26 AM	R21689
EPA METHOD 300.0: ANIONS						Analyst: **LGP**	
Chloride	15	0.50		mg/L	1	10/4/2014 2:05:15 AM	R21685
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	618	40.0	*	mg/L	1	10/8/2014 4:42:00 PM	15759

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: TZ-Cell #1
Project: BMG Llaves Landfarm
Collection Date: 9/30/2014 11:20:00 AM
Lab ID: 1410142-005 **Matrix:** SOIL **Received Date:** 10/3/2014 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	620	100		mg/Kg	10	10/6/2014 5:21:05 PM	15711
Motor Oil Range Organics (MRO)	2200	500		mg/Kg	10	10/6/2014 5:21:05 PM	15711
Surr: DNOP	0	57.9-140	S	%REC	10	10/6/2014 5:21:05 PM	15711
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/4/2014 1:24:12 PM	15702
Surr: BFB	90.8	80-120		%REC	1	10/4/2014 1:24:12 PM	15702
EPA METHOD 300.0: ANIONS						Analyst: **LGP**	
Chloride	140	30		mg/Kg	20	10/6/2014 2:17:45 PM	15736

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: TZ-Cell #2
Project: BMG Llaves Landfarm
Collection Date: 9/30/2014 12:15:00 PM
Lab ID: 1410142-006 **Matrix:** SOIL **Received Date:** 10/3/2014 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	530	100		mg/Kg	10	10/6/2014 6:03:42 PM	15711
Motor Oil Range Organics (MRO)	880	500		mg/Kg	10	10/6/2014 6:03:42 PM	15711
Surr: DNOP	0	57.9-140	S	%REC	10	10/6/2014 6:03:42 PM	15711
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/6/2014 6:20:36 PM	15702
Surr: BFB	93.1	80-120		%REC	1	10/6/2014 6:20:36 PM	15702
EPA METHOD 300.0: ANIONS						Analyst: **LGP**	
Chloride	47	30		mg/Kg	20	10/6/2014 2:54:58 PM	15736

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: TZ-Cell #3
Project: BMG Llaves Landfarm
Collection Date: 9/30/2014 1:25:00 PM
Lab ID: 1410142-007 **Matrix:** SOIL **Received Date:** 10/3/2014 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	1800	100		mg/Kg	10	10/6/2014 6:46:23 PM	15711
Motor Oil Range Organics (MRO)	2100	500		mg/Kg	10	10/6/2014 6:46:23 PM	15711
Surr: DNOP	0	57.9-140	S	%REC	10	10/6/2014 6:46:23 PM	15711
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	10	4.7		mg/Kg	1	10/4/2014 3:18:42 PM	15702
Surr: BFB	119	80-120		%REC	1	10/4/2014 3:18:42 PM	15702
EPA METHOD 300.0: ANIONS						Analyst: **LGP**	
Chloride	ND	30		mg/Kg	20	10/6/2014 3:32:11 PM	15736

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: TZ-Cell #4
Project: BMG Llaves Landfarm
Collection Date: 9/30/2014 3:00:00 PM
Lab ID: 1410142-008 **Matrix:** SOIL **Received Date:** 10/3/2014 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**	
Diesel Range Organics (DRO)	190	10		mg/Kg	1	10/7/2014 9:17:49 AM	15711
Motor Oil Range Organics (MRO)	190	50		mg/Kg	1	10/7/2014 9:17:49 AM	15711
Surr: DNOP	96.3	57.9-140		%REC	1	10/7/2014 9:17:49 AM	15711
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/4/2014 3:47:15 PM	15702
Surr: BFB	98.2	80-120		%REC	1	10/4/2014 3:47:15 PM	15702
EPA METHOD 300.0: ANIONS						Analyst: **LGP**	
Chloride	ND	30		mg/Kg	20	10/6/2014 3:44:36 PM	15736

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #1 S-1
Project: BMG Llaves Landfarm
Collection Date: 10/1/2014 11:45:00 AM
Lab ID: 1410142-009
Matrix: SOIL
Received Date: 10/3/2014 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	10/4/2014 4:15:48 PM	15702
Toluene	ND	0.048		mg/Kg	1	10/4/2014 4:15:48 PM	15702
Ethylbenzene	ND	0.048		mg/Kg	1	10/4/2014 4:15:48 PM	15702
Xylenes, Total	ND	0.096		mg/Kg	1	10/4/2014 4:15:48 PM	15702
Surr: 4-Bromofluorobenzene	93.2	80-120		%REC	1	10/4/2014 4:15:48 PM	15702
EPA METHOD 300.0: ANIONS						Analyst: **LGP**	
Chloride	ND	30		mg/Kg	20	10/6/2014 3:57:01 PM	15736
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	10/7/2014 12:00:00 PM	15715

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #1 S-2
Project: BMG Llaves Landfarm
Collection Date: 10/1/2014 11:00:00 AM
Lab ID: 1410142-010 **Matrix:** SOIL **Received Date:** 10/3/2014 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	10/4/2014 5:41:34 PM	15702
Toluene	ND	0.047		mg/Kg	1	10/4/2014 5:41:34 PM	15702
Ethylbenzene	ND	0.047		mg/Kg	1	10/4/2014 5:41:34 PM	15702
Xylenes, Total	ND	0.093		mg/Kg	1	10/4/2014 5:41:34 PM	15702
Surr: 4-Bromofluorobenzene	93.0	80-120		%REC	1	10/4/2014 5:41:34 PM	15702
EPA METHOD 300.0: ANIONS						Analyst: **LGP**	
Chloride	230	30		mg/Kg	20	10/6/2014 4:09:26 PM	15736
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	10/7/2014 12:00:00 PM	15715

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #1 S-3
Project: BMG Llaves Landfarm
Collection Date: 10/1/2014 11:30:00 AM
Lab ID: 1410142-011
Matrix: SOIL
Received Date: 10/3/2014 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	10/4/2014 6:10:11 PM	15702
Toluene	ND	0.047		mg/Kg	1	10/4/2014 6:10:11 PM	15702
Ethylbenzene	ND	0.047		mg/Kg	1	10/4/2014 6:10:11 PM	15702
Xylenes, Total	ND	0.094		mg/Kg	1	10/4/2014 6:10:11 PM	15702
Surr: 4-Bromofluorobenzene	93.4	80-120		%REC	1	10/4/2014 6:10:11 PM	15702
EPA METHOD 300.0: ANIONS						Analyst: **LGP**	
Chloride	ND	30		mg/Kg	20	10/6/2014 4:21:50 PM	15736
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	10/7/2014 12:00:00 PM	15715

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #1 S-4
Project: BMG Llaves Landfarm
Collection Date: 10/1/2014 12:00:00 PM
Lab ID: 1410142-012
Matrix: SOIL
Received Date: 10/3/2014 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	10/4/2014 6:38:52 PM	15702
Toluene	ND	0.047		mg/Kg	1	10/4/2014 6:38:52 PM	15702
Ethylbenzene	ND	0.047		mg/Kg	1	10/4/2014 6:38:52 PM	15702
Xylenes, Total	ND	0.094		mg/Kg	1	10/4/2014 6:38:52 PM	15702
Surr: 4-Bromofluorobenzene	92.5	80-120		%REC	1	10/4/2014 6:38:52 PM	15702
EPA METHOD 300.0: ANIONS						Analyst: **LGP**	
Chloride	ND	30		mg/Kg	20	10/6/2014 4:34:14 PM	15736
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	10/7/2014 12:00:00 PM	15715

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #2 S-1
Project: BMG Llaves Landfarm
Collection Date: 10/1/2014 12:20:00 PM
Lab ID: 1410142-013
Matrix: SOIL
Received Date: 10/3/2014 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	10/4/2014 7:07:26 PM	15702
Toluene	ND	0.047		mg/Kg	1	10/4/2014 7:07:26 PM	15702
Ethylbenzene	ND	0.047		mg/Kg	1	10/4/2014 7:07:26 PM	15702
Xylenes, Total	ND	0.095		mg/Kg	1	10/4/2014 7:07:26 PM	15702
Surr: 4-Bromofluorobenzene	93.5	80-120		%REC	1	10/4/2014 7:07:26 PM	15702
EPA METHOD 300.0: ANIONS						Analyst: **LGP**	
Chloride	ND	30		mg/Kg	20	10/6/2014 4:46:38 PM	15736
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	10/7/2014 12:00:00 PM	15715

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #2 S-2
Project: BMG Llaves Landfarm
Collection Date: 10/1/2014 12:35:00 PM
Lab ID: 1410142-014
Matrix: SOIL
Received Date: 10/3/2014 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	10/4/2014 7:35:57 PM	15702
Toluene	ND	0.048		mg/Kg	1	10/4/2014 7:35:57 PM	15702
Ethylbenzene	ND	0.048		mg/Kg	1	10/4/2014 7:35:57 PM	15702
Xylenes, Total	ND	0.096		mg/Kg	1	10/4/2014 7:35:57 PM	15702
Surr: 4-Bromofluorobenzene	92.4	80-120		%REC	1	10/4/2014 7:35:57 PM	15702
EPA METHOD 300.0: ANIONS						Analyst: **LGP**	
Chloride	37	30		mg/Kg	20	10/6/2014 4:59:02 PM	15736
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	10/7/2014 12:00:00 PM	15715

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #2 S-3
Project: BMG Llaves Landfarm
Collection Date: 10/1/2014 1:20:00 PM
Lab ID: 1410142-015
Matrix: SOIL
Received Date: 10/3/2014 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	10/4/2014 8:04:29 PM	15702
Toluene	ND	0.048		mg/Kg	1	10/4/2014 8:04:29 PM	15702
Ethylbenzene	ND	0.048		mg/Kg	1	10/4/2014 8:04:29 PM	15702
Xylenes, Total	ND	0.095		mg/Kg	1	10/4/2014 8:04:29 PM	15702
Surr: 4-Bromofluorobenzene	92.0	80-120		%REC	1	10/4/2014 8:04:29 PM	15702
EPA METHOD 300.0: ANIONS						Analyst: **LGP**	
Chloride	ND	30		mg/Kg	20	10/6/2014 5:11:27 PM	15736
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	46	20		mg/Kg	1	10/7/2014 12:00:00 PM	15715

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #2 S-4
Project: BMG Llaves Landfarm
Collection Date: 10/1/2014 1:45:00 PM
Lab ID: 1410142-016
Matrix: SOIL
Received Date: 10/3/2014 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	10/4/2014 8:33:04 PM	15702
Toluene	ND	0.048		mg/Kg	1	10/4/2014 8:33:04 PM	15702
Ethylbenzene	ND	0.048		mg/Kg	1	10/4/2014 8:33:04 PM	15702
Xylenes, Total	ND	0.096		mg/Kg	1	10/4/2014 8:33:04 PM	15702
Surr: 4-Bromofluorobenzene	93.9	80-120		%REC	1	10/4/2014 8:33:04 PM	15702
EPA METHOD 300.0: ANIONS						Analyst: **LGP**	
Chloride	ND	30		mg/Kg	20	10/6/2014 5:23:51 PM	15736
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	10/7/2014 12:00:00 PM	15715

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #3 S-1
Project: BMG Llaves Landfarm
Collection Date: 10/1/2014 2:25:00 PM
Lab ID: 1410142-017
Matrix: SOIL
Received Date: 10/3/2014 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.050		mg/Kg	1	10/4/2014 9:01:39 PM	15702
Toluene	ND	0.050		mg/Kg	1	10/4/2014 9:01:39 PM	15702
Ethylbenzene	ND	0.050		mg/Kg	1	10/4/2014 9:01:39 PM	15702
Xylenes, Total	ND	0.099		mg/Kg	1	10/4/2014 9:01:39 PM	15702
Surr: 4-Bromofluorobenzene	95.0	80-120		%REC	1	10/4/2014 9:01:39 PM	15702
EPA METHOD 300.0: ANIONS						Analyst: **LGP**	
Chloride	ND	30		mg/Kg	20	10/6/2014 6:01:04 PM	15736
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	10/7/2014 12:00:00 PM	15715

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #3 S-2
Project: BMG Llaves Landfarm
Collection Date: 10/1/2014 2:50:00 PM
Lab ID: 1410142-018
Matrix: SOIL
Received Date: 10/3/2014 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.049		mg/Kg	1	10/4/2014 9:30:08 PM	15702
Toluene	ND	0.049		mg/Kg	1	10/4/2014 9:30:08 PM	15702
Ethylbenzene	ND	0.049		mg/Kg	1	10/4/2014 9:30:08 PM	15702
Xylenes, Total	ND	0.097		mg/Kg	1	10/4/2014 9:30:08 PM	15702
Surr: 4-Bromofluorobenzene	94.1	80-120		%REC	1	10/4/2014 9:30:08 PM	15702
EPA METHOD 300.0: ANIONS						Analyst: **LGP**	
Chloride	ND	30		mg/Kg	20	10/6/2014 6:13:29 PM	15736
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	36	20		mg/Kg	1	10/7/2014 12:00:00 PM	15715

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #3 S-3
Project: BMG Llaves Landfarm
Collection Date: 10/1/2014 3:05:00 PM
Lab ID: 1410142-019
Matrix: SOIL
Received Date: 10/3/2014 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	10/4/2014 11:52:57 PM	15702
Toluene	ND	0.048		mg/Kg	1	10/4/2014 11:52:57 PM	15702
Ethylbenzene	ND	0.048		mg/Kg	1	10/4/2014 11:52:57 PM	15702
Xylenes, Total	ND	0.096		mg/Kg	1	10/4/2014 11:52:57 PM	15702
Surr: 4-Bromofluorobenzene	94.2	80-120		%REC	1	10/4/2014 11:52:57 PM	15702
EPA METHOD 300.0: ANIONS						Analyst: **LGP**	
Chloride	ND	30		mg/Kg	20	10/6/2014 6:25:53 PM	15736
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	170	20		mg/Kg	1	10/7/2014 12:00:00 PM	15715

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #3 S-4
Project: BMG Llaves Landfarm
Collection Date: 10/1/2014 3:30:00 PM
Lab ID: 1410142-020
Matrix: SOIL
Received Date: 10/3/2014 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	10/5/2014 12:21:32 AM	15702
Toluene	ND	0.047		mg/Kg	1	10/5/2014 12:21:32 AM	15702
Ethylbenzene	ND	0.047		mg/Kg	1	10/5/2014 12:21:32 AM	15702
Xylenes, Total	ND	0.095		mg/Kg	1	10/5/2014 12:21:32 AM	15702
Surr: 4-Bromofluorobenzene	93.3	80-120		%REC	1	10/5/2014 12:21:32 AM	15702
EPA METHOD 300.0: ANIONS						Analyst: **LGP**	
Chloride	ND	30		mg/Kg	20	10/6/2014 6:38:18 PM	15736
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	10/7/2014 12:00:00 PM	15715

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #4 S-1
Project: BMG Llaves Landfarm
Collection Date: 10/1/2014 4:10:00 PM
Lab ID: 1410142-021
Matrix: SOIL
Received Date: 10/3/2014 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	10/5/2014 12:50:05 AM	15702
Toluene	ND	0.048		mg/Kg	1	10/5/2014 12:50:05 AM	15702
Ethylbenzene	ND	0.048		mg/Kg	1	10/5/2014 12:50:05 AM	15702
Xylenes, Total	ND	0.096		mg/Kg	1	10/5/2014 12:50:05 AM	15702
Surr: 4-Bromofluorobenzene	95.7	80-120		%REC	1	10/5/2014 12:50:05 AM	15702
EPA METHOD 300.0: ANIONS						Analyst: **LGP**	
Chloride	ND	30		mg/Kg	20	10/6/2014 6:50:43 PM	15736
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	10/7/2014 12:00:00 PM	15715

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #4 S-2
Project: BMG Llaves Landfarm
Collection Date: 10/1/2014 4:30:00 PM
Lab ID: 1410142-022
Matrix: SOIL
Received Date: 10/3/2014 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	10/5/2014 1:18:33 AM	15702
Toluene	ND	0.048		mg/Kg	1	10/5/2014 1:18:33 AM	15702
Ethylbenzene	ND	0.048		mg/Kg	1	10/5/2014 1:18:33 AM	15702
Xylenes, Total	ND	0.095		mg/Kg	1	10/5/2014 1:18:33 AM	15702
Surr: 4-Bromofluorobenzene	95.8	80-120		%REC	1	10/5/2014 1:18:33 AM	15702
EPA METHOD 300.0: ANIONS						Analyst: **LGP**	
Chloride	ND	30		mg/Kg	20	10/8/2014 11:41:44 AM	15789
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	10/7/2014 12:00:00 PM	15715

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #4 S-3
Project: BMG Llaves Landfarm
Collection Date: 10/1/2014 5:00:00 PM
Lab ID: 1410142-023
Matrix: SOIL
Received Date: 10/3/2014 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	10/5/2014 1:47:03 AM	15702
Toluene	ND	0.048		mg/Kg	1	10/5/2014 1:47:03 AM	15702
Ethylbenzene	ND	0.048		mg/Kg	1	10/5/2014 1:47:03 AM	15702
Xylenes, Total	ND	0.096		mg/Kg	1	10/5/2014 1:47:03 AM	15702
Surr: 4-Bromofluorobenzene	94.8	80-120		%REC	1	10/5/2014 1:47:03 AM	15702
EPA METHOD 300.0: ANIONS						Analyst: **LGP**	
Chloride	ND	30		mg/Kg	20	10/8/2014 12:18:56 PM	15789
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	10/7/2014 12:00:00 PM	15715

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #4 S-4
Project: BMG Llaves Landfarm
Collection Date: 10/1/2014 5:30:00 PM
Lab ID: 1410142-024
Matrix: SOIL
Received Date: 10/3/2014 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	10/5/2014 2:15:40 AM	15702
Toluene	ND	0.048		mg/Kg	1	10/5/2014 2:15:40 AM	15702
Ethylbenzene	ND	0.048		mg/Kg	1	10/5/2014 2:15:40 AM	15702
Xylenes, Total	ND	0.097		mg/Kg	1	10/5/2014 2:15:40 AM	15702
Surr: 4-Bromofluorobenzene	94.9	80-120		%REC	1	10/5/2014 2:15:40 AM	15702
EPA METHOD 300.0: ANIONS						Analyst: **LGP**	
Chloride	ND	30		mg/Kg	20	10/8/2014 12:31:21 PM	15789
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	10/7/2014 12:00:00 PM	15715

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1410142**

14-Oct-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**MB-15736**	SampType:	**MBLK**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**PBS**	Batch ID:	**15736**		RunNo:	**21706**				
Prep Date:	**10/6/2014**	Analysis Date:	**10/6/2014**		SeqNo:	**637125**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-15736**	SampType:	**LCS**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**LCSS**	Batch ID:	**15736**		RunNo:	**21706**				
Prep Date:	**10/6/2014**	Analysis Date:	**10/6/2014**		SeqNo:	**637127**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.8	90	110			

Sample ID	**MB-15789**	SampType:	**MBLK**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**PBS**	Batch ID:	**15789**		RunNo:	**21767**				
Prep Date:	**10/8/2014**	Analysis Date:	**10/8/2014**		SeqNo:	**639352**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-15789**	SampType:	**LCS**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**LCSS**	Batch ID:	**15789**		RunNo:	**21767**				
Prep Date:	**10/8/2014**	Analysis Date:	**10/8/2014**		SeqNo:	**639353**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.9	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1410142**

14-Oct-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R21685**	RunNo: **21685**
Prep Date:	Analysis Date: **10/3/2014**	SeqNo: **636549** 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: **R21685**	RunNo: **21685**
Prep Date:	Analysis Date: **10/3/2014**	SeqNo: **636550** 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	96.1	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1410142**

14-Oct-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**MB-15715**	SampType:	**MBLK**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**PBS**	Batch ID:	**15715**	RunNo:	**21714**					
Prep Date:	**10/4/2014**	Analysis Date:	**10/7/2014**	SeqNo:	**637493**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	**LCS-15715**	SampType:	**LCS**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS**	Batch ID:	**15715**	RunNo:	**21714**					
Prep Date:	**10/4/2014**	Analysis Date:	**10/7/2014**	SeqNo:	**637494**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	100	20	100.0	0	104	80	120			

Sample ID	**LCSD-15715**	SampType:	**LCSD**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS02**	Batch ID:	**15715**	RunNo:	**21714**					
Prep Date:	**10/4/2014**	Analysis Date:	**10/7/2014**	SeqNo:	**637495**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	98	20	100.0	0	97.7	80	120	5.90	20	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1410142**

14-Oct-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID **MB-15711**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **15711**	RunNo: **21668**
Prep Date: **10/4/2014**	Analysis Date: **10/6/2014**	SeqNo: **636214** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.9		10.00		79.2	57.9	140			

Sample ID **LCS-15711**	SampType: **LCS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **15711**	RunNo: **21668**
Prep Date: **10/4/2014**	Analysis Date: **10/6/2014**	SeqNo: **636215** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	62	10	50.00	0	124	68.6	130			
Surr: DNOP	4.1		5.000		81.1	57.9	140			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1410142**

14-Oct-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**MB-15719**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Diesel Range**					
Client ID:	**PBW**	Batch ID:	**15719**	RunNo:	**21675**					
Prep Date:	**10/4/2014**	Analysis Date:	**10/4/2014**	SeqNo:	**636339**	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	1.0		1.000		103	59	141			

Sample ID	**LCS-15719**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Diesel Range**					
Client ID:	**LCSW**	Batch ID:	**15719**	RunNo:	**21675**					
Prep Date:	**10/4/2014**	Analysis Date:	**10/4/2014**	SeqNo:	**636340**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	4.5	1.0	5.000	0	89.5	69.7	142			
Surr: DNOP	0.39		0.5000		77.1	59	141			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1410142**

14-Oct-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**MB-15702**	SampType:	**MBLK**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**PBS**	Batch ID:	**15702**		RunNo:	**21672**				
Prep Date:	**10/3/2014**	Analysis Date:	**10/4/2014**		SeqNo:	**635996**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	910		1000		90.8	80	120			

Sample ID	**LCS-15702**	SampType:	**LCS**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**LCSS**	Batch ID:	**15702**		RunNo:	**21672**				
Prep Date:	**10/3/2014**	Analysis Date:	**10/4/2014**		SeqNo:	**635997**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	65.8	139			
Surr: BFB	960		1000		95.9	80	120			

Sample ID	**1410142-005AMS**	SampType:	**MS**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**TZ-Cell #1**	Batch ID:	**15702**		RunNo:	**21672**				
Prep Date:	**10/3/2014**	Analysis Date:	**10/4/2014**		SeqNo:	**636008**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	4.7	23.67	0	126	71.8	132			
Surr: BFB	950		947.0		101	80	120			

Sample ID	**1410142-005AMSD**	SampType:	**MSD**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**TZ-Cell #1**	Batch ID:	**15702**		RunNo:	**21672**				
Prep Date:	**10/3/2014**	Analysis Date:	**10/4/2014**		SeqNo:	**636023**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	4.7	23.65	0	119	71.8	132	6.11	20	
Surr: BFB	960		946.1		101	80	120	0	0	

Sample ID	**5ML RB**	SampType:	**MBLK**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**PBS**	Batch ID:	**R21689**		RunNo:	**21689**				
Prep Date:		Analysis Date:	**10/6/2014**		SeqNo:	**636886**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	840		1000		83.6	80	120			

Sample ID	**2.5UG GRO LCS**	SampType:	**LCS**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**LCSS**	Batch ID:	**R21689**		RunNo:	**21689**				
Prep Date:		Analysis Date:	**10/6/2014**		SeqNo:	**636887**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1410142**

14-Oct-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**2.5UG GRO LCS**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**
Client ID:	**LCSS**	Batch ID:	**R21689**	RunNo:	**21689**
Prep Date:		Analysis Date:	**10/6/2014**	SeqNo:	**636887** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.2	65.8	139			
Surr: BFB	990		1000		98.8	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1410142**

14-Oct-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBW**	Batch ID: **R21689**	RunNo: **21689**
Prep Date:	Analysis Date: **10/6/2014**	SeqNo: **636892** 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	17		20.00		83.6	70.9	130			

Sample ID **2.5UG GRO LCS**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSW**	Batch ID: **R21689**	RunNo: **21689**
Prep Date:	Analysis Date: **10/6/2014**	SeqNo: **636893** 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	95.2	80	120			
Surr: BFB	20		20.00		98.8	70.9	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1410142**

14-Oct-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID **MB-15702**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **15702**	RunNo: **21672**
Prep Date: **10/3/2014**	Analysis Date: **10/4/2014**	SeqNo: **636148** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		96.7	80	120			

Sample ID **LCS-15702**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **15702**	RunNo: **21672**
Prep Date: **10/3/2014**	Analysis Date: **10/4/2014**	SeqNo: **636149** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.050	1.000	0	97.9	80	120			
Toluene	0.98	0.050	1.000	0	98.0	80	120			
Ethylbenzene	1.0	0.050	1.000	0	99.8	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.4	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		99.4	80	120			

Sample ID **1410142-009AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **VZ-Cell #1 S-1**	Batch ID: **15702**	RunNo: **21672**
Prep Date: **10/3/2014**	Analysis Date: **10/4/2014**	SeqNo: **636151** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.048	0.9542	0	106	77.4	142			
Toluene	1.0	0.048	0.9542	0	107	77	132			
Ethylbenzene	1.1	0.048	0.9542	0	111	77.6	134			
Xylenes, Total	3.1	0.095	2.863	0	109	77.4	132			
Surr: 4-Bromofluorobenzene	0.94		0.9542		98.8	80	120			

Sample ID **1410142-009AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **VZ-Cell #1 S-1**	Batch ID: **15702**	RunNo: **21672**
Prep Date: **10/3/2014**	Analysis Date: **10/4/2014**	SeqNo: **636152** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.048	0.9560	0	101	77.4	142	4.30	20	
Toluene	0.97	0.048	0.9560	0	102	77	132	5.02	20	
Ethylbenzene	1.0	0.048	0.9560	0	105	77.6	134	5.44	20	
Xylenes, Total	3.0	0.096	2.868	0	104	77.4	132	4.58	20	
Surr: 4-Bromofluorobenzene	0.97		0.9560		101	80	120	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1410142**

14-Oct-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**5ML RB**	SampType:	**MBLK**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**PBS**	Batch ID:	**R21689**	RunNo:	**21689**					
Prep Date:		Analysis Date:	**10/6/2014**	SeqNo:	**636911**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.92		1.000		92.1	80	120			

Sample ID	**100NG BTEX LCS**	SampType:	**LCS**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**LCSS**	Batch ID:	**R21689**	RunNo:	**21689**					
Prep Date:		Analysis Date:	**10/6/2014**	SeqNo:	**636912**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	1.000	0	105	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	80	120			
Xylenes, Total	3.2	0.10	3.000	0	106	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1410142**

14-Oct-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**5ML RB**	SampType:	**MBLK**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**PBW**	Batch ID:	**R21689**	RunNo:	**21689**					
Prep Date:		Analysis Date:	**10/6/2014**	SeqNo:	**636915**	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	18		20.00		92.1	66.6	167			

Sample ID	**100NG BTEX LCS**	SampType:	**LCS**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**LCSW**	Batch ID:	**R21689**	RunNo:	**21689**					
Prep Date:		Analysis Date:	**10/6/2014**	SeqNo:	**636916**	Units:	**µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	105	80	120			
Toluene	21	1.0	20.00	0	103	80	120			
Ethylbenzene	21	1.0	20.00	0	103	80	120			
Xylenes, Total	63	2.0	60.00	0	106	80	120			
Surr: 4-Bromofluorobenzene	20		20.00		101	66.6	167			

Sample ID	**1410142-001AMS**	SampType:	**MS**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**MW-1**	Batch ID:	**R21689**	RunNo:	**21689**					
Prep Date:		Analysis Date:	**10/6/2014**	SeqNo:	**636918**	Units:	**µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	92.8	80	120			
Toluene	18	1.0	20.00	0.4540	86.8	80	120			
Ethylbenzene	18	1.0	20.00	0	88.6	79.7	126			
Xylenes, Total	55	2.0	60.00	0	91.3	80	120			
Surr: 4-Bromofluorobenzene	23		20.00		113	66.6	167			

Sample ID	**1410142-001AMSD**	SampType:	**MSD**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**MW-1**	Batch ID:	**R21689**	RunNo:	**21689**					
Prep Date:		Analysis Date:	**10/6/2014**	SeqNo:	**636919**	Units:	**µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	89.6	80	120	3.61	20	
Toluene	17	1.0	20.00	0.4540	83.4	80	120	3.81	20	
Ethylbenzene	17	1.0	20.00	0	85.4	79.7	126	3.77	20	
Xylenes, Total	53	2.0	60.00	0	88.7	80	120	2.92	20	
Surr: 4-Bromofluorobenzene	23		20.00		116	66.6	167	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1410142**

14-Oct-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**MB-15759**	SampType:	**MBLK**	TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**PBW**	Batch ID:	**15759**	RunNo:	**21752**					
Prep Date:	**10/7/2014**	Analysis Date:	**10/8/2014**	SeqNo:	**638741**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	**LCS-15759**	SampType:	**LCS**	TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**LCSW**	Batch ID:	**15759**	RunNo:	**21752**					
Prep Date:	**10/7/2014**	Analysis Date:	**10/8/2014**	SeqNo:	**638742**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1010	20.0	1000	0	101	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental | Work Order Number: 1410142 | RcptNo: 1

Received by/date: LM 10/03/14

Logged By: **Michelle Garcia** 10/3/2014 7:40:00 AM Michelle Garcia

Completed By: **Michelle Garcia** 10/3/2014 8:59:04 AM Michelle Garcia

Reviewed By: CS 10/3/14

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.6	Good	Yes			

Chain-of-Custody Record

Client: Animas Environmental Services

Mailing Address: 604 W. Pinon Street
Farmington, NM 87401

Phone #: 505-564-2281

email or Fax#: shinds@animasenvironmental.com

QA/QC Package:
X Standard □ Level 4 (Full Validation)

Accreditation:
□ NELAP □ Other_____
□ EDD (Type) _____

Turn-Around Time:
X Standard □ Rush_____

Project Name:
BMG Llaves Landfarm

Project #:
AES 040605

Project Manager: Stephanie (Lynn) Hinds

Sampler: S.Hinds, S. Glasses
On Ice: X Yes □ No
Sample Temperature: 1.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1410142	Analysis Request: BTEX 8021	TPH (GRO/DRO/MRO) 8015	TDS SM2540C	Chlorides 300.0	TPH 418.1							Air Bubbles (Y or N)
9/30/2014	17:00	H2O	MW-1	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-001	X	X	X	X								
10/1/2014	9:54	H2O	MW-2	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	5-HCl 2-Non	-002	X	X	X	X								
9/30/2014	12:05	H2O	MW-3	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	5-HCl 2-Non	-003	X	X	X	X								
9/30/2014	14:05	H2O	MW-4	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	5-HCl 2-Non	-004	X	X	X	X								
9/30/2014	11:20	Soil	TZ-Cell #1	(2) 4 oz glass jar	Cool	-005		X		X								
9/30/2014	12:15	Soil	TZ-Cell #2	(2) 4 oz glass jar	Cool	-006		X		X								
9/30/2014	13:25	Soil	TZ-Cell #3	(2) 4 oz glass jar	Cool	-007		X		X								
9/30/2014	15:00	Soil	TZ-Cell #4	(2) 4 oz glass jar	Cool	-008		X		X								

Chain-of-Custody Record

Client:	Animas Environmental Services
Mailing Address:	604 W. Pinon Street Farmington, NM 87401
Phone #:	505-564-2281
email or Fax#:	shinds@animasenvironmental.com
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other
□ EDD (Type)	

Turn-Around Time:	
X Standard	□ Rush
Project Name:	BMG Llaves Landfarm
Project #:	AES 040605
Project Manager:	Stephanie (Lynn) Hinds
Sampler:	S.Hinds, S. Glasses
On Ice:	X Yes □ No
Sample Temperature:	1.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1410142	Analysis Request: BTEX 8021	TPH (GRO/DRO/MRO) 8015	TDS SM2540C	Chlorides 300.0	TPH 418.1						Air Bubbles (Y or N)
10/1/2014	11:45	Soil	VZ-Cell #1 S-1	(2) 4 oz glass jar	Cool	-009	X			X	X						
10/1/2014	11:00	Soil	VZ-Cell #1 S-2	(2) 4 oz glass jar	Cool	-010	X			X	X						
10/1/2014	11:30	Soil	VZ-Cell #1 S-3	(2) 4 oz glass jar	Cool	-011	X			X	X						
10/1/2014	12:00	Soil	VZ-Cell #1 S-4	(2) 4 oz glass jar	Cool	-012	X			X	X						
10/1/2014	12:20	Soil	VZ-Cell #2 S-1	(2) 4 oz glass jar	Cool	-013	X			X	X						
10/1/2014	12:35	Soil	VZ-Cell #2 S-2	(2) 4 oz glass jar	Cool	-014	X			X	X						
10/1/2014	13:20	Soil	VZ-Cell #2 S-3	(2) 4 oz glass jar	Cool	-015	X			X	X						
10/1/2014	13:45	Soil	VZ-Cell #2 S-4	(2) 4 oz glass jar	Cool	-016	X			X	X						
10/1/2014	14:25	Soil	VZ-Cell #3 S-1	(2) 4 oz glass jar	Cool	-017	X			X	X						
10/1/2014	14:50	Soil	VZ-Cell #3 S-2	(2) 4 oz glass jar	Cool	-018	X			X	X						

Chain-of-Custody Record

Client: Animas Environmental Services

Mailing Address: 604 W. Pinon Street
Farmington, NM 87401

Phone #: 505-564-2281

email or Fax#: shinds@animasenvironmental.com

QA/QC Package:
X Standard □ Level 4 (Full Validation)

Accreditation:
□ NELAP □ Other

□ EDD (Type)

Turn-Around Time:
X Standard □ Rush

Project Name:
BMG Llaves Landfarm

Project #:
AES 040605

Project Manager: Stephanie (Lynn) Hinds

Sampler: S.Hinds, S. Glasses

On Ice: X Yes □ No

Sample Temperature: 1.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1410142	BTEX 8021	TPH (GRO/DRO/MRO) 8015	TDS SM2540C	Chlorides 300.0	TPH 418.1						Air Bubbles (Y or N)
10/1/2014	15:05	Soil	VZ-Cell #3 S-3	(2) 4 oz glass jar	Cool	-019	X			X	X						
10/1/2014	15:30	Soil	VZ-Cell #3 S-4	(2) 4 oz glass jar	Cool	-020	X			X	X						
10/1/2014	16:10	Soil	VZ-Cell #4 S-1	(2) 4 oz glass jar	Cool	-021	X			X	X						
10/1/2014	16:30	Soil	VZ-Cell #4 S-2	(2) 4 oz glass jar	Cool	-022	X			X	X						
10/1/2014	17:00	Soil	VZ-Cell #4 S-3	(2) 4 oz glass jar	Cool	-023	X			X	X						
10/1/2014	17:30	Soil	VZ-Cell #4 S-4	(2) 4 oz glass jar	Cool	-024	X			X	X						
		H2O	Trip Blank	2-40 mL glass	Cold	-025	X										

Date: 10/2/14 Time: 1652 Relinquished by: Stephanie Hinds Received by: Mat Walla Date: 10/2/14 Time: 1652

Date: 10/2/14 Time: 1800 Relinquished by: Mat Walla Received by: Date: 10/03/14 Time: 0740

Remarks: Call if questions.
DID NOT RECIEVE TRIP BLANK 10/03/14

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

December 18, 2014

Stephanie Hinds
Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG Llaves Landfarm OrderNo.: 1412284

Dear Stephanie Hinds:

Hall Environmental Analysis Laboratory received 3 sample(s) on 12/5/2014 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 qualifers 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 #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Interstitiol Well S-1
Project: BMG Llaves Landfarm
Collection Date: 12/3/2014 11:15:00 AM
Lab ID: 1412284-001 **Matrix:** AQUEOUS **Received Date:** 12/5/2014 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE						Analyst:	**BCN**
Diesel Range Organics (DRO)	6.0	1.0		mg/L	1	12/5/2014 8:29:24 PM	16662
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/5/2014 8:29:24 PM	16662
Surr: DNOP	84.6	59-141		%REC	1	12/5/2014 8:29:24 PM	16662
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	0.087	0.050		mg/L	1	12/6/2014 1:29:21 AM	R22975
Surr: BFB	92.7	80-120		%REC	1	12/6/2014 1:29:21 AM	R22975
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	1.0		µg/L	1	12/9/2014 2:19:43 PM	R23036
Toluene	ND	1.0		µg/L	1	12/9/2014 2:19:43 PM	R23036
Ethylbenzene	ND	1.0		µg/L	1	12/9/2014 2:19:43 PM	R23036
Xylenes, Total	ND	2.0		µg/L	1	12/9/2014 2:19:43 PM	R23036
Surr: 4-Bromofluorobenzene	106	66.6-167		%REC	1	12/9/2014 2:19:43 PM	R23036
EPA METHOD 300.0: ANIONS						Analyst:	**lgp**
Chloride	98000	5000	*	mg/L	1E	12/9/2014 1:35:07 AM	R23009
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**KS**
Total Dissolved Solids	133000	1000	*	mg/L	1	12/8/2014 12:07:00 PM	16699

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: EVAP Pond S-1
Project: BMG Llaves Landfarm
Collection Date: 12/3/2014 11:30:00 AM
Lab ID: 1412284-002 **Matrix:** AQUEOUS **Received Date:** 12/5/2014 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE						Analyst: **BCN**	
Diesel Range Organics (DRO)	9.2	1.0		mg/L	1	12/5/2014 8:58:52 PM	16662
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/5/2014 8:58:52 PM	16662
Surr: DNOP	111	59-141		%REC	1	12/5/2014 8:58:52 PM	16662
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	1.2	0.050		mg/L	1	12/6/2014 1:56:31 AM	R22975
Surr: BFB	114	80-120		%REC	1	12/6/2014 1:56:31 AM	R22975
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	190	1.0	E	µg/L	1	12/6/2014 1:56:31 AM	R22975
Toluene	240	1.0	E	µg/L	1	12/6/2014 1:56:31 AM	R22975
Ethylbenzene	14	1.0		µg/L	1	12/6/2014 1:56:31 AM	R22975
Xylenes, Total	88	2.0		µg/L	1	12/6/2014 1:56:31 AM	R22975
Surr: 4-Bromofluorobenzene	116	66.6-167		%REC	1	12/6/2014 1:56:31 AM	R22975
EPA METHOD 300.0: ANIONS						Analyst: **lgp**	
Chloride	74000	5000	*	mg/L	1E	12/9/2014 1:47:32 AM	R23009
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	105000	1000	*	mg/L	1	12/8/2014 12:07:00 PM	16699

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Trip Blank
Project: BMG Llaves Landfarm
Collection Date:
Lab ID: 1412284-003
Matrix: TRIP BLANK
Received Date: 12/5/2014 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/6/2014 3:18:07 AM	R22975
Surr: BFB	90.9	80-120		%REC	1	12/6/2014 3:18:07 AM	R22975
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	12/8/2014 3:06:01 PM	R22998
Toluene	ND	1.0		µg/L	1	12/8/2014 3:06:01 PM	R22998
Ethylbenzene	ND	1.0		µg/L	1	12/8/2014 3:06:01 PM	R22998
Xylenes, Total	ND	2.0		µg/L	1	12/8/2014 3:06:01 PM	R22998
Surr: 4-Bromofluorobenzene	111	66.6-167		%REC	1	12/8/2014 3:06:01 PM	R22998

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412284**

18-Dec-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R23009**	RunNo: **23009**
Prep Date:	Analysis Date: **12/8/2014**	SeqNo: **679830** 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: **R23009**	RunNo: **23009**
Prep Date:	Analysis Date: **12/8/2014**	SeqNo: **679831** 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	97.0	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412284**

18-Dec-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**MB-16662**	SampType:	**MBLK**		TestCode:	**EPA Method 8015D: Diesel Range**				
Client ID:	**PBW**	Batch ID:	**16662**		RunNo:	**22956**				
Prep Date:	**12/4/2014**	Analysis Date:	**12/5/2014**		SeqNo:	**678784**	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	0.92		1.000		92.2	59	141			

Sample ID	**LCS-16662**	SampType:	**LCS**		TestCode:	**EPA Method 8015D: Diesel Range**				
Client ID:	**LCSW**	Batch ID:	**16662**		RunNo:	**22956**				
Prep Date:	**12/4/2014**	Analysis Date:	**12/5/2014**		SeqNo:	**678796**	Units:	**mg/L**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	6.4	1.0	5.000	0	128	69.7	142			
Surr: DNOP	0.58		0.5000		117	59	141			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412284**

18-Dec-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBW**	Batch ID: **R22975**	RunNo: **22975**
Prep Date:	Analysis Date: **12/5/2014**	SeqNo: **678571** 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	18		20.00		89.0	80	120			

Sample ID **2.5UG GRO LCS**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSW**	Batch ID: **R22975**	RunNo: **22975**
Prep Date:	Analysis Date: **12/5/2014**	SeqNo: **678572** 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	95.1	80	120			
Surr: BFB	20		20.00		98.5	80	120			

Sample ID **1412284-002AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **EVAP Pond S-1**	Batch ID: **R22975**	RunNo: **22975**
Prep Date:	Analysis Date: **12/6/2014**	SeqNo: **678582** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	1.6	0.050	0.5000	1.195	72.5	70.4	127			
Surr: BFB	23		20.00		116	80	120			

Sample ID **1412284-002AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **EVAP Pond S-1**	Batch ID: **R22975**	RunNo: **22975**
Prep Date:	Analysis Date: **12/6/2014**	SeqNo: **678583** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	1.6	0.050	0.5000	1.195	74.8	70.4	127	0.742	20	
Surr: BFB	24		20.00		119	80	120	0	0	

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBW**	Batch ID: **R22998**	RunNo: **22998**
Prep Date:	Analysis Date: **12/8/2014**	SeqNo: **679351** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	18		20.00		88.9	80	120			

Sample ID **2.5UG GRO LCS**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSW**	Batch ID: **R22998**	RunNo: **22998**
Prep Date:	Analysis Date: **12/8/2014**	SeqNo: **679352** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	19		20.00		94.3	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412284**

18-Dec-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBW**	Batch ID: **R22975**	RunNo: **22975**
Prep Date:	Analysis Date: **12/5/2014**	SeqNo: **678626** 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		104	66.6	167			

Sample ID **100NG BTEX LCS**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSW**	Batch ID: **R22975**	RunNo: **22975**
Prep Date:	Analysis Date: **12/5/2014**	SeqNo: **678627** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	90.9	80	120			
Toluene	18	1.0	20.00	0	92.3	80	120			
Ethylbenzene	18	1.0	20.00	0	92.0	80	120			
Xylenes, Total	59	2.0	60.00	0	98.7	80	120			
Surr: 4-Bromofluorobenzene	21		20.00		103	66.6	167			

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBW**	Batch ID: **R22998**	RunNo: **22998**
Prep Date:	Analysis Date: **12/8/2014**	SeqNo: **679367** 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		105	66.6	167			

Sample ID **100NG BTEX LCS**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSW**	Batch ID: **R22998**	RunNo: **22998**
Prep Date:	Analysis Date: **12/8/2014**	SeqNo: **679368** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	109	80	120			
Toluene	22	1.0	20.00	0	111	80	120			
Ethylbenzene	22	1.0	20.00	0	111	80	120			
Xylenes, Total	67	2.0	60.00	0	112	80	120			
Surr: 4-Bromofluorobenzene	23		20.00		114	66.6	167			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412284**

18-Dec-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**5ML RB**	SampType:	**MBLK**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**PBW**	Batch ID:	**R23036**	RunNo:	**23036**					
Prep Date:		Analysis Date:	**12/9/2014**	SeqNo:	**680522**	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		107	66.6	167			

Sample ID	**100NG BTEX LCS**	SampType:	**LCS**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**LCSW**	Batch ID:	**R23036**	RunNo:	**23036**					
Prep Date:		Analysis Date:	**12/9/2014**	SeqNo:	**680523**	Units:	**µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	99.4	80	120			
Toluene	20	1.0	20.00	0	101	80	120			
Ethylbenzene	21	1.0	20.00	0	103	80	120			
Xylenes, Total	63	2.0	60.00	0	105	80	120			
Surr: 4-Bromofluorobenzene	22		20.00		110	66.6	167			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412284**

18-Dec-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**MB-16699**	SampType:	**MBLK**	TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**PBW**	Batch ID:	**16699**	RunNo:	**22980**					
Prep Date:	**12/7/2014**	Analysis Date:	**12/8/2014**	SeqNo:	**678811**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	**LCS-16699**	SampType:	**LCS**	TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**LCSW**	Batch ID:	**16699**	RunNo:	**22980**					
Prep Date:	**12/7/2014**	Analysis Date:	**12/8/2014**	SeqNo:	**678812**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1020	20.0	1000	0	102	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1412284** RcptNo: **1**

Received by/date: 12/05/14

Logged By: **Lindsay Mangin** 12/5/2014 7:45:00 AM

Completed By: **Lindsay Mangin** 12/5/2014 9:16:35 AM

Reviewed By: 12/05/14

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by:

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.7	Good	Yes			

Chain-of-Custody Record

Client:	**Animas Environmental Services**
Mailing Address:	**604 W. Pinon Street** **Farmington, NM 87401**
Phone #:	**505-564-2281**
email or Fax#:	shinds@animasenvironmental.com
QA/QC Package:	**X** Standard ☐ Level 4 (Full Validation)
Accreditation:	☐ NELAP ☐ Other _____
☐ EDD (Type)	_____

Turn-Around Time: **X** Standard ☐ Rush_____

Project Name: BMG Llaves Landfarm

Project #: **AES 040605**

Project Manager: **Stephanie Hinds**

Sampler: Sam Glasscock

On Ice: X Yes ☐ No

Sample Temperature: 2.7

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 8

Tel. 505-345-3975 Fax 505-345-410

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1412284	BTEX 8021	TPH (GRO/DRO) 8015	TDS SM2540C	Chlorides 300.0						Air Bubbles (Y or N)
12/3/2014	1115	H2O	Interstitial Well S-1	DD 2 ~~X~~ 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	DD 2 X HCl 2-Non	-001	X	X	X	X						
12/3/2014	1130	H2O	EVAP Pond S-1	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3 X HCl 2-Non	-002	X	X	X	X						
			TRIP BLANK	2 VOA	HCl	-003	X									

12/05/14

Date: 12/4/14	Time: 1753	Relinquished by:	Received by:	Date 12/4/14	Time 1753
Date: 12/4/14	Time: 1844	Relinquished by:	Received by:	Date 12/05/14	Time 0745

Remarks: Call if questions.

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

December 18, 2014

Stephanie Hinds
Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG Llaves Landfarm OrderNo.: 1412287

Dear Stephanie Hinds:

Hall Environmental Analysis Laboratory received 17 sample(s) on 12/5/2014 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 qualifers 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 #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-1
Project: BMG Llaves Landfarm
Collection Date: 12/2/2014 2:42:00 PM
Lab ID: 1412287-001 **Matrix:** AQUEOUS **Received Date:** 12/5/2014 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE						Analyst: **BCN**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/5/2014 9:28:02 PM	16662
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/5/2014 9:28:02 PM	16662
Surr: DNOP	99.4	59-141		%REC	1	12/5/2014 9:28:02 PM	16662
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/8/2014 3:33:17 PM	R22998
Surr: BFB	92.9	80-120		%REC	1	12/8/2014 3:33:17 PM	R22998
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	12/8/2014 3:33:17 PM	R22998
Toluene	ND	1.0		µg/L	1	12/8/2014 3:33:17 PM	R22998
Ethylbenzene	ND	1.0		µg/L	1	12/8/2014 3:33:17 PM	R22998
Xylenes, Total	ND	2.0		µg/L	1	12/8/2014 3:33:17 PM	R22998
Surr: 4-Bromofluorobenzene	111	66.6-167		%REC	1	12/8/2014 3:33:17 PM	R22998
EPA METHOD 300.0: ANIONS						Analyst: **lgp**	
Chloride	14	0.50		mg/L	1	12/6/2014 12:19:51 AM	R22979
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	660	200	*	mg/L	1	12/9/2014 12:17:00 PM	16700

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-2
Project: BMG Llaves Landfarm
Collection Date: 12/2/2014 2:20:00 PM
Lab ID: 1412287-002
Matrix: AQUEOUS
Received Date: 12/5/2014 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE						Analyst:	**BCN**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/5/2014 9:57:15 PM	16662
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/5/2014 9:57:15 PM	16662
Surr: DNOP	104	59-141		%REC	1	12/5/2014 9:57:15 PM	16662
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/8/2014 4:54:57 PM	R22998
Surr: BFB	93.8	80-120		%REC	1	12/8/2014 4:54:57 PM	R22998
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	1.0		µg/L	1	12/8/2014 4:54:57 PM	R22998
Toluene	ND	1.0		µg/L	1	12/8/2014 4:54:57 PM	R22998
Ethylbenzene	ND	1.0		µg/L	1	12/8/2014 4:54:57 PM	R22998
Xylenes, Total	ND	2.0		µg/L	1	12/8/2014 4:54:57 PM	R22998
Surr: 4-Bromofluorobenzene	114	66.6-167		%REC	1	12/8/2014 4:54:57 PM	R22998
EPA METHOD 300.0: ANIONS						Analyst:	**lgp**
Chloride	34	10		mg/L	20	12/6/2014 1:21:53 AM	R22979
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**KS**
Total Dissolved Solids	780	200	*	mg/L	1	12/9/2014 12:17:00 PM	16700

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-3
Project: BMG Llaves Landfarm
Collection Date: 12/2/2014 11:35:00 AM
Lab ID: 1412287-003
Matrix: AQUEOUS
Received Date: 12/5/2014 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE						Analyst: **BCN**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/5/2014 10:26:31 PM	16662
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/5/2014 10:26:31 PM	16662
Surr: DNOP	99.7	59-141		%REC	1	12/5/2014 10:26:31 PM	16662
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/8/2014 8:06:05 PM	R22998
Surr: BFB	91.6	80-120		%REC	1	12/8/2014 8:06:05 PM	R22998
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	12/8/2014 8:06:05 PM	R22998
Toluene	ND	1.0		µg/L	1	12/8/2014 8:06:05 PM	R22998
Ethylbenzene	ND	1.0		µg/L	1	12/8/2014 8:06:05 PM	R22998
Xylenes, Total	ND	2.0		µg/L	1	12/8/2014 8:06:05 PM	R22998
Surr: 4-Bromofluorobenzene	111	66.6-167		%REC	1	12/8/2014 8:06:05 PM	R22998
EPA METHOD 300.0: ANIONS						Analyst: **lgp**	
Chloride	21	10		mg/L	20	12/6/2014 1:46:41 AM	R22979
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	580	40.0	*	mg/L	1	12/9/2014 12:17:00 PM	16700

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-4
Project: BMG Llaves Landfarm
Collection Date: 12/2/2014 12:25:00 PM
Lab ID: 1412287-004
Matrix: AQUEOUS
Received Date: 12/5/2014 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE						Analyst: **BCN**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/5/2014 10:56:00 PM	16662
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/5/2014 10:56:00 PM	16662
Surr: DNOP	102	59-141		%REC	1	12/5/2014 10:56:00 PM	16662
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.10		mg/L	2	12/8/2014 8:33:21 PM	R22998
Surr: BFB	92.7	80-120		%REC	2	12/8/2014 8:33:21 PM	R22998
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	2.0		µg/L	2	12/8/2014 8:33:21 PM	R22998
Toluene	ND	2.0		µg/L	2	12/8/2014 8:33:21 PM	R22998
Ethylbenzene	ND	2.0		µg/L	2	12/8/2014 8:33:21 PM	R22998
Xylenes, Total	ND	4.0		µg/L	2	12/8/2014 8:33:21 PM	R22998
Surr: 4-Bromofluorobenzene	111	66.6-167		%REC	2	12/8/2014 8:33:21 PM	R22998
EPA METHOD 300.0: ANIONS						Analyst: **lgp**	
Chloride	21	10		mg/L	20	12/6/2014 2:11:31 AM	R22979
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	770	200	*	mg/L	1	12/9/2014 12:17:00 PM	16700

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: TZ-Cell #1
Project: BMG Llaves Landfarm
Collection Date: 12/2/2014 2:45:00 PM
Lab ID: 1412287-005 **Matrix:** SOIL **Received Date:** 12/5/2014 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**	
Diesel Range Organics (DRO)	4500	100		mg/Kg	10	12/9/2014 12:11:02 PM	16709
Motor Oil Range Organics (MRO)	5700	510		mg/Kg	10	12/9/2014 12:11:02 PM	16709
Surr: DNOP	0	63.5-128	S	%REC	10	12/9/2014 12:11:02 PM	16709
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	150	4.8		mg/Kg	1	12/8/2014 10:09:41 PM	16689
Surr: BFB	1070	80-120	S	%REC	1	12/8/2014 10:09:41 PM	16689
EPA METHOD 300.0: ANIONS						Analyst: **lgp**	
Chloride	56	7.5		mg/Kg	5	12/8/2014 2:49:34 PM	16713

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: TZ-Cell #2
Project: BMG Llaves Landfarm
Collection Date: 12/2/2014 2:30:00 PM
Lab ID: 1412287-006
Matrix: SOIL
Received Date: 12/5/2014 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**	
Diesel Range Organics (DRO)	1400	100		mg/Kg	10	12/9/2014 12:41:31 PM	16709
Motor Oil Range Organics (MRO)	1200	500		mg/Kg	10	12/9/2014 12:41:31 PM	16709
Surr: DNOP	0	63.5-128	S	%REC	10	12/9/2014 12:41:31 PM	16709
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	6.2	4.8		mg/Kg	1	12/8/2014 10:38:19 PM	16689
Surr: BFB	132	80-120	S	%REC	1	12/8/2014 10:38:19 PM	16689
EPA METHOD 300.0: ANIONS						Analyst: **lgp**	
Chloride	13	1.5		mg/Kg	1	12/8/2014 4:04:04 PM	16713

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: TZ-Cell #3
Project: BMG Llaves Landfarm
Collection Date: 12/2/2014 2:15:00 PM
Lab ID: 1412287-007 **Matrix:** SOIL **Received Date:** 12/5/2014 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**	
Diesel Range Organics (DRO)	450	99		mg/Kg	10	12/9/2014 1:11:47 PM	16709
Motor Oil Range Organics (MRO)	640	500		mg/Kg	10	12/9/2014 1:11:47 PM	16709
Surr: DNOP	0	63.5-128	S	%REC	10	12/9/2014 1:11:47 PM	16709
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/8/2014 11:06:54 PM	16689
Surr: BFB	93.4	80-120		%REC	1	12/8/2014 11:06:54 PM	16689
EPA METHOD 300.0: ANIONS						Analyst: **lgp**	
Chloride	10	7.5		mg/Kg	5	12/8/2014 4:28:53 PM	16713

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: TZ-Cell #4
Project: BMG Llaves Landfarm
Collection Date: 12/2/2014 1:30:00 PM
Lab ID: 1412287-008 **Matrix:** SOIL **Received Date:** 12/5/2014 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**	
Diesel Range Organics (DRO)	130	10		mg/Kg	1	12/10/2014 1:13:26 PM	16709
Motor Oil Range Organics (MRO)	190	50		mg/Kg	1	12/10/2014 1:13:26 PM	16709
Surr: DNOP	80.4	63.5-128		%REC	1	12/10/2014 1:13:26 PM	16709
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/8/2014 11:35:30 PM	16689
Surr: BFB	94.1	80-120		%REC	1	12/8/2014 11:35:30 PM	16689
EPA METHOD 300.0: ANIONS						Analyst: **lgp**	
Chloride	29	7.5		mg/Kg	5	12/8/2014 4:53:44 PM	16713

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #3 S-1
Project: BMG Llaves Landfarm
Collection Date: 12/3/2014 11:30:00 AM
Lab ID: 1412287-009
Matrix: SOIL
Received Date: 12/5/2014 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	12/8/2014 4:25:56 PM	16689
Toluene	ND	0.047		mg/Kg	1	12/8/2014 4:25:56 PM	16689
Ethylbenzene	ND	0.047		mg/Kg	1	12/8/2014 4:25:56 PM	16689
Xylenes, Total	ND	0.093		mg/Kg	1	12/8/2014 4:25:56 PM	16689
Surr: 4-Bromofluorobenzene	98.3	80-120		%REC	1	12/8/2014 4:25:56 PM	16689
EPA METHOD 300.0: ANIONS						Analyst: **lgp**	
Chloride	ND	1.5		mg/Kg	1	12/8/2014 5:18:33 PM	16713
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	12/9/2014 12:00:00 PM	16690

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #3 S-2
Project: BMG Llaves Landfarm
Collection Date: 12/3/2014 11:45:00 AM
Lab ID: 1412287-010
Matrix: SOIL
Received Date: 12/5/2014 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	12/8/2014 4:54:38 PM	16689
Toluene	ND	0.047		mg/Kg	1	12/8/2014 4:54:38 PM	16689
Ethylbenzene	ND	0.047		mg/Kg	1	12/8/2014 4:54:38 PM	16689
Xylenes, Total	ND	0.095		mg/Kg	1	12/8/2014 4:54:38 PM	16689
Surr: 4-Bromofluorobenzene	99.2	80-120		%REC	1	12/8/2014 4:54:38 PM	16689
EPA METHOD 300.0: ANIONS						Analyst: **lgp**	
Chloride	1.7	1.5		mg/Kg	1	12/8/2014 6:08:12 PM	16713
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	12/9/2014 12:00:00 PM	16690

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #3 S-3
Project: BMG Llaves Landfarm
Collection Date: 12/3/2014 12:15:00 PM
Lab ID: 1412287-011
Matrix: SOIL
Received Date: 12/5/2014 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	12/8/2014 5:23:20 PM	16689
Toluene	ND	0.047		mg/Kg	1	12/8/2014 5:23:20 PM	16689
Ethylbenzene	ND	0.047		mg/Kg	1	12/8/2014 5:23:20 PM	16689
Xylenes, Total	ND	0.093		mg/Kg	1	12/8/2014 5:23:20 PM	16689
Surr: 4-Bromofluorobenzene	98.3	80-120		%REC	1	12/8/2014 5:23:20 PM	16689
EPA METHOD 300.0: ANIONS						Analyst: **lgp**	
Chloride	6.1	1.5		mg/Kg	1	12/8/2014 6:33:02 PM	16713
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	12/9/2014 12:00:00 PM	16690

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #3 S-4
Project: BMG Llaves Landfarm
Collection Date: 12/3/2014 12:30:00 PM
Lab ID: 1412287-012
Matrix: SOIL
Received Date: 12/5/2014 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	12/8/2014 5:52:01 PM	16689
Toluene	ND	0.048		mg/Kg	1	12/8/2014 5:52:01 PM	16689
Ethylbenzene	ND	0.048		mg/Kg	1	12/8/2014 5:52:01 PM	16689
Xylenes, Total	ND	0.096		mg/Kg	1	12/8/2014 5:52:01 PM	16689
Surr: 4-Bromofluorobenzene	98.2	80-120		%REC	1	12/8/2014 5:52:01 PM	16689
EPA METHOD 300.0: ANIONS						Analyst: **lgp**	
Chloride	1.6	1.5		mg/Kg	1	12/8/2014 6:57:52 PM	16713
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	12/9/2014 12:00:00 PM	16690

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #4 S-1
Project: BMG Llaves Landfarm
Collection Date: 12/3/2014 9:45:00 AM
Lab ID: 1412287-013
Matrix: SOIL
Received Date: 12/5/2014 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	12/8/2014 6:20:39 PM	16689
Toluene	ND	0.048		mg/Kg	1	12/8/2014 6:20:39 PM	16689
Ethylbenzene	ND	0.048		mg/Kg	1	12/8/2014 6:20:39 PM	16689
Xylenes, Total	ND	0.096		mg/Kg	1	12/8/2014 6:20:39 PM	16689
Surr: 4-Bromofluorobenzene	99.5	80-120		%REC	1	12/8/2014 6:20:39 PM	16689
EPA METHOD 300.0: ANIONS						Analyst: **lgp**	
Chloride	5.7	1.5		mg/Kg	1	12/8/2014 7:22:42 PM	16713
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	12/9/2014 12:00:00 PM	16690

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #4 S-2
Project: BMG Llaves Landfarm
Collection Date: 12/3/2014 10:00:00 AM
Lab ID: 1412287-014
Matrix: SOIL
Received Date: 12/5/2014 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.049		mg/Kg	1	12/8/2014 6:49:19 PM	16689
Toluene	ND	0.049		mg/Kg	1	12/8/2014 6:49:19 PM	16689
Ethylbenzene	ND	0.049		mg/Kg	1	12/8/2014 6:49:19 PM	16689
Xylenes, Total	ND	0.098		mg/Kg	1	12/8/2014 6:49:19 PM	16689
Surr: 4-Bromofluorobenzene	99.1	80-120		%REC	1	12/8/2014 6:49:19 PM	16689
EPA METHOD 300.0: ANIONS						Analyst: **lgp**	
Chloride	13	7.5		mg/Kg	5	12/10/2014 12:27:19 PM	16758
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	12/9/2014 12:00:00 PM	16690

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #4 S-3
Project: BMG Llaves Landfarm
Collection Date: 12/3/2014 11:00:00 AM
Lab ID: 1412287-015
Matrix: SOIL
Received Date: 12/5/2014 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	12/8/2014 7:17:54 PM	16689
Toluene	ND	0.048		mg/Kg	1	12/8/2014 7:17:54 PM	16689
Ethylbenzene	ND	0.048		mg/Kg	1	12/8/2014 7:17:54 PM	16689
Xylenes, Total	ND	0.095		mg/Kg	1	12/8/2014 7:17:54 PM	16689
Surr: 4-Bromofluorobenzene	99.8	80-120		%REC	1	12/8/2014 7:17:54 PM	16689
EPA METHOD 300.0: ANIONS						Analyst: **lgp**	
Chloride	2.3	1.5		mg/Kg	1	12/10/2014 1:16:58 PM	16758
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	12/9/2014 12:00:00 PM	16690

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ-Cell #4 S-4
Project: BMG Llaves Landfarm
Collection Date: 12/3/2014 10:45:00 AM
Lab ID: 1412287-016
Matrix: SOIL
Received Date: 12/5/2014 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.049		mg/Kg	1	12/8/2014 7:46:29 PM	16689
Toluene	ND	0.049		mg/Kg	1	12/8/2014 7:46:29 PM	16689
Ethylbenzene	ND	0.049		mg/Kg	1	12/8/2014 7:46:29 PM	16689
Xylenes, Total	ND	0.098		mg/Kg	1	12/8/2014 7:46:29 PM	16689
Surr: 4-Bromofluorobenzene	98.8	80-120		%REC	1	12/8/2014 7:46:29 PM	16689
EPA METHOD 300.0: ANIONS						Analyst: **lgp**	
Chloride	4.1	1.5		mg/Kg	1	12/10/2014 1:41:46 PM	16758
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	12/9/2014 12:00:00 PM	16690

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Trip Blank
Project: BMG Llaves Landfarm
Collection Date:
Lab ID: 1412287-017
Matrix: TRIP BLANK
Received Date: 12/5/2014 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/8/2014 9:00:34 PM	R22998
Surr: BFB	91.9	80-120		%REC	1	12/8/2014 9:00:34 PM	R22998
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	12/8/2014 9:00:34 PM	R22998
Toluene	ND	1.0		µg/L	1	12/8/2014 9:00:34 PM	R22998
Ethylbenzene	ND	1.0		µg/L	1	12/8/2014 9:00:34 PM	R22998
Xylenes, Total	ND	2.0		µg/L	1	12/8/2014 9:00:34 PM	R22998
Surr: 4-Bromofluorobenzene	108	66.6-167		%REC	1	12/8/2014 9:00:34 PM	R22998

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412287**

18-Dec-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**MB-16713**	SampType:	**MBLK**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**PBS**	Batch ID:	**16713**		RunNo:	**23009**				
Prep Date:	**12/8/2014**	Analysis Date:	**12/8/2014**		SeqNo:	**679787**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-16713**	SampType:	**LCS**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**LCSS**	Batch ID:	**16713**		RunNo:	**23009**				
Prep Date:	**12/8/2014**	Analysis Date:	**12/8/2014**		SeqNo:	**679788**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.4	90	110			

Sample ID	**1412287-005AMS**	SampType:	**MS**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**TZ-Cell #1**	Batch ID:	**16713**		RunNo:	**23009**				
Prep Date:	**12/8/2014**	Analysis Date:	**12/8/2014**		SeqNo:	**679810**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	67	7.5	15.00	56.46	67.5	71.6	122			S

Sample ID	**1412287-005AMSD**	SampType:	**MSD**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**TZ-Cell #1**	Batch ID:	**16713**		RunNo:	**23009**				
Prep Date:	**12/8/2014**	Analysis Date:	**12/8/2014**		SeqNo:	**679811**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	76	7.5	15.00	56.46	128	71.6	122	12.8	20	S

Sample ID	**MB-16758**	SampType:	**MBLK**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**PBS**	Batch ID:	**16758**		RunNo:	**23071**				
Prep Date:	**12/10/2014**	Analysis Date:	**12/10/2014**		SeqNo:	**681701**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-16758**	SampType:	**LCS**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**LCSS**	Batch ID:	**16758**		RunNo:	**23071**				
Prep Date:	**12/10/2014**	Analysis Date:	**12/10/2014**		SeqNo:	**681702**	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.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412287**

18-Dec-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**1412287-014AMS**	SampType:	**MS**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**VZ-Cell #4 S-2**	Batch ID:	**16758**		RunNo:	**23071**				
Prep Date:	**12/10/2014**	Analysis Date:	**12/10/2014**		SeqNo:	**681704**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	26	7.5	15.00	12.60	92.0	71.6	122			

Sample ID	**1412287-014AMSD**	SampType:	**MSD**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**VZ-Cell #4 S-2**	Batch ID:	**16758**		RunNo:	**23071**				
Prep Date:	**12/10/2014**	Analysis Date:	**12/10/2014**		SeqNo:	**681705**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	26	7.5	15.00	12.60	91.2	71.6	122	0.472	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412287**

18-Dec-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**MB**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R22979**	RunNo:	**22979**					
Prep Date:		Analysis Date:	**12/5/2014**	SeqNo:	**678692**	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:	**R22979**	RunNo:	**22979**					
Prep Date:		Analysis Date:	**12/5/2014**	SeqNo:	**678693**	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	95.1	90	110			

Sample ID	**MB**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R22979**	RunNo:	**22979**					
Prep Date:		Analysis Date:	**12/5/2014**	SeqNo:	**678746**	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:	**R22979**	RunNo:	**22979**					
Prep Date:		Analysis Date:	**12/5/2014**	SeqNo:	**678747**	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	93.0	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412287**

18-Dec-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**MB-16690**	SampType:	**MBLK**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**PBS**	Batch ID:	**16690**	RunNo:	**23022**					
Prep Date:	**12/5/2014**	Analysis Date:	**12/9/2014**	SeqNo:	**680124**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	**LCS-16690**	SampType:	**LCS**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS**	Batch ID:	**16690**	RunNo:	**23022**					
Prep Date:	**12/5/2014**	Analysis Date:	**12/9/2014**	SeqNo:	**680125**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	110	20	100.0	0	106	80	120			

Sample ID	**LCSD-16690**	SampType:	**LCSD**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS02**	Batch ID:	**16690**	RunNo:	**23022**					
Prep Date:	**12/5/2014**	Analysis Date:	**12/9/2014**	SeqNo:	**680126**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	120	20	100.0	0	118	80	120	10.8	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412287**

18-Dec-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**MB-16709**	SampType:	**MBLK**		TestCode:	**EPA Method 8015D: Diesel Range Organics**				
Client ID:	**PBS**	Batch ID:	**16709**		RunNo:	**22978**				
Prep Date:	**12/8/2014**	Analysis Date:	**12/8/2014**		SeqNo:	**678888**	Units:	**mg/Kg**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	6.8		10.00		68.1	63.5	128			

Sample ID	**LCS-16709**	SampType:	**LCS**		TestCode:	**EPA Method 8015D: Diesel Range Organics**				
Client ID:	**LCSS**	Batch ID:	**16709**		RunNo:	**22978**				
Prep Date:	**12/8/2014**	Analysis Date:	**12/8/2014**		SeqNo:	**678889**	Units:	**mg/Kg**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.3	68.6	130			
Surr: DNOP	3.9		5.000		78.4	63.5	128			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412287**

18-Dec-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**MB-16662**	SampType:	**MBLK**		TestCode:	**EPA Method 8015D: Diesel Range**				
Client ID:	**PBW**	Batch ID:	**16662**		RunNo:	**22956**				
Prep Date:	**12/4/2014**	Analysis Date:	**12/5/2014**		SeqNo:	**678784**	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	0.92		1.000		92.2	59	141			

Sample ID	**LCS-16662**	SampType:	**LCS**		TestCode:	**EPA Method 8015D: Diesel Range**				
Client ID:	**LCSW**	Batch ID:	**16662**		RunNo:	**22956**				
Prep Date:	**12/4/2014**	Analysis Date:	**12/5/2014**		SeqNo:	**678796**	Units:	**mg/L**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	6.4	1.0	5.000	0	128	69.7	142			
Surr: DNOP	0.58		0.5000		117	59	141			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412287**

18-Dec-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID **MB-16689**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **16689**	RunNo: **22986**
Prep Date: **12/5/2014**	Analysis Date: **12/8/2014**	SeqNo: **679318** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	900		1000		89.8	80	120			

Sample ID **LCS-16689**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **16689**	RunNo: **22986**
Prep Date: **12/5/2014**	Analysis Date: **12/8/2014**	SeqNo: **679319** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	92.4	65.8	139			
Surr: BFB	980		1000		97.7	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412287**

18-Dec-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**5ML RB**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**PBW**	Batch ID:	**R22998**	RunNo:	**22998**					
Prep Date:		Analysis Date:	**12/8/2014**	SeqNo:	**679351**	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	18		20.00		88.9	80	120			

Sample ID	**2.5UG GRO LCS**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSW**	Batch ID:	**R22998**	RunNo:	**22998**					
Prep Date:		Analysis Date:	**12/8/2014**	SeqNo:	**679352**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.45	0.050	0.5000	0	90.4	80	120			
Surr: BFB	19		20.00		94.3	80	120			

Sample ID	**1412287-001AMS**	SampType:	**MS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**MW-1**	Batch ID:	**R22998**	RunNo:	**22998**					
Prep Date:		Analysis Date:	**12/8/2014**	SeqNo:	**679358**	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	94.8	70.4	127			
Surr: BFB	19		20.00		97.2	80	120			

Sample ID	**1412287-001AMSD**	SampType:	**MSD**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**MW-1**	Batch ID:	**R22998**	RunNo:	**22998**					
Prep Date:		Analysis Date:	**12/8/2014**	SeqNo:	**679359**	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	92.5	70.4	127	2.48	20	
Surr: BFB	19		20.00		97.1	80	120	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412287**

18-Dec-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**MB-16689**	SampType:	**MBLK**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**PBS**	Batch ID:	**16689**	RunNo:	**22986**					
Prep Date:	**12/5/2014**	Analysis Date:	**12/8/2014**	SeqNo:	**679332**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.98		1.000		97.9	80	120			

Sample ID	**LCS-16689**	SampType:	**LCS**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**LCSS**	Batch ID:	**16689**	RunNo:	**22986**					
Prep Date:	**12/5/2014**	Analysis Date:	**12/8/2014**	SeqNo:	**679333**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.050	1.000	0	96.0	80	120			
Toluene	0.91	0.050	1.000	0	90.9	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.3	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.8	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412287**

18-Dec-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**5ML RB**	SampType:	**MBLK**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**PBW**	Batch ID:	**R22998**	RunNo:	**22998**					
Prep Date:		Analysis Date:	**12/8/2014**	SeqNo:	**679367**	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		105	66.6	167			

Sample ID	**100NG BTEX LCS**	SampType:	**LCS**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**LCSW**	Batch ID:	**R22998**	RunNo:	**22998**					
Prep Date:		Analysis Date:	**12/8/2014**	SeqNo:	**679368**	Units:	**µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	109	80	120			
Toluene	22	1.0	20.00	0	111	80	120			
Ethylbenzene	22	1.0	20.00	0	111	80	120			
Xylenes, Total	67	2.0	60.00	0	112	80	120			
Surr: 4-Bromofluorobenzene	23		20.00		114	66.6	167			

Sample ID	**1412287-002AMS**	SampType:	**MS**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**MW-2**	Batch ID:	**R22998**	RunNo:	**22998**					
Prep Date:		Analysis Date:	**12/8/2014**	SeqNo:	**679379**	Units:	**µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	98.7	80	120			
Toluene	21	1.0	20.00	0.3560	101	80	120			
Ethylbenzene	21	1.0	20.00	0.1940	104	79.7	126			
Xylenes, Total	64	2.0	60.00	0.5240	106	80	120			
Surr: 4-Bromofluorobenzene	23		20.00		113	66.6	167			

Sample ID	**1412287-002AMSD**	SampType:	**MSD**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**MW-2**	Batch ID:	**R22998**	RunNo:	**22998**					
Prep Date:		Analysis Date:	**12/8/2014**	SeqNo:	**679380**	Units:	**µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	102	80	120	3.04	20	
Toluene	21	1.0	20.00	0.3560	103	80	120	2.19	20	
Ethylbenzene	22	1.0	20.00	0.1940	107	79.7	126	3.11	20	
Xylenes, Total	65	2.0	60.00	0.5240	108	80	120	2.02	20	
Surr: 4-Bromofluorobenzene	23		20.00		114	66.6	167	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412287**

18-Dec-14

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**MB-16700**	SampType:	**MBLK**	TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**PBW**	Batch ID:	**16700**	RunNo:	**23016**					
Prep Date:	**12/8/2014**	Analysis Date:	**12/9/2014**	SeqNo:	**680062**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	**LCS-16700**	SampType:	**LCS**	TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**LCSW**	Batch ID:	**16700**	RunNo:	**23016**					
Prep Date:	**12/8/2014**	Analysis Date:	**12/9/2014**	SeqNo:	**680063**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1030	20.0	1000	0	103	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1412287** RcptNo: **1**

Received by/date: 12/05/14

Logged By: **Lindsay Mangin** **12/5/2014 7:45:00 AM**

Completed By: **Lindsay Mangin** **12/5/2014 9:30:14 AM**

Reviewed By: 12/05/14

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by:

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.7	Good	Yes			

Chain-of-Custody Record

Client: **Animas Environmental Services**

Mailing Address: **604 W. Pinon Street**
Farmington, NM 87401

Phone #: **505-564-2281**

email or Fax#: shinds@animasenvironmental.com

QA/QC Package:
X Standard ☐ Level 4 (Full Validation)

Accreditation:
☐ NELAP ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:
X Standard ☐ **Rush**_____

Project Name:
BMG Llaves Landfarm

Project #:
AES 040605

Project Manager:
Stephanie Hinds

Sampler: Stephanie Hinds / Dylan Davis

On Ice: X Yes ☐ No

Sample Temperature: 2.7

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1412287	BTEX 8021	TPH (GRO/DRO/MRO) 8015	TDS SM2540C	Chlorides 300.0	TPH 418.1						Air Bubbles (Y or N)
12/2/2014	14:42	H2O	MW-1	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-001	X	X	X	X							
12/2/2014	14:20	H2O	MW-2	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-002	X	X	X	X							
12/2/2014	11:35	H2O	MW-3	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-003	X	X	X	X							
12/2/2014	12:25	H2O	MW-4	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-004	X	X	X	X							
12/2/2014	1445	Soil	TZ-Cell #1	8oz glass Jar	Cool	-005		X		X							
"	1430	Soil	TZ-Cell #2	"	Cool	-006		X		X							
"	1415	Soil	TZ-Cell #3	"	Cool	-007		X		X							
"	1330	Soil	TZ-Cell #4	"	Cool	-008		X		X							

Received: 12/05/14 0745

Chain-of-Custody Record

Client: **Animas Environmental Services**

Mailing Address: **604 W. Pinon Street**
Farmington, NM 87401

Phone #: **505-564-2281**

email or Fax#: shinds@animasenvironmental.com

QA/QC Package:
X Standard □ Level 4 (Full Validation)

Accreditation:
□ NELAP □ Other_____

□ EDD (Type) _____

Turn-Around Time:
X Standard □ **Rush**_____

Project Name:
BMG Llaves Landfarm

Project #:
AES 040605

Project Manager:
Stephanie Hinds

Sampler: Dylan Davis

On Ice: X Yes □ No

Sample Temperature: 2.7

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1412287	BTEX 8021	TPH (GRO/DRO/MRO) 8015	TDS SM2540C	Chlorides 300.0	TPH 418.1						Air Bubbles (Y or N)
12/3/14	1130	Soil	VZ-Cell #3 S-1	8oz glass Jar	Cool	-009	X			X	X						
12/3/14	1145 DD	Soil	VZ-Cell #3 S-2	8oz glass Jar	Cool	-010	X			X	X						
12/3/14	1215	Soil	VZ-Cell #3 S-3	8oz glass Jar	Cool	-011	X			X	X						
12/3/14	1230	Soil	VZ-Cell #3 S-4	8oz glass Jar	Cool	-012	X			X	X						
12/3/14	0945	Soil	VZ-Cell #4 S-1	8oz glass Jar	Cool	-013	X			X	X						
12/3/14	1000	Soil	VZ-Cell #4 S-2	8oz glass Jar	Cool	-014	X			X	X						
12/3/14	1100	Soil	VZ-Cell #4 S-3	8oz glass Jar	Cool	-015	X			X	X						
12/3/14	1045	Soil	VZ-Cell #4 S-4	8oz glass Jar	Cool	-016	X			X	X						
		H2O	Trip Blank	2-40ml glass	Cold/HCl	-017	X	X-GRO									

Date:	Time:	Relinquished by:	Received by:	Date	Time
12/4/14	1753	Dylan	[illegible]	12/4/14	1753
12/4/14	1844	[illegible]	[illegible]	12/05/14	0745

Remarks: Call if questions.

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

December 22, 2014

Stephanie Hinds
Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG Landfarm OrderNo.: 1412529

Dear Stephanie Hinds:

Hall Environmental Analysis Laboratory received 8 sample(s) on 12/11/2014 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 qualifers 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 #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1412529**
Date Reported: **12/22/2014**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1VZ-S1
Project: BMG Landfarm
Collection Date: 12/9/2014 11:30:00 AM
Lab ID: 1412529-001
Matrix: SOIL
Received Date: 12/11/2014 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.049		mg/Kg	1	12/12/2014 4:28:16 PM	16779
Toluene	ND	0.049		mg/Kg	1	12/12/2014 4:28:16 PM	16779
Ethylbenzene	ND	0.049		mg/Kg	1	12/12/2014 4:28:16 PM	16779
Xylenes, Total	ND	0.098		mg/Kg	1	12/12/2014 4:28:16 PM	16779
Surr: 4-Bromofluorobenzene	101	80-120		%REC	1	12/12/2014 4:28:16 PM	16779
EPA METHOD 300.0: ANIONS						Analyst: **lgp**	
Chloride	ND	30		mg/Kg	20	12/16/2014 7:11:20 PM	16851
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	12/15/2014	16776

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ-S2
Project: BMG Landfarm
Collection Date: 12/9/2014 12:00:00 PM
Lab ID: 1412529-002
Matrix: SOIL
Received Date: 12/11/2014 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.049		mg/Kg	1	12/12/2014 4:56:57 PM	16779
Toluene	ND	0.049		mg/Kg	1	12/12/2014 4:56:57 PM	16779
Ethylbenzene	ND	0.049		mg/Kg	1	12/12/2014 4:56:57 PM	16779
Xylenes, Total	ND	0.098		mg/Kg	1	12/12/2014 4:56:57 PM	16779
Surr: 4-Bromofluorobenzene	99.8	80-120		%REC	1	12/12/2014 4:56:57 PM	16779
EPA METHOD 300.0: ANIONS						Analyst: **lgp**	
Chloride	ND	30		mg/Kg	20	12/16/2014 7:23:45 PM	16851
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	12/15/2014	16776

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ-S3
Project: BMG Landfarm
Collection Date: 12/9/2014 12:15:00 PM
Lab ID: 1412529-003
Matrix: SOIL
Received Date: 12/11/2014 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.049		mg/Kg	1	12/12/2014 5:25:34 PM	16779
Toluene	ND	0.049		mg/Kg	1	12/12/2014 5:25:34 PM	16779
Ethylbenzene	ND	0.049		mg/Kg	1	12/12/2014 5:25:34 PM	16779
Xylenes, Total	ND	0.097		mg/Kg	1	12/12/2014 5:25:34 PM	16779
Surr: 4-Bromofluorobenzene	98.3	80-120		%REC	1	12/12/2014 5:25:34 PM	16779
EPA METHOD 300.0: ANIONS						Analyst: **lgp**	
Chloride	ND	30		mg/Kg	20	12/16/2014 7:36:09 PM	16851
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	12/15/2014	16776

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ-S4
Project: BMG Landfarm
Collection Date: 12/9/2014 12:30:00 PM
Lab ID: 1412529-004
Matrix: SOIL
Received Date: 12/11/2014 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.050		mg/Kg	1	12/12/2014 5:54:14 PM	16779
Toluene	ND	0.050		mg/Kg	1	12/12/2014 5:54:14 PM	16779
Ethylbenzene	ND	0.050		mg/Kg	1	12/12/2014 5:54:14 PM	16779
Xylenes, Total	ND	0.099		mg/Kg	1	12/12/2014 5:54:14 PM	16779
Surr: 4-Bromofluorobenzene	95.1	80-120		%REC	1	12/12/2014 5:54:14 PM	16779
EPA METHOD 300.0: ANIONS						Analyst: **lgp**	
Chloride	110	30		mg/Kg	20	12/16/2014 7:48:34 PM	16851
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	12/15/2014	16776

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ-S1
Project: BMG Landfarm
Collection Date: 12/9/2014 9:45:00 AM
Lab ID: 1412529-005
Matrix: SOIL
Received Date: 12/11/2014 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	12/12/2014 8:17:20 PM	16779
Toluene	ND	0.047		mg/Kg	1	12/12/2014 8:17:20 PM	16779
Ethylbenzene	ND	0.047		mg/Kg	1	12/12/2014 8:17:20 PM	16779
Xylenes, Total	ND	0.094		mg/Kg	1	12/12/2014 8:17:20 PM	16779
Surr: 4-Bromofluorobenzene	96.2	80-120		%REC	1	12/12/2014 8:17:20 PM	16779
EPA METHOD 300.0: ANIONS						Analyst: **lgp**	
Chloride	ND	30		mg/Kg	20	12/16/2014 8:00:58 PM	16851
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	12/15/2014	16776

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ-S2
Project: BMG Landfarm
Collection Date: 12/9/2014 10:15:00 AM
Lab ID: 1412529-006
Matrix: SOIL
Received Date: 12/11/2014 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	12/12/2014 8:45:57 PM	16779
Toluene	ND	0.048		mg/Kg	1	12/12/2014 8:45:57 PM	16779
Ethylbenzene	ND	0.048		mg/Kg	1	12/12/2014 8:45:57 PM	16779
Xylenes, Total	ND	0.096		mg/Kg	1	12/12/2014 8:45:57 PM	16779
Surr: 4-Bromofluorobenzene	97.0	80-120		%REC	1	12/12/2014 8:45:57 PM	16779
EPA METHOD 300.0: ANIONS						Analyst: **lgp**	
Chloride	ND	30		mg/Kg	20	12/16/2014 8:13:23 PM	16851
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	12/15/2014	16776

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ-S3
Project: BMG Landfarm
Collection Date: 12/9/2014 10:30:00 AM
Lab ID: 1412529-007
Matrix: SOIL
Received Date: 12/11/2014 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	12/12/2014 9:14:36 PM	16779
Toluene	ND	0.048		mg/Kg	1	12/12/2014 9:14:36 PM	16779
Ethylbenzene	ND	0.048		mg/Kg	1	12/12/2014 9:14:36 PM	16779
Xylenes, Total	ND	0.095		mg/Kg	1	12/12/2014 9:14:36 PM	16779
Surr: 4-Bromofluorobenzene	97.2	80-120		%REC	1	12/12/2014 9:14:36 PM	16779
EPA METHOD 300.0: ANIONS						Analyst: **lgp**	
Chloride	ND	30		mg/Kg	20	12/18/2014 4:52:11 PM	16904
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	12/15/2014	16776

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ-S4
Project: BMG Landfarm
Collection Date: 12/9/2014 11:00:00 AM
Lab ID: 1412529-008
Matrix: SOIL
Received Date: 12/11/2014 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	12/12/2014 9:43:14 PM	16779
Toluene	ND	0.048		mg/Kg	1	12/12/2014 9:43:14 PM	16779
Ethylbenzene	ND	0.048		mg/Kg	1	12/12/2014 9:43:14 PM	16779
Xylenes, Total	ND	0.097		mg/Kg	1	12/12/2014 9:43:14 PM	16779
Surr: 4-Bromofluorobenzene	95.4	80-120		%REC	1	12/12/2014 9:43:14 PM	16779
EPA METHOD 300.0: ANIONS						Analyst: **lgp**	
Chloride	ND	30		mg/Kg	20	12/18/2014 5:29:26 PM	16904
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	12/15/2014	16776

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412529**

22-Dec-14

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-16851**	SampType:	**MBLK**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**PBS**	Batch ID:	**16851**		RunNo:	**23185**				
Prep Date:	**12/16/2014**	Analysis Date:	**12/16/2014**		SeqNo:	**684796**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-16851**	SampType:	**LCS**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**LCSS**	Batch ID:	**16851**		RunNo:	**23185**				
Prep Date:	**12/16/2014**	Analysis Date:	**12/16/2014**		SeqNo:	**684797**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.5	90	110			

Sample ID	**MB-16904**	SampType:	**MBLK**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**PBS**	Batch ID:	**16904**		RunNo:	**23255**				
Prep Date:	**12/18/2014**	Analysis Date:	**12/18/2014**		SeqNo:	**687161**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-16904**	SampType:	**LCS**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**LCSS**	Batch ID:	**16904**		RunNo:	**23255**				
Prep Date:	**12/18/2014**	Analysis Date:	**12/18/2014**		SeqNo:	**687162**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.0	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412529**

22-Dec-14

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-16776**	SampType:	**MBLK**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**PBS**	Batch ID:	**16776**	RunNo:	**23142**					
Prep Date:	**12/11/2014**	Analysis Date:	**12/15/2014**	SeqNo:	**683466**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	**LCS-16776**	SampType:	**LCS**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS**	Batch ID:	**16776**	RunNo:	**23142**					
Prep Date:	**12/11/2014**	Analysis Date:	**12/15/2014**	SeqNo:	**683467**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	110	20	100.0	0	110	80	120			

Sample ID	**LCSD-16776**	SampType:	**LCSD**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS02**	Batch ID:	**16776**	RunNo:	**23142**					
Prep Date:	**12/11/2014**	Analysis Date:	**12/15/2014**	SeqNo:	**683468**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	110	20	100.0	0	108	80	120	1.40	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412529**

22-Dec-14

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-16779**	SampType:	**MBLK**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**PBS**	Batch ID:	**16779**	RunNo:	**23100**					
Prep Date:	**12/11/2014**	Analysis Date:	**12/12/2014**	SeqNo:	**682971**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		96.5	80	120			

Sample ID	**LCS-16779**	SampType:	**LCS**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**LCSS**	Batch ID:	**16779**	RunNo:	**23100**					
Prep Date:	**12/11/2014**	Analysis Date:	**12/12/2014**	SeqNo:	**682972**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.050	1.000	0	96.0	80	120			
Toluene	0.93	0.050	1.000	0	92.9	80	120			
Ethylbenzene	0.96	0.050	1.000	0	95.6	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.2	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		105	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1412529** RcptNo: 1

Received by/date: 12/11/14

Logged By: **Lindsay Mangin** **12/11/2014 7:15:00 AM**

Completed By: **Lindsay Mangin** **12/11/2014 8:42:25 AM**

Reviewed By: 12/11/14

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by:

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.7	Good	Yes			

Chain-of-Custody Record

Client: Animas Environmental Services

Mailing Address: 604 W Pinon St
Farmington, NM 87401

Phone #: 505-215-3688

email or Fax#: ~~DDavis@animasenvironmental.com~~ SAH shinds@animasenvironmental.com

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: BMG Landfarm

Project #:

Project Manager: Stephanie Hinds

Sampler: Dylan Davis

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.7

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1412529	~~BTEX + MTBE + TMB's (8021)~~ DD	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Chlorides 300.0				Air Bubbles (Y or N)
12/9/14	11:30	Soil	Cell #1 VZ-S1	(2) 4oz Jar	Cool	-001	X			X								X				
12/9/14	12:00	Soil	Cell #1 VZ-S2	(2) 4oz Jar	Cool	-002	X			X								X				
12/9/14	1215	Soil	Cell #1 VZ-S3	(2) 4oz Jar	Cool	-003	X			X								X				
12/9/14	12:30	Soil	Cell #1 VZ-S4	(2) 4oz Jar	Cool	-004	X			X								X				
12/9/14	0945	Soil	Cell #2 VZ-S1	(2) 4oz Jar	Cool	-005	X			X								X				
12/9/14	1015	Soil	Cell #2 VZ-S2	(2) 4oz Jar	Cool	-006	X			X								X				
12/9/14	1030	Soil	Cell #2 VZ-S3	(2) 4oz Jar	Cool	-007	X			X								X				
12/9/14	1100	Soil	Cell #2 VZ-S4	(2) 4oz Jar	Cool	-008	X			X								X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
12/10/14	1753	Dylan Davis	Christine Walker	12/10/14	1753
12/10/14	1828	Christine Walker		12/11/14	0715

Remarks: Call if you have questions. Thanks!

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.

DEPTH TO GROUNDWATER MEASUREMENT FORM

Animas Environmental Services
624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project: Groundwater Monitoring
Site: BMG Landfarm
Location: Evaporation Pond
Tech: SH/SG

Project No.:
Date: 3/26/15
Time: 13:27
Form: 1 of 1

Well I.D.	Time	Depth to NAPL (ft.)	Depth to Water (ft.)	NAPL Thickness (ft.)	Notes / Observations
MW-1	13:29	—	39.45	0	
MW-2	15:08	—	40.62	0	
MW-3	12:02	—	39.92	0	
MW-4	12:42	—	40.34	0	
Int. Well	13:55	—	9.83	0	Int. Well DTW = 9.83. From same location, Depth to water in pond = 5'

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, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG Landfarm
Location: Evaporation Pond
Project: Groundwater Monitoring and Sampling
Sampling Technician: SH / SG
Purge / No Purge: Purge
Well Diameter (in): 2"
Initial D.T.W. (ft): 39.45 **Time:** 13:29 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 39.45 **Time:** 13:29 *(taken prior to purging well)*
Final D.T.W. (ft): 44.78 **Time:** 14:30 *(taken after sample collection)*
If NAPL Present: **D.T.P.:**_____ **D.T.W.:**_____ **Thickness:**_____ **Time:**_____

Project No.:
Date: 3/26/15
Arrival Time: 13:27
Air Temp: 49°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.55

Sampled at 14:26

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
13:34	12.51	0.896	2.36	7.35	216.9	Initial	Mostly clear
13:36	11.93	0.880	2.39	7.37	218.6	0.5 gallons	"Silty" brown
14:09	11.99	0.853	2.17	7.53	210.9	1.0 gallons	"Silty" brown
14:26	Collected	sample.					Lots of suspended solids.

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX per Method 8021 (3 - 40 mL vials with HCl preserve)

TPH per Method 8015 (1 - 125 mL glass amber, no preserve)

Chlorides per Method 300.0 and TDS per Method 2540C (1 - 500 ml plastic, no preserve)

Disposal of Purged Water: onto ground
Collected Samples Stored on Ice in Cooler: yes
Chain of Custody Record Complete: yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Well very slow to recharge. well fluids (ground water) very silty/muddy. well went "dry" at 1.0 gallon.

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-2

Animas Environmental Services

624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG Landfarm
Location: Evaporation Pond
Project: Groundwater Monitoring and Sampling
Sampling Technician: ~~ZH~~ SM
Purge / No Purge: Purge
Well Diameter (in): 2"
Initial D.T.W. (ft): 40.62 **Time:** 15:08 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.62 **Time:** 15:08 *(taken prior to purging well)*
Final D.T.W. (ft): 43.80 **Time:** 15:52 *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: _____
Date: 3/26/15
Arrival Time: 15:05
Air Temp: 51° F
T.O.C. Elev. (ft): _____
Total Well Depth (ft): 46.26

Sampled at 15:48

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
15:16	11.80	0.895	2.14	7.96	228.1	Initial	Mostly clear
15:20	11.40	0.907	2.07	7.92	219.3	0.5 gallons	Slightly brown
15:48	Collected	sample.				1.0 gallons	

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX per Method 8021 (3 - 40 mL vials with HCl preserve)

TPH per Method 8015 (1 - 125 mL glass amber, no preserve)

Chlorides per Method 300.0 and TDS per Method 2540C (1 - 500 ml plastic, no preserve)

Disposal of Purged Water: onto ground
Collected Samples Stored on Ice in Cooler: yes
Chain of Custody Record Complete: yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Well slow to recharge. Well went "dry" at 1.0 gallons.

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-3

Animas Environmental Services

624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG Landfarm
Location: Evaporation Pond
Project: Groundwater Monitoring and Sampling
Sampling Technician: SH/SG
Purge / No Purge: Purge
Well Diameter (in): 2"
Initial D.T.W. (ft): 39.92 **Time:** 12:02 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 39.92 **Time:** 12:02 *(taken prior to purging well)*
Final D.T.W. (ft): 44.13 **Time:** 12:30 *(taken after sample collection)*
If NAPL Present: **D.T.P.:**_____ **D.T.W.:**_____ **Thickness:**_____ **Time:**_____

Project No.:
Date: 3/26/15
Arrival Time: 12:00
Air Temp: 46°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.58

sampled at 12:26

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
12:08	11.80	0.871	3.42	7.35	217.6	Initial	clear
12:10	11.35	0.879	3.36	7.35	216.3	0.5 gal	light brown
12:12	11.40	0.878	3.50	7.43	229.2	1.0 gal	light brown
12:26	Samples collected.						light brown

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX per Method 8021 (3 - 40 mL vials with HCl preserve)

TPH per Method 8015 (1 - 125 mL glass amber, no preserve)

Chlorides per Method 300.0 and TDS per Method 2540C (1 - 500 ml plastic, no preserve)

Disposal of Purged Water: into ground
Collected Samples Stored on Ice in Cooler: yes
Chain of Custody Record Complete: yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

Well went "dry" at 1.0 gallons. Collected sample at next bailer.
Very slow to recharge.

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-4

Animas Environmental Services

624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG Landfarm
Location: Evaporation Pond
Project: Groundwater Monitoring and Sampling
Sampling Technician: SH/SG
Purge / No Purge: Purge
Well Diameter (in): 2"
Initial D.T.W. (ft): 40.34 **Time:** 12:42 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.34 **Time:** 12:42 *(taken prior to purging well)*
Final D.T.W. (ft): 42.65 **Time:** *(taken after sample collection)*
If NAPL Present: **D.T.P.:** **D.T.W.:** **Thickness:** **Time:**

Project No.:
Date: 3/26/15
Arrival Time: 12:40
Air Temp: 46°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.64

sampled at 13:20

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
12:45	12.21	0.896	2.77	7.32	205.8	Initial	Mostly clear
12:47	11.91	0.898	2.79	7.29	211.5	0.5 gallons	orange/brown
13:04	12.06	0.904	2.80	7.38	214.8	1.0 gallons	light brown
13:12	12.50	0.907	2.81	7.28	216.5	1.5 gallons	light brown
13:20	12.08	0.902	2.81	7.33	217.1	1.75 gallons	light brown

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX per Method 8021 (3 - 40 mL vials with HCl preserve)
TPH per Method 8015 (1 - 125 mL glass amber, no preserve)
Chlorides per Method 300.0 and TDS per Method 2540C (1 - 500 ml plastic, no preserve)

Disposal of Purged Water: onto ground
Collected Samples Stored on Ice in Cooler: yes
Chain of Custody Record Complete: yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Well very slow to recharge.
Well went "dry" at 1.5 gallons.

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: Interstitial well

Animas Environmental Services

624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG Landfarm
Location: Evaporation Pond
Project: Groundwater Monitoring and Sampling
Sampling Technician: SH / SG
Purge / No Purge: Purge
Well Diameter (in): ~ 6.5"
Initial D.T.W. (ft): 9.83 **Time:** 13:55 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 9.83 **Time:** 13:55 *(taken prior to purging well)*
Final D.T.W. (ft): 11.15 **Time:** ~~12:12~~ 14:12 *(taken after sample collection)*
If NAPL Present: **D.T.P.:**____ **D.T.W.:**____ **Thickness:**____ **Time:**____

Project No.:
Date: 3/26/15
Arrival Time:
Air Temp: 49°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 12.16

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations

Analytical Parameters (include analysis method and number and type of sample containers)

BTEX per Method 8021 (3 - 40 mL vials with HCl preserve)

TPH per Method 8015 (1 - 125 mL glass amber, no preserve)

Chlorides per Method 300.0 and TDS per Method 2540C (1 - 500 ml plastic, no preserve)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: No sampling. Just purged water until dry. Water in interstitial well is NOT at same level as pond. Depth to water in well = 9.83', depth to water in pond = 5'. Purged approximately =
3/27/15: Returned to well. DTW = 11.10' @ 14:00.

revised: 08/10/09

BMG Landfarm

3/26/2015

Mileage 100879. Ford 2010.
Depart AES at 7:40 am. Pick up 3 bags of bentonite.
Arrive BMG Landfarm at 10:00 am.

Vadose Zone	GPS	Notes
Cell #4 S-1	36.389338, -106.863102	Man hole / shoveled to 1'3". Augered to 2.5'. Dark clayey soil. Not much odor / no odor. Collected at 10:30 am. No odor. Reddish soil.
Cell #4 S-2	36.389198, -106.863085	Shoveled to 1'. Augered to 2.5', Dark clayey soil. Some roots / organics present. Nearby are piles of grease. See photos. Collected at 10:55 am. No odor. Red soil
Cell #4 S-3	36.389110, -106.862649	Shoveled to 1'3" Augered to 2.5' Dark clayey soils. Some roots present. Collected at 11:15. No odor. Reddish/brown soil.
Cell #4 S-4	36.388943, -106.862375	Shoveled to 1'5". Augered to 2.5'. Dark clayey soils. Tiny roots present Collected at 11:35. No odor. Dark red soil.

Treatment Zone	GPS	Notes
Cell #4 SC-4	36.389325, -106.863281 36.389188, -106.863094 36.389127, -106.~~820~~862664 36.388896, -106.862292	Collected / composited at Medium / moderate odor.

Vadose Zone	GPS	Notes
Cell # 3	36.389151, -106.865040	Shoveled to 12".
S-4		Augered to 2.5'.
		Soil a reddish brown. No odor. Silty clay.
		Sampled at 16:10.
Cell # 3	36.389100, -106.864461	Shoveled to 1'2".
S-3		Augered to 2.5'.
		Soil reddish brown. No odor. Hard silty clay. Dark brown soil.
		Sampled at 16:20.
Cell # 3	36.389448, -106.864100	Shoveled to 18".
S-2		Augered to 2.5'
		Soil dark grey / brown. Clayey soil.
		Sample collected at 16:30.
Cell #3	36.389475, -106.863796	Shoveled to 15".
S-1		Augered to 2.5'.
		Medium dark clay soil. No odor.
		Sample collected at 16:50.

Treatment Zone	GPS	Notes
Cell #3	36.389334, -106.864266	Some slight odor, but not strong like
Sc-3	36.389009, -106.864208	in previous sampling events.
	36.388943, -106.864718	Samples composited at 16:40.
	36.389264, -106.864752	

Depart BMG Landfarm at 17:45

Arrive AES @ 19:50.

Mileage 10125

Scale: 1 square = 2'

BMG Landfarm 3/27/15

Depart AES at 7:20. Ford 2010. Mileage 101125.

Arrive BMG landfarm at 9:25 am.

Treatment Zone	GPS	Notes
Cell #2	36.390070, -106.867032	Collected 1 composited samples at 9:50 am.
SC-2	36.389893, -106.866277	No strong odors, lots of small roots, appears to be old fertilizer/manure.
	36.389747, -106.865858	
	36.389939, -106.865538	

Vadose Zone	GPS	Notes
Cell #2	36.390179, -106.866919	Shoveled to 12".
S-1		Augured to 2.5'.
		Soil was very clayey, then turned to sand at 2.0'.
		Collected sample at 10:00. No odor.
Cell # 2	36.390234, -106.866441	Shoveled to 13".
S-2		Augured to 2.5'.
		Hard clay down to 13". Then sand to 2.5".
		Collected sample at 10:40. No odor. Mostly sand, some slight clay.
Cell # 2	36.389926, -106.865513	Shoveled to 12".
S-3		Augured to 2.5'.
		Hard clay down to 12". Then sandy clay with rocks down to 2'.
		Collected at 11:05. No odor.
Cell # 2	36.389614, -106.866088	Shoveled to 15".
S-4		Augured to 2.5'.
		Hard clay down to 14". Then turned to red sand.
		Collected at 11:40. No odor.

Treatment Zone	GPS	Notes
Cell #1	36.389381, -106.867154	No major or strong odors, some moisture in
SC-1	36.389354, -106.866789	bag after sample composited.
	36.389078, -106.866218	Composited at 13:50.
	36.388829, -106.865640	

Vadose Zone	GPS	Notes
Cell #1	36.389695, -106.867806	Shoveled to 15",
S-1		Augered to 2.5'.
		Silty sandy clay to 8" then clay from 8"-15".
		Collected sample at 12:25. No odor.
		Clayey sample.
Cell #1	36.389594, -106.867298	Shoveled to 13".
S-2		Augered to 2.5'.
		Silty clay sand on top, then at 8" turned to
		more clayey sand.
		Collected sample at 12:45. No odor. Clayey
Cell #1	36.389011, -106.866126	Shoveled to 13".
S-3		Augered to 2.5'.
		Silty clay to 6" then clayey sand to 13".
		Mostly clay at 13" and deeper.
		Collected sample at 13:10. No odor. Some
		small roots.
Cell #1	36.388869, -106.865706	Shoveled to 14".
S-4		Augered to 2.5'.
		~~Clayey~~ Clayey soils all the way down.
		Collected sample at 13:40. No odor.

Depart Landfarm at 2:10 pm.

Arrive at AES at 16:15. Mileage = 101366.

Scale: 1 square = 4

MONITORING WELL SAMPLING RECORD

Monitor Well No: 1

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG Landfarm
Location:
Project: Groundwater Monitoring and Sampling
Sampling Technician: SG & LC
Purge / No Purge: Purge
Well Diameter (in): 2"
Initial D.T.W. (ft): 39.50 Time: 0930 (taken at initial gauging of all wells)
Confirm D.T.W. (ft): 39.50 Time: 1037 (taken prior to purging well)
Final D.T.W. (ft): 45.17 Time: 1049 (taken after sample collection)
If NAPL Present: D.T.P.:_____ D.T.W.:_____ Thickness:_____ Time:_____

Project No.:
Date: 6-23-2014
Arrival Time: 1035 (1051 Sample)
Air Temp: 74° F - 77°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.61

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1043	14.65	1.046		7.32	137.6	1st Bailer	Clear H2O
1045	14.31	1.054		7.26	138.0	1.0 gal.	Tan H2O
1051	14.57	0.993		7.44	127.8	1.5 gal	Sediments

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: Into Evap. Pond
Collected Samples Stored on Ice in Cooler: yes
Chain of Custody Record Complete: yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: MW stem 3' Above ground.
6.11' H2O column
0.997 H2O volume
3.0 gal. To be purged
MW: dry @ 1.5 gal.

Revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: 2

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG Landfarm
Location:
Project: Groundwater Monitoring and Sampling
Sampling Technician: SG & LL
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.62 **Time:** 0937 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.62 **Time:** 1109 *(taken prior to purging well)*
Final D.T.W. (ft): 44.65 **Time:** 1121 *(taken after sample collection)*
If NAPL Present: D.T.P.:_____ D.T.W.:_____ Thickness:_____ Time:_____

Project No.:
Date: 6.23.2015
Arrival Time: 1107
Air Temp: 74°F / 79°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.58

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1115	16.25	1.016		7.48	137.0	1st Bailer	clear H2O
1122	13.42	1.004		7.48	136.8	1.0 gal.	Tan H2O

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: Evap. Pond
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: 2.5" Well casing above ground
4.96 H2O column
.81 H2O volume
2.43 gal. to be purged
MW slow to recharge
"Dry" after 1.0 gal. purge

Revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: 3

Animas Environmental Services

604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG Land Farm
Location:
Project: Groundwater Monitoring and Sampling
Sampling Technician: LA + SG
Purge / No Purge: Purge
Well Diameter (in): [redacted]" 2"

Project No.:
Date: [redacted] 6-23-2015 LA
Arrival Time: 1131 (1158 sample)
Air Temp: 74° F / 79°
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.62

Initial D.T.W. (ft): 39.89 **Time:** 0942 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 39.89 **Time:** 1132 *(taken prior to purging well)*
Final D.T.W. (ft): 44.27 **Time:** 1159 *(taken after sample collection)*
If NAPL Present: D.T.P.:_____ D.T.W.:_____ **Thickness:**_____ **Time:**_____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1142	13.95	0.954		7.26	142.3	1st Bailer	Clear
1149	13.87	0.942		7.30	144.0	1.0 gal	Turn
1153	12.91	0945		7.39	142.0	1.5 gal	Turn
1158	13.39	0.919		7.29	145.2	2.0 gal	Turn

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: Evp. Pond
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: 2' well stem above ground

5.73 1-1/2" column
.94 H_2O volume
2.81 gal. to be purged

MW has slight ... slow recharge
well "dry" @ 2.0 gal purge

Revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: 4

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG LAND FARM
Location:
Project: Groundwater Monitoring and Sampling
Sampling Technician: SG & LC
Purge / No Purge: Purge
Well Diameter (in): 2"
Initial D.T.W. (ft): 40.36 Time: 0929 (taken at initial gauging of all wells)
Confirm D.T.W. (ft): 40.36 Time: 1000 (taken prior to purging well)
Final D.T.W. (ft): 44.98 Time: 1023 (taken after sample collection)
If NAPL Present: D.T.P.: D.T.W.: Thickness: Time:

Project No.:
Date: 6-23-2014
Arrival Time: 1000
Air Temp: 74° F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.64

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1014	15.90	0.983	5.81	7.20	144.7	1st Bailer	Clear H2O
1017	13.77	1.032	6.46	7.13	148.1	1.0 gal.	Tan H2O
1019	13.37	1.047	7.43	7.20	146.5	1.5 gal	Tan H2O
1025	14.12	1.021	[illegible]	7.32	147.3	2.0 gal	Tan H2O

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: Into 55 gal. drum on site
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:
5.28' H2O column
08616 H2O Volume
2.60 gal. to be purged

MW "dry" @ 2.0 gal.
Slow to no recharge.

Revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: Evaprtn. Pond

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG Landfarm
Location:
Project: Groundwater Monitoring and Sampling
Sampling Technician: SG & LL
Purge / No Purge: Purge
Well Diameter (in): 6"
Initial D.T.W. (ft): 10.66 Time: 0951 (taken at initial gauging of all wells)
Confirm D.T.W. (ft): 10.66 Time: 1226 (taken prior to purging well)
Final D.T.W. (ft): Time: (taken after sample collection)
If NAPL Present: D.T.P.: D.T.W.: Thickness: Time:

Project No.:
Date: 6.23.2015
Arrival Time: 1224 / 1315
Air Temp: 74° F / 82° F
T.O.C. Elev. (ft):
Total Well Depth (ft): 12.11

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1245	17.07	137.6	0.54	6.74	95.	1.5 gal	
1249	17.58	136.8	0.95	6.72	94.4	2.0 gal	
1255	17.42	137.4	0.18	6.71	98.3	3.0 gal	
1300	18.22	137.4	0.01	6.71	96.3	4.0 gal.	
1304	17.71	137.6	0.00	6.75	94.0	5.0 gal	
1315	18.36	138.0	-0.01	6.82	97.6	6.0	

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: 4' PVC (6") Pipe above ground.
1.45 H2O Column
2.13 H2O volume
6.40 gal. to be purged.

Revised: 08/10/09

6/23/2015 **BMG Landfarm Sampling - Vadose Zone (VZ)**

Cell #	1
Sample ID: (S-1 through S-4)	S-1
GPS:	36.38958, -106.86775
Time of sample:	0815
Shovel depth:	1'
Auger depth:	1.5'
Soil characteristics: (odor, color, texture)	Tan, No odor, Fine grain

Cell #	1
Sample ID: (S-1 through S-4)	S-2
GPS:	36.38942, -106.86763
Time of sample:	0830
Shovel depth:	1.0'
Auger depth:	1.5'
Soil characteristics: (odor, color, texture)	Brown, Clayey Sand, Fine grain, No Odor

Cell #	1
Sample ID: (S-1 through S-4)	S-3
GPS:	36.38905, -106.86616
Time of sample:	0840
Shovel depth:	1.0'
Auger depth:	1.5'
Soil characteristics: (odor, color, texture)	Dark grey, clay Brown fine grain no odor

Cell #	1
Sample ID: (S-1 through S-4)	S-4
GPS:	N 36.38869 W. 106.86537
Time of sample:	0850
Shovel depth:	1.0'
Auger depth:	1.5'
Soil characteristics: (odor, color, texture)	Dark gray clay Brown fine grain no odor

BMG Landfarm Sampling - Vadose Zone (VZ)

Cell #	2
Sample ID: (S-1 through S-4)	S-1
GPS:	36.39016, -106.86689
Time of sample:	0720
Shovel depth:	8"
Auger depth:	1.5'
Soil characteristics: (odor, color, texture)	4" Tan, No Odor, fine grain, 4" Reddish Brown, No odor Fine grain, 1.5' Tan/Brown, No odor Clayey Sand

Cell #	Cell #2
Sample ID: (S-1 through S-4)	S-2
GPS:	36.38980, -106.86642
Time of sample:	0737
Shovel depth:	1'
Auger depth:	
Soil characteristics: (odor, color, texture)	6" Reddish, Fine grain, 6" Tan, Clayey sand,

Cell #	2
Sample ID: (S-1 through S-4)	S-3
GPS:	36.39009, -106.86604
Time of sample:	0750
Shovel depth:	4"
Auger depth:	2.0'
Soil characteristics: (odor, color, texture)	1' Brown, no odor, fine grain, 1.5' Tan/Brown, No Odor, Fine grain

Cell #	2
Sample ID: (S-1 through S-4)	S-4
GPS:	36.38976, -106.86575
Time of sample:	0800
Shovel depth:	6"
Auger depth:	2.0'
Soil characteristics: (odor, color, texture)	Brown, No Odor, Fine grain

S. Glasses

BMG Landfarm Sampling - Vadose Zone (VZ)

6-23-14

Cell #	3
Sample ID: (S-1 through S-4)	S-1
GPS:	36.38955, -106.86366
Time of sample:	1240
Shovel depth:	1'
Auger depth:	1.5'
Soil characteristics: (odor, color, texture)	1st 10" Grey/Black Soil, odor of Hydro, 6" further, Reddish, Clay

Cell #	3
Sample ID: (S-1 through S-4)	S-2
GPS:	36.38933, -106.86436
Time of sample:	1320
Shovel depth:	6"
Auger depth:	2.0'
Soil characteristics: (odor, color, texture)	@6" Reddish/Brown, No odor, Sandy, @ 2.0' Clayey Sand, No Odor, Brown

Cell #	3
Sample ID: (S-1 through S-4)	S-3
GPS:	36.38918, -106.86494
Time of sample:	1400
Shovel depth:	6"
Auger depth:	1.5'
Soil characteristics: (odor, color, texture)	

Cell #	3
Sample ID: (S-1 through S-4)	S-4
GPS:	36.38927, -106.86546
Time of sample:	1415
Shovel depth:	6"
Auger depth:	2.0"
Soil characteristics: (odor, color, texture)	Brown, No Odor, Fine grain, Tan Soil

S. Gilcrease

BMG Landfarm Sampling - Vadose Zone (VZ)

6-23-15

Cell #	4
Sample ID: (S-1 through S-4)	S-1
GPS:	36.38891, -106.86240
Time of sample:	0940
Shovel depth:	6"
Auger depth:	+ 1.5" = 2.0'
Soil characteristics: (odor, color, texture)	Brown, no odor, grain.

Cell #	4
Sample ID: (S-1 through S-4)	S-2
GPS:	36.38915, -106.862607
Time of sample:	1012
Shovel depth:	Shovel head depth
Auger depth:	2'
Soil characteristics: (odor, color, texture)	No odor, Brown/Red,

Cell #	4
Sample ID: (S-1 through S-4)	S-3
GPS:	36.38913, -106.86297
Time of sample:	1040
Shovel depth:	4"
Auger depth:	2'
Soil characteristics: (odor, color, texture)	Gravel/Hard, Brown/Red, No Odor

Cell #	4
Sample ID: (S-1 through S-4)	S-4
GPS:	36.38935, -106.86343
Time of sample:	1125
Shovel depth:	Shovel Head depth
Auger depth:	2.0'
Soil characteristics: (odor, color, texture)	Strong Manure odor, Dark brown, Clayey, Brown sand @ Collection.

DEPTH TO GROUNDWATER MEASUREMENT FORM

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project: Groundwater Monitoring and Sampling
Site: BMG Landfarm
Location:
Tech: SH

Project No.:
Date: 9/24/2015
Time: 10:50
Form: 1 of 1

Well I.D.	Time	Depth to NAPL (ft.)	Depth to Water (ft.)	NAPL Thickness (ft.)	Notes / Observations
MW-3	10:50	0	39.98	—	
MW-4	11:30	0	40.43	—	
MW-1	12:40	0	39.57	—	
MW-2	14:15	0	40.65	—	
Interstitial well		0	11.33	—	

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

604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG Land farm
Location:
Project: Groundwater Monitoring and Sampling
Sampling Technician: SM
Purge / No Purge: Purge
Well Diameter (in): 2"
Initial D.T.W. (ft): 39.57 **Time:** 12:51 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 39.57 **Time:** 12:52 *(taken prior to purging well)*
Final D.T.W. (ft): 44.42 **Time:** 13:32 *(taken after sample collection)*
If NAPL Present: D.T.P.:_____ D.T.W.:_____ Thickness:_____ Time:_____

Project No.:
Date: 9/24/2015
Arrival Time: 12:40
Air Temp: 70°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.61

sampled at 13:28

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
~~13:27~~ 13:11	13.96	0.913		7.48	82.5	Initial	mostly clear, no odor
13:28	12.68	0.877		7.30	85.9	0.5 gallons	slightly cloudy

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: onto ground
Collected Samples Stored on Ice in Cooler: yes
Chain of Custody Record Complete: yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

2.96 gallons to be purged. Well went dry at 1.0 gallon. ~~So~~ SLOW to recharge.
Mist from evaporation pond blowing in direction of MW-1.

~~Revised: 08/10/09~~

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-2

Animas Environmental Services

604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG Landfarm
Location:
Project: Groundwater Monitoring and Sampling
Sampling Technician: SM
Purge / No Purge: Purge
Well Diameter (in): 2"
Initial D.T.W. (ft): 40.65 **Time:** 14:21 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.65 **Time:** 14:22 *(taken prior to purging well)*
Final D.T.W. (ft): 44.96 **Time:** 14:55 *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.:
Date: 9/24/2015
Arrival Time: 75°F
Air Temp: 14:15
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.56

collected at 14:50

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
14:36	13.87	0.975		7.71	72.0	Initial	mostly clear
14:42	12.82	0.959		7.40	91.2	0.5 gallons	slight brown
14:50	12.81	0.961		7.34	92.6	0.8 gallons	slight brown

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: onto ground
Collected Samples Stored on Ice in Cooler: yes
Chain of Custody Record Complete: yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: 2.9 gallons to be purged. Well went dry at 0.75 gallons.

YSI #1

MONITORING WELL SAMPLING RECORD

Monitor Well No: ~~MW-1~~ MW-3

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG landfarm
Location:
Project: Groundwater Monitoring and Sampling
Sampling Technician: SM
Purge / No Purge: Purge
Well Diameter (in): 2"
Initial D.T.W. (ft): 39.98 Time: 10:54 (taken at initial gauging of all wells)
Confirm D.T.W. (ft): 39.98 Time: 10:55 (taken prior to purging well)
Final D.T.W. (ft): Time: (taken after sample collection)
If NAPL Present: D.T.P.: D.T.W.: Thickness: Time:

Project No.:
Date: 9/24/2015
Arrival Time: 10:50
Air Temp: 71°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.61

collected at 11:15

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
11:00	13.59	0.824	4.32	7.51	128.2	Initial	mostly clear, no odor
11:08	12.74	0.807	4.30	7.19	98.4	1 gallon	cloudy
11:15	12.78	0.799	4.31	6.24	132.7	1.5 gallon	cloudy

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: onto ground
Collected Samples Stored on Ice in Cooler: yes
Chain of Custody Record Complete: yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

8.27 gallons to be purged

MONITORING WELL SAMPLING RECORD

Monitor Well No: ~~AW-2~~ MW-4

Animas Environmental Services

604 W. Pinon, Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG Landfarm
Location:
Project: Groundwater Monitoring and Sampling
Sampling Technician: SM
Purge / No Purge: Purge
Well Diameter (in): 2"
Initial D.T.W. (ft): ~~44.43~~ 40.43 **Time:** 11:41 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.43 **Time:** 11:42 *(taken prior to purging well)*
Final D.T.W. (ft): **Time:** *(taken after sample collection)*
If NAPL Present: D.T.P.: D.T.W.: Thickness: Time:

Project No.:
Date: 9/24/2015
Arrival Time: 11:30
Air Temp: 69°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.64

sampled at 12:18

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
11:50	12.90	0.919		7.12	118.0	Initial	Mostly clear, no odor
11:56	12.60	0.910		6.96	124.9	0.75 gallons	Slightly cloudy
12:09	12.72	0.919		7.07	110.3	1.25 gallons	Slightly cloudy
12:18	12.76	0.931		7.18	99.7	1.75 gallons	Slightly cloudy
							~~Slightly cloudy~~

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: ato ground
Collected Samples Stored on Ice in Cooler: yes
Chain of Custody Record Complete: yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

2.55 gallons to be purged

~~Revised: 08/10/09~~

MONITORING WELL SAMPLING RECORD

Monitor Well No: Interstitial Well

Animas Environmental Services

604 W. Pinon, Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG Landfarm

Location:

Project: Groundwater Monitoring and Sampling

Sampling Technician: SM

Purge / No Purge: Purge

Well Diameter (in):

Initial D.T.W. (ft): 11.33 **Time:** 15:38

Confirm D.T.W. (ft): 11.33 **Time:** 15:39

Final D.T.W. (ft): **Time:**

If NAPL Present: **D.T.P.:** **D.T.W.:** **Thickness:** **Time:**

Project No.:

Date: 9/24/15

Arrival Time: 15:25

Air Temp: 75°F

T.O.C. Elev. (ft):

Total Well Depth (ft): 12.13

(taken at initial gauging of all wells)

(taken prior to purging well)

(taken after sample collection)

sampled at 15:45

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
15:45	20.92	139.3 mS/cm	2.87	7.06	73.4	Initial	

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: into evaporation pond

Collected Samples Stored on Ice in Cooler: yes

Chain of Custody Record Complete: yes

Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM

Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Orangish color, bubbles created when poured into sampling containers. Bailed most of water out of well when done sampling and recording YSI readings. Bailer fell off string and remains stuck at bottom of well.

revised: 08/10/09

BMG Landfarm Sampling - Treatment Zone (TZ)

Date: 9/24/2015

Cell # 4	
Sample ID: CS-1	
GPS:	
(4 locations)	
Time of sample:	1030
Sample depth:	.5'
Soil characteristics: (odor, color, texture)	Brown, Clayey Sand, No Odor, Gravel Rocks

Cell # 3	
Sample ID: CS-1	
GPS:	
(4 locations)	
Time of sample:	
Sample depth:	.5'
Soil characteristics: (odor, color, texture)	Brown, Clayey – Fine Grain Sand, No Oder

Cell # 2	
Sample ID: CS-1	Cell # 2 TZ CS-1
GPS:	
(4 locations)	
Time of sample:	1325
Sample depth:	.5'
Soil characteristics: (odor, color, texture)	Brown, Clayey Sand, No oder

Cell # 1	
Sample ID: CS-1	Cell # 1 TZ CS-1
GPS:	
(4 locations)	
Time of sample:	1445
Sample depth:	.5'
Soil characteristics: (odor, color, texture)	Brown, Fine Grain Sand, No Odor

BMG Landfarm Sampling - Vadose Zone (VZ)

Date:

Cell # 4	
Sample ID: ~~S-1~~ (S-1 through S-4)	S-4
GPS:	36.38890, -106.86224
Time of sample:	1138
Shovel depth:	.5'
Auger depth (2.5' total depth):	2.0'
Soil characteristics: (odor, color, texture)	Brown/Reddish, Sandy, Fine Grain, No odor

Cell # 4	
Sample ID: ~~S-2~~ (S-1 through S-4)	S-3
GPS:	36.38896, -106.86264
Time of sample:	~~1125~~ 1125
Shovel depth:	~~.5'~~ .5'
Auger depth (2.5' total depth):	Brown/Red, Sandy, Fine Grain ↓ 2.0'
Soil characteristics: (odor, color, texture)	

Cell # 4	
Sample ID: ~~S-3~~ (S-1 through S-4)	S-2
GPS:	36.38925, -106.86275
Time of sample:	1110
Shovel depth:	.5'
Auger depth (2.5' total depth):	2.0'
Soil characteristics: (odor, color, texture)	Brown/Red, Clayey Sand, Soil Color change @ .5'

Cell # 4	
Sample ID: ~~S-4~~ (S-1 through S-4)	S-1
GPS:	36.38937, -106.86311
Time of sample:	1052
Shovel depth:	4"
Auger depth (2.5' total depth):	2.0'
Soil characteristics: (odor, color, texture)	Brown, No Odor, Fine grain Sand, Native Soil @ 4"

BMG Landfarm Sampling - Vadose Zone (VZ)

Date:

Cell #	3
Sample ID: (S-1 through S-4)	S-1
GPS:	36.38901, -106.86493
Time of sample:	1215
Shovel depth:	.5'
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	Reddish / Brown, Clayey Sand, No Odor

Cell #	3
Sample ID: (S-1 through S-4)	S-2
GPS:	36.38913, -106.86446
Time of sample:	1228
Shovel depth:	.5'
Auger depth (2.5' total depth):	2.0
Soil characteristics: (odor, color, texture)	Brown/Red, Fine Grain → Clayey Sand, No Odor

Cell #	3
Sample ID: (S-1 through S-4)	S-3
GPS:	36.38908, -106.86412
Time of sample:	1245
Shovel depth:	.5'
Auger depth (2.5' total depth):	2.0'
Soil characteristics: (odor, color, texture)	Brown, Clayey Sand, No odor

Cell #	3
Sample ID: (S-1 through S-4)	S-4
GPS:	36.38946, -106.86407
Time of sample:	1255
Shovel depth:	.5'
Auger depth (2.5' total depth):	2.0'
Soil characteristics: (odor, color, texture)	Brown, Reddish, Fine Grain Sand, No Odor

BMG Landfarm Sampling - Vadose Zone (VZ)

Date:

Cell #	2
Sample ID: (S-1 through S-4)	S-1
GPS:	36.39022, -106.860640
Time of sample:	1338
Shovel depth:	.5'
Auger depth (2.5' total depth):	2.0'
Soil characteristics: (odor, color, texture)	Brown/Tan, Fine Grain, No odor

Cell #	2
Sample ID: (S-1 through S-4)	S-2
GPS:	36.38999, -106.860600
Time of sample:	1350
Shovel depth:	.5'
Auger depth (2.5' total depth):	@ .8" Reddish/Brown / @ 1.0' Yellow/Tan
Soil characteristics: (odor, color, texture)	

Cell #	2
Sample ID: (S-1 through S-4)	S-3
GPS:	36.38962, -106.86985
Time of sample:	1405
Shovel depth:	1.0'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Brown/Reddish, Fine Grain, No Odor

Cell #	2
Sample ID: (S-1 through S-4)	S-4
GPS:	36.39011, -106.860696
Time of sample:	1425
Shovel depth:	1.0' Brown, Clayey Sand
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Brown Clayey Sand ~~Yellow/Tan, Fine Grain~~, No Odor

BMG Landfarm Sampling - Vadose Zone (VZ)

Date:

Cell #	1
Sample ID: (S-1 through S-4)	S-1
GPS:	36.38966, -106.86782
Time of sample:	1500
Shovel depth:	1.0'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Brown/Tan, Fine Grain, No Odor

Cell #	1
Sample ID: (S-1 through S-4)	S-2
GPS:	36.38946, -106.86706
Time of sample:	1510
Shovel depth:	1.0' Brown Clayey Sand, No Odor
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Brown, Clayey-Sand, No Odor.

Cell #	1
Sample ID: (S-1 through S-4)	S-3
GPS:	36.38923, -106.86671
Time of sample:	1528
Shovel depth:	.5' Brown, Clayey/Fine Grain Sand, No odor
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	Brown, Fine Grain, No Odor

Cell #	1
Sample ID: (S-1 through S-4)	S-4
GPS:	36.38902, -106.86606
Time of sample:	1542
Shovel depth:	1.0'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Brown, Fine Grain Sand, No oder

DEPTH TO GROUNDWATER MEASUREMENT FORM

Animas Environmental Services
604 W Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project: Groundwater Monitoring and Sampling
Site: BM 6 Land farm
Location:
Tech: SM, JS

Project No.:
Date: 12/10/15
Time: 9:15
Form: 1 of 1

Well I.D.	Time	Depth to NAPL (ft.)	Depth to Water (ft.)	NAPL Thickness (ft.)	Notes / Observations
MW-1	10:58	—	39.39	—	
MW-2	12:20	—	40.51	—	
MW-3	9:30	—	39.81	—	
MW-4	10:24	—	40.26	—	

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
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG Landfarm
Location:
Project: Groundwater Monitoring and Sampling
Sampling Technician: SH, JS
Purge / No Purge: Purge
Well Diameter (in): 2"
Initial D.T.W. (ft): 39.39 **Time:** 10:58 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 39.39 **Time:** 10:58 *(taken prior to purging well)*
Final D.T.W. (ft): 44.49 **Time:** 11:40 *(taken after sample collection)*
If NAPL Present: D.T.P.: — D.T.W.: — Thickness: — Time: —

Project No.:
Date: 12/10/15
Arrival Time: 10:55
Air Temp: 28°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.61

sampled at 11:22

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
11:02	12.19	0.947	5.21 ↓	8.20	-236.8	Initial	~~mostly~~ clear, no odor
11:06	11.99	0.917	4.31	7.83	-207.7	0.5 gallons	slightly cloudy, no odor
11:10	11.79	0.892	4.27	7.80	-192.0	1.0 gallon	slightly cloudy, no odor

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: onto ground
Collected Samples Stored on Ice in Cooler: yes
Chain of Custody Record Complete: yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

Well went "dry" at 1.0 gallon.

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-2

Animas Environmental Services

604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG Landfarm
Location:
Project: Groundwater Monitoring and Sampling
Sampling Technician: SM, JS
Purge / No Purge: Purge
Well Diameter (in): 2"
Initial D.T.W. (ft): 40.51 **Time:** 12:20 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.51 **Time:** 12:20 *(taken prior to purging well)*
Final D.T.W. (ft): 43.82 **Time:** 12:52 *(taken after sample collection)*
If NAPL Present: D.T.P.: — D.T.W.: — Thickness: — Time: —

Project No.:
Date: 12/10/15
Arrival Time: 12:18
Air Temp: 38°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.56

sampled at 12:42

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
12:25	11.75	1.073	—	8.50	-211.3	Initial	mostly clear, no odor
12:28	11.43	1.054	5.21 ↓	8.19	-215.0	0.5 gallons	slightly cloudy, no odor
12:35	11.46	1.050	5.17	7.85	-165.5	0.75 gallons	slightly cloudy, no odor

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: onto ground
Collected Samples Stored on Ice in Cooler: yes
Chain of Custody Record Complete: yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

well went "dry" at 0.75 gallons.

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-3

Animas Environmental Services

604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG Landfarm
Location:
Project: Groundwater Monitoring and Sampling
Sampling Technician: SH / JS
Purge / No Purge: Purge
Well Diameter (in): 2"
Initial D.T.W. (ft): 39.81 **Time:** 930 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 39.81 **Time:** 930 *(taken prior to purging well)*
Final D.T.W. (ft): **Time:** *(taken after sample collection)*
If NAPL Present: **D.T.P.:** ✓ **D.T.W.:** ✓ **Thickness:** ✓ **Time:** ✓

Project No.:
Date: 12/10/2015
Arrival Time: 09:15
Air Temp: 28° F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.61

sampled at 10:00

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
938	11.00	0.753	3.40 ↓	7.69	-234.3	Initial	clear, no odor
943	10.68	0.726	4.01 ↓	7.44	-196.1	0.5	slightly cloudy, no odor
954	11.22	0.728	3.98	7.66	-147.7	1.0 gallons	slightly cloudy, no odor

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: onto ground
Collected Samples Stored on Ice in Cooler: yes
Chain of Custody Record Complete: yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

Well went "dry" at ~1.0 gallons.

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-4

Animas Environmental Services

604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG landfarm
Location:
Project: Groundwater Monitoring and Sampling
Sampling Technician: SH, JS
Purge / No Purge: Purge
Well Diameter (in): 2"
Initial D.T.W. (ft): 40.26 **Time:** 10:24 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.26 **Time:** 10:24 *(taken prior to purging well)*
Final D.T.W. (ft): 45.21 **Time:** 10:47 *(taken after sample collection)*
If NAPL Present: D.T.P.: / D.T.W.: / **Thickness:** / **Time:** /

Project No.:
Date: 12/10/15
Arrival Time: 10:20
Air Temp:
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.64

sampled at 10:45

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
10:28	11.44	1.075	4.17 ↓	7.70	-237.4	Initial	clear, no odor
10:33	11.66	1.083	3.89 ↓	7.56	-195.3	0.5 gallons	Slightly cloudy, no odor
10:37	11.73	1.089	3.82 ↓	7.64	-197.1	1.0 gallon	Slightly cloudy, no odor
10:42	11.70	1.091	3.91	7.71	-190.2	1.5 gallon	Slightly cloudy, no odor

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: onto ground
Collected Samples Stored on Ice in Cooler: yes
Chain of Custody Record Complete: yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

Well went "dry" at 1.5 gallons.

~~Revised: 08/10/09~~

BMG Landfarm Sampling - Vadose Zone (VZ)

Date: 12/09/15

Cell #	1
Sample ID: (S-1 through S-4)	S-1
GPS:	36.38898, -106.86616
Time of sample:	09:25
Shovel depth:	12"
Auger depth (2.5' total depth):	2.5'
Soil characteristics: (odor, color, texture)	red, clayey, no odor

Cell #	1
Sample ID: (S-1 through S-4)	S-2
GPS:	36.38892, -106.86580
Time of sample:	09:40
Shovel depth:	13"
Auger depth (2.5' total depth):	2.5'
Soil characteristics: (odor, color, texture)	red, clayey clumps, no odor

Cell #	1
Sample ID: (S-1 through S-4)	S-3
GPS:	36.38942, -106.86589
Time of sample:	10:00
Shovel depth:	12"
Auger depth (2.5' total depth):	2.5'
Soil characteristics: (odor, color, texture)	reddish-brown, silty clay, no odor

Cell #	1
Sample ID: (S-1 through S-4)	S-4
GPS:	36.38954, -106.86752
Time of sample:	10:25
Shovel depth:	14"
Auger depth (2.5' total depth):	2.5'
Soil characteristics: (odor, color, texture)	slight grey color but no odor at 14", at 2.5' redelish brown @ clay, no odor

BMG Landfarm Sampling - Vadose Zone (VZ)

Date: 12/9/15

Cell #	2
Sample ID: (S-1 through S-4)	S-1
GPS:	36.39005, -106.86696
Time of sample:	10:45
Shovel depth:	12"
Auger depth (2.5' total depth):	2.5'
Soil characteristics: (odor, color, texture)	dark brown, silty clay, no odor

Cell #	2
Sample ID: (S-1 through S-4)	S-2
GPS:	36.38997, -106.86645
Time of sample:	11:00
Shovel depth:	12"
Auger depth (2.5' total depth):	2.5'
Soil characteristics: (odor, color, texture)	brown, silty sand, no odor

Cell #	2
Sample ID: (S-1 through S-4)	S-3
GPS:	36.38986, -106.86578
Time of sample:	11:20
Shovel depth:	13"
Auger depth (2.5' total depth):	2.5'
Soil characteristics: (odor, color, texture)	brown, silty sand, no odor

Cell #	2
Sample ID: (S-1 through S-4)	S-4
GPS:	36.39015, -106.86619
Time of sample:	11:30
Shovel depth:	12"
Auger depth (2.5' total depth):	2.5'
Soil characteristics: (odor, color, texture)	brown, silty sand, no odor

BMG Landfarm Sampling - Vadose Zone (VZ)

Date: 12/9/15

Cell #	3
Sample ID: (S-1 through S-4)	S-1
GPS:	36.38939, -106.86398
Time of sample:	12:10
Shovel depth:	12"
Auger depth (2.5' total depth):	2.5'
Soil characteristics: (odor, color, texture)	reddish brown, clayey, no odor

Cell #	3
Sample ID: (S-1 through S-4)	S-2
GPS:	36.38938, -106.86438
Time of sample:	12:25
Shovel depth:	12"
Auger depth (2.5' total depth):	2.5'
Soil characteristics: (odor, color, texture)	reddish brown, clayey, no odor

Cell #	3
Sample ID: (S-1 through S-4)	S-3
GPS:	36.38899, -106.86456
Time of sample:	12:40
Shovel depth:	12"
Auger depth (2.5' total depth):	2.5'
Soil characteristics: (odor, color, texture)	greyish red, clayey, slight odor but not hydrocarbon smell.

Cell #	3
Sample ID: (S-1 through S-4)	S-4
GPS:	36.38926, -106.86536
Time of sample:	12:55
Shovel depth:	14"
Auger depth (2.5' total depth):	2.5'
Soil characteristics: (odor, color, texture)	blackish "coal" at 12", reddish sand at 14", brownish red sand/clay at 2.5', no odor

BMG Landfarm Sampling - Vadose Zone (VZ)

Date: 12/9/2015

Cell #	4
Sample ID: (S-1 through S-4)	S-1
GPS:	36.38934, -106.86330
Time of sample:	13:20
Shovel depth:	11"
Auger depth (2.5' total depth):	2.5'
Soil characteristics: (odor, color, texture)	reddish brown, sandy clay, no odor

Cell #	4
Sample ID: (S-1 through S-4)	S-2
GPS:	36.38916, -106.86308
Time of sample:	13:35
Shovel depth:	12"
Auger depth (2.5' total depth):	2.5'
Soil characteristics: (odor, color, texture)	reddish brown, silty clay, no odor

Cell #	4
Sample ID: (S-1 through S-4)	S-3
GPS:	36.38914, -106.86278
Time of sample:	~~13~~ 13:50
Shovel depth:	~~2.5'~~ 13"
Auger depth (2.5' total depth):	2.5'
Soil characteristics: (odor, color, texture)	reddish brown, sandy clay, no odor

Cell #	4
Sample ID: (S-1 through S-4)	S-4
GPS:	36.38901, -106.86245
Time of sample:	14:05
Shovel depth:	12"
Auger depth (2.5' total depth):	2.5'
Soil characteristics: (odor, color, texture)	reddish brown, sandy clay, no odor

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

April 06, 2015

Stephanie Hinds

Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX (505) 324-2022

RE: BMG Landfarm OrderNo.: 1503D81

Dear Stephanie Hinds:

Hall Environmental Analysis Laboratory received 5 sample(s) on 3/31/2015 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 qualifers 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 #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1503D81**
Date Reported: **4/6/2015**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-1
Project: BMG Landfarm
Collection Date: 3/26/2015 2:26:00 PM
Lab ID: 1503D81-001
Matrix: AQUEOUS
Received Date: 3/31/2015 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE						Analyst: **BCN**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	4/1/2015 11:06:55 AM	18405
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/1/2015 11:06:55 AM	18405
Surr: DNOP	125	76.5-150		%REC	1	4/1/2015 11:06:55 AM	18405
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/31/2015 1:52:55 PM	R25204
Surr: BFB	88.0	80-120		%REC	1	3/31/2015 1:52:55 PM	R25204
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	3/31/2015 1:52:55 PM	R25204
Benzene	ND	1.0		µg/L	1	3/31/2015 1:52:55 PM	R25204
Toluene	ND	1.0		µg/L	1	3/31/2015 1:52:55 PM	R25204
Ethylbenzene	ND	1.0		µg/L	1	3/31/2015 1:52:55 PM	R25204
Xylenes, Total	ND	2.0		µg/L	1	3/31/2015 1:52:55 PM	R25204
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/31/2015 1:52:55 PM	R25204
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/31/2015 1:52:55 PM	R25204
Surr: 4-Bromofluorobenzene	100	80-120		%REC	1	3/31/2015 1:52:55 PM	R25204
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Chloride	14	2.5		mg/L	5	4/1/2015 6:06:13 AM	R25216
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	580	100	*	mg/L	1	4/2/2015 6:44:00 PM	18468

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-2
Project: BMG Landfarm
Collection Date: 3/26/2015 3:48:00 PM
Lab ID: 1503D81-002 **Matrix:** AQUEOUS **Received Date:** 3/31/2015 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE						Analyst: **BCN**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	4/1/2015 11:28:00 AM	18405
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/1/2015 11:28:00 AM	18405
Surr: DNOP	119	76.5-150		%REC	1	4/1/2015 11:28:00 AM	18405
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/31/2015 2:22:12 PM	R25204
Surr: BFB	90.9	80-120		%REC	1	3/31/2015 2:22:12 PM	R25204
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	3/31/2015 2:22:12 PM	R25204
Benzene	ND	1.0		µg/L	1	3/31/2015 2:22:12 PM	R25204
Toluene	ND	1.0		µg/L	1	3/31/2015 2:22:12 PM	R25204
Ethylbenzene	ND	1.0		µg/L	1	3/31/2015 2:22:12 PM	R25204
Xylenes, Total	ND	2.0		µg/L	1	3/31/2015 2:22:12 PM	R25204
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/31/2015 2:22:12 PM	R25204
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/31/2015 2:22:12 PM	R25204
Surr: 4-Bromofluorobenzene	103	80-120		%REC	1	3/31/2015 2:22:12 PM	R25204
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Chloride	33	10		mg/L	20	4/1/2015 6:43:27 AM	R25216
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	600	40.0	*	mg/L	1	4/2/2015 6:44:00 PM	18468

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-3
Project: BMG Landfarm
Collection Date: 3/26/2015 12:26:00 PM
Lab ID: 1503D81-003
Matrix: AQUEOUS
Received Date: 3/31/2015 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE						Analyst: **BCN**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	4/1/2015 11:49:20 AM	18405
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/1/2015 11:49:20 AM	18405
Surr: DNOP	121	76.5-150		%REC	1	4/1/2015 11:49:20 AM	18405
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/31/2015 2:51:25 PM	R25204
Surr: BFB	89.2	80-120		%REC	1	3/31/2015 2:51:25 PM	R25204
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	3/31/2015 2:51:25 PM	R25204
Benzene	ND	1.0		µg/L	1	3/31/2015 2:51:25 PM	R25204
Toluene	ND	1.0		µg/L	1	3/31/2015 2:51:25 PM	R25204
Ethylbenzene	ND	1.0		µg/L	1	3/31/2015 2:51:25 PM	R25204
Xylenes, Total	ND	2.0		µg/L	1	3/31/2015 2:51:25 PM	R25204
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/31/2015 2:51:25 PM	R25204
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/31/2015 2:51:25 PM	R25204
Surr: 4-Bromofluorobenzene	101	80-120		%REC	1	3/31/2015 2:51:25 PM	R25204
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Chloride	23	10		mg/L	20	4/1/2015 7:08:16 AM	R25216
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	601	20.0	*	mg/L	1	4/2/2015 6:44:00 PM	18468

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-4
Project: BMG Landfarm
Collection Date: 3/26/2015 1:20:00 PM
Lab ID: 1503D81-004
Matrix: AQUEOUS
Received Date: 3/31/2015 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE						Analyst:	**BCN**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	4/1/2015 12:10:44 PM	18405
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/1/2015 12:10:44 PM	18405
Surr: DNOP	124	76.5-150		%REC	1	4/1/2015 12:10:44 PM	18405
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**RAA**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/31/2015 8:12:55 PM	R25204
Surr: BFB	89.0	80-120		%REC	1	3/31/2015 8:12:55 PM	R25204
EPA METHOD 8021B: VOLATILES						Analyst:	**RAA**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	3/31/2015 8:12:55 PM	R25204
Benzene	ND	1.0		µg/L	1	3/31/2015 8:12:55 PM	R25204
Toluene	ND	1.0		µg/L	1	3/31/2015 8:12:55 PM	R25204
Ethylbenzene	ND	1.0		µg/L	1	3/31/2015 8:12:55 PM	R25204
Xylenes, Total	ND	2.0		µg/L	1	3/31/2015 8:12:55 PM	R25204
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/31/2015 8:12:55 PM	R25204
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/31/2015 8:12:55 PM	R25204
Surr: 4-Bromofluorobenzene	101	80-120		%REC	1	3/31/2015 8:12:55 PM	R25204
EPA METHOD 300.0: ANIONS						Analyst:	**SRM**
Chloride	34	10		mg/L	20	4/1/2015 7:57:54 AM	R25216
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**KS**
Total Dissolved Solids	615	100	*	mg/L	1	4/2/2015 6:44:00 PM	18468

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: TRIP BLANK
Project: BMG Landfarm
Collection Date:
Lab ID: 1503D81-005
Matrix: TRIP BLANK
Received Date: 3/31/2015 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/31/2015 8:42:07 PM	R25204
Surr: BFB	89.4	80-120		%REC	1	3/31/2015 8:42:07 PM	R25204
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	3/31/2015 8:42:07 PM	R25204
Benzene	ND	1.0		µg/L	1	3/31/2015 8:42:07 PM	R25204
Toluene	ND	1.0		µg/L	1	3/31/2015 8:42:07 PM	R25204
Ethylbenzene	ND	1.0		µg/L	1	3/31/2015 8:42:07 PM	R25204
Xylenes, Total	ND	2.0		µg/L	1	3/31/2015 8:42:07 PM	R25204
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/31/2015 8:42:07 PM	R25204
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/31/2015 8:42:07 PM	R25204
Surr: 4-Bromofluorobenzene	98.8	80-120		%REC	1	3/31/2015 8:42:07 PM	R25204

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
E	Value above quantitation range
J	Analyte detected below quantitation limits
O	RSD is greater than RSDlimit
R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1503D81**

06-Apr-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R25216**	RunNo:	**25216**					
Prep Date:		Analysis Date:	**4/1/2015**	SeqNo:	**745412**	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:	**R25216**	RunNo:	**25216**					
Prep Date:		Analysis Date:	**4/1/2015**	SeqNo:	**745413**	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	98.5	90	110			

Sample ID	**MB**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R25216**	RunNo:	**25216**					
Prep Date:		Analysis Date:	**3/31/2015**	SeqNo:	**745448**	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:	**R25216**	RunNo:	**25216**					
Prep Date:		Analysis Date:	**3/31/2015**	SeqNo:	**745449**	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	96.4	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1503D81**

06-Apr-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-18405**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Diesel Range**					
Client ID:	**PBW**	Batch ID:	**18405**	RunNo:	**25210**					
Prep Date:	**3/30/2015**	Analysis Date:	**4/1/2015**	SeqNo:	**745258**	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	1.1		1.000		110	76.5	150			

Sample ID	**LCS-18405**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Diesel Range**					
Client ID:	**LCSW**	Batch ID:	**18405**	RunNo:	**25210**					
Prep Date:	**3/30/2015**	Analysis Date:	**4/1/2015**	SeqNo:	**745259**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	5.5	1.0	5.000	0	110	60.1	156			
Surr: DNOP	0.58		0.5000		117	76.5	150			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1503D81**

06-Apr-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**1503D81-001AMS**	SampType:	**MS**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**MW-1**	Batch ID:	**R25204**		RunNo:	**25204**				
Prep Date:		Analysis Date:	**3/31/2015**		SeqNo:	**744898**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.51	0.050	0.5000	0	103	51	131			
Surr: BFB	21		20.00		103	80	120			

Sample ID	**1503D81-001AMSD**	SampType:	**MSD**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**MW-1**	Batch ID:	**R25204**		RunNo:	**25204**				
Prep Date:		Analysis Date:	**3/31/2015**		SeqNo:	**744899**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.51	0.050	0.5000	0	103	51	131	0.273	20	
Surr: BFB	20		20.00		102	80	120	0	0	

Sample ID	**2.5UG GRO LCS**	SampType:	**LCS**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**LCSW**	Batch ID:	**R25204**		RunNo:	**25204**				
Prep Date:		Analysis Date:	**3/31/2015**		SeqNo:	**744908**	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	99.9	80	120			
Surr: BFB	22		20.00		108	80	120			

Sample ID	**5ML RB**	SampType:	**MBLK**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**PBW**	Batch ID:	**R25204**		RunNo:	**25204**				
Prep Date:		Analysis Date:	**3/31/2015**		SeqNo:	**744909**	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	20		20.00		98.1	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1503D81**

06-Apr-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **100NG BTEX LCS**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSW**	Batch ID: **R25204**	RunNo: **25204**
Prep Date:	Analysis Date: **3/31/2015**	SeqNo: **744926** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	23	2.5	20.00	0	113	72.5	125			
Benzene	23	1.0	20.00	0	113	80	120			
Toluene	22	1.0	20.00	0	110	80	120			
Ethylbenzene	21	1.0	20.00	0	106	80	120			
Xylenes, Total	64	2.0	60.00	0	106	80	120			
1,2,4-Trimethylbenzene	22	1.0	20.00	0	110	80	120			
1,3,5-Trimethylbenzene	22	1.0	20.00	0	110	80	120			
Surr: 4-Bromofluorobenzene	23		20.00		114	80	120			

Sample ID **1503D81-002AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **MW-2**	Batch ID: **R25204**	RunNo: **25204**
Prep Date:	Analysis Date: **3/31/2015**	SeqNo: **744932** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	23	2.5	20.00	0	113	64.7	132			
Benzene	22	1.0	20.00	0.1280	109	77.5	121			
Toluene	21	1.0	20.00	0	104	78.6	122			
Ethylbenzene	20	1.0	20.00	0	99.0	78.1	128			
Xylenes, Total	58	2.0	60.00	0	97.3	80	120			
1,2,4-Trimethylbenzene	20	1.0	20.00	0	100	79.1	128			
1,3,5-Trimethylbenzene	20	1.0	20.00	0	100	80	120			
Surr: 4-Bromofluorobenzene	23		20.00		113	80	120			

Sample ID **1503D81-002AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **MW-2**	Batch ID: **R25204**	RunNo: **25204**
Prep Date:	Analysis Date: **3/31/2015**	SeqNo: **744933** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	23	2.5	20.00	0	115	64.7	132	1.65	20	
Benzene	22	1.0	20.00	0.1280	109	77.5	121	0.603	20	
Toluene	21	1.0	20.00	0	103	78.6	122	1.72	20	
Ethylbenzene	19	1.0	20.00	0	97.1	78.1	128	1.96	20	
Xylenes, Total	58	2.0	60.00	0	96.5	80	120	0.785	20	
1,2,4-Trimethylbenzene	19	1.0	20.00	0	96.8	79.1	128	3.25	20	
1,3,5-Trimethylbenzene	20	1.0	20.00	0	98.4	80	120	1.86	20	
Surr: 4-Bromofluorobenzene	23		20.00		114	80	120	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1503D81**

06-Apr-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**5ML RB**	SampType:	**MBLK**	TestCode:	**EPA Method 8021B: Volatiles**		
Client ID:	**PBW**	Batch ID:	**R25204**	RunNo:	**25204**		
Prep Date:		Analysis Date:	**3/31/2015**	SeqNo:	**744944**	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	23		20.00		117	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1503D81**

06-Apr-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-18468**	SampType:	**MBLK**		TestCode:	**SM2540C MOD: Total Dissolved Solids**				
Client ID:	**PBW**	Batch ID:	**18468**		RunNo:	**25257**				
Prep Date:	**4/1/2015**	Analysis Date:	**4/2/2015**		SeqNo:	**746788**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	**LCS-18468**	SampType:	**LCS**		TestCode:	**SM2540C MOD: Total Dissolved Solids**				
Client ID:	**LCSW**	Batch ID:	**18468**		RunNo:	**25257**				
Prep Date:	**4/1/2015**	Analysis Date:	**4/2/2015**		SeqNo:	**746789**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1010	20.0	1000	0	101	80	120			

Sample ID	**1503D81-002CMS**	SampType:	**MS**		TestCode:	**SM2540C MOD: Total Dissolved Solids**				
Client ID:	**MW-2**	Batch ID:	**18468**		RunNo:	**25257**				
Prep Date:	**4/1/2015**	Analysis Date:	**4/2/2015**		SeqNo:	**746799**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	2630	40.0	2000	600.0	101	80	120			

Sample ID	**1503D81-002CMSD**	SampType:	**MSD**		TestCode:	**SM2540C MOD: Total Dissolved Solids**				
Client ID:	**MW-2**	Batch ID:	**18468**		RunNo:	**25257**				
Prep Date:	**4/1/2015**	Analysis Date:	**4/2/2015**		SeqNo:	**746800**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	2620	40.0	2000	600.0	101	80	120	0.229	5	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1503D81** RcptNo: 1

Received by/date: AT 03/31/15

Logged By: **Joe Archuleta** **3/31/2015 8:45:00 AM**

Completed By: **Ashley Gallegos** **3/31/2015 10:38:39 AM**

Reviewed By: 03/31/15

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
11. Were any sample containers received broken?	Yes ☐	No ☑	# of preserved bottles checked for pH:
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	(<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by:

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

Client: **Animas Environmental Services**

Mailing Address: **604 W. Pinon Street**
Farmington, NM 87401

Phone #: **505-564-2281**

email or Fax#: shinds@animasenvironmental.com

QA/QC Package:
X Standard ☐ Level 4 (Full Validation)

Accreditation:
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
X Standard ☐ Rush

Project Name: **BMG Landfarm**

Project #: **AES 040605**

Project Manager: **Stephanie Hinds**

Sampler: SH

On Ice: X Yes ☐ No

Sample Temperature: 1.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 8710
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1503081	BTEX 8021	TPH (GRO/DRO/MRO) 8015	TDS SM2540C	Chlorides 300.0	TPH 418.1	Air Bubbles (Y or N)
3/26/2015	14:26	H2O	MW-1	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-001	X	X	X	X		
3/26/2015	15:48	H2O	MW-2	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-002	X	X	X	X		
3/26/2015	12:26	H2O	MW-3	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-003	X	X	X	X		
3/26/2015	13:20	H2O	MW-4	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-004	X	X	X	X		
		H2O	Trip Blank		Cold	-005						

Date	Time	Relinquished by:	Received by:	Date	Time
3/30/15	1749	Stephanie Hinds	Chris Walte	3/30/15	1749
3/30/15	1855	Chris Walte		03/31/15	0845

Remarks: Call if questions.

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

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

April 08, 2015

Stephanie Hinds

Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX (505) 324-2022

RE: BMG Landfarm OrderNo.: 1503D89

Dear Stephanie Hinds:

Hall Environmental Analysis Laboratory received 16 sample(s) on 3/31/2015 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 qualifers 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 #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1503D89**
Date Reported: **4/8/2015**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #1 S-1
Project: BMG Landfarm
Collection Date: 3/27/2015 12:25:00 PM
Lab ID: 1503D89-001 **Matrix:** SOIL **Received Date:** 3/31/2015 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.048		mg/Kg	1	4/1/2015 12:47:36 PM	18445
Toluene	ND	0.048		mg/Kg	1	4/1/2015 12:47:36 PM	18445
Ethylbenzene	ND	0.048		mg/Kg	1	4/1/2015 12:47:36 PM	18445
Xylenes, Total	ND	0.095		mg/Kg	1	4/1/2015 12:47:36 PM	18445
Surr: 4-Bromofluorobenzene	104	80-120		%REC	1	4/1/2015 12:47:36 PM	18445
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	4/2/2015 4:06:21 PM	18493
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	4/3/2015 2:00:00 PM	18448

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #1 S-2
Project: BMG Landfarm
Collection Date: 3/27/2015 12:45:00 PM
Lab ID: 1503D89-002
Matrix: SOIL
Received Date: 3/31/2015 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.047		mg/Kg	1	4/1/2015 2:13:48 PM	18445
Toluene	ND	0.047		mg/Kg	1	4/1/2015 2:13:48 PM	18445
Ethylbenzene	ND	0.047		mg/Kg	1	4/1/2015 2:13:48 PM	18445
Xylenes, Total	ND	0.094		mg/Kg	1	4/1/2015 2:13:48 PM	18445
Surr: 4-Bromofluorobenzene	102	80-120		%REC	1	4/1/2015 2:13:48 PM	18445
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	4/2/2015 4:18:46 PM	18493
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	4/3/2015 2:00:00 PM	18448

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
E	Value above quantitation range
J	Analyte detected below quantitation limits
O	RSD is greater than RSDlimit
R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
RL	Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #1 S-3
Project: BMG Landfarm
Collection Date: 3/27/2015 1:10:00 PM
Lab ID: 1503D89-003
Matrix: SOIL
Received Date: 3/31/2015 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.046		mg/Kg	1	4/1/2015 2:42:30 PM	18445
Toluene	ND	0.046		mg/Kg	1	4/1/2015 2:42:30 PM	18445
Ethylbenzene	ND	0.046		mg/Kg	1	4/1/2015 2:42:30 PM	18445
Xylenes, Total	ND	0.092		mg/Kg	1	4/1/2015 2:42:30 PM	18445
Surr: 4-Bromofluorobenzene	103	80-120		%REC	1	4/1/2015 2:42:30 PM	18445
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	39	30		mg/Kg	20	4/2/2015 4:31:11 PM	18493
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	4/3/2015 2:00:00 PM	18448

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #1 S-4
Project: BMG Landfarm
Collection Date: 3/27/2015 1:40:00 PM
Lab ID: 1503D89-004 **Matrix:** SOIL **Received Date:** 3/31/2015 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.047		mg/Kg	1	4/1/2015 3:11:07 PM	18445
Toluene	ND	0.047		mg/Kg	1	4/1/2015 3:11:07 PM	18445
Ethylbenzene	ND	0.047		mg/Kg	1	4/1/2015 3:11:07 PM	18445
Xylenes, Total	ND	0.094		mg/Kg	1	4/1/2015 3:11:07 PM	18445
Surr: 4-Bromofluorobenzene	100	80-120		%REC	1	4/1/2015 3:11:07 PM	18445
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	730	30		mg/Kg	20	4/2/2015 4:43:35 PM	18493
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	4/3/2015 2:00:00 PM	18448

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #2 S-1
Project: BMG Landfarm
Collection Date: 3/27/2015 10:00:00 AM
Lab ID: 1503D89-005 **Matrix:** SOIL **Received Date:** 3/31/2015 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.049		mg/Kg	1	4/1/2015 3:39:55 PM	18445
Toluene	ND	0.049		mg/Kg	1	4/1/2015 3:39:55 PM	18445
Ethylbenzene	ND	0.049		mg/Kg	1	4/1/2015 3:39:55 PM	18445
Xylenes, Total	ND	0.099		mg/Kg	1	4/1/2015 3:39:55 PM	18445
Surr: 4-Bromofluorobenzene	99.9	80-120		%REC	1	4/1/2015 3:39:55 PM	18445
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	4/2/2015 4:55:59 PM	18493
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	4/3/2015 2:00:00 PM	18448

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #2 S-2
Project: BMG Landfarm
Collection Date: 3/27/2015 10:40:00 AM
Lab ID: 1503D89-006 **Matrix:** SOIL **Received Date:** 3/31/2015 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.049		mg/Kg	1	4/1/2015 4:08:37 PM	18445
Toluene	ND	0.049		mg/Kg	1	4/1/2015 4:08:37 PM	18445
Ethylbenzene	ND	0.049		mg/Kg	1	4/1/2015 4:08:37 PM	18445
Xylenes, Total	ND	0.098		mg/Kg	1	4/1/2015 4:08:37 PM	18445
Surr: 4-Bromofluorobenzene	98.3	80-120		%REC	1	4/1/2015 4:08:37 PM	18445
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	4/3/2015 12:11:33 PM	18510
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	4/3/2015 2:00:00 PM	18448

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #2 S-3
Project: BMG Landfarm
Collection Date: 3/27/2015 11:05:00 AM
Lab ID: 1503D89-007 **Matrix:** SOIL **Received Date:** 3/31/2015 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.047		mg/Kg	1	4/1/2015 4:37:23 PM	18445
Toluene	ND	0.047		mg/Kg	1	4/1/2015 4:37:23 PM	18445
Ethylbenzene	ND	0.047		mg/Kg	1	4/1/2015 4:37:23 PM	18445
Xylenes, Total	ND	0.093		mg/Kg	1	4/1/2015 4:37:23 PM	18445
Surr: 4-Bromofluorobenzene	98.8	80-120		%REC	1	4/1/2015 4:37:23 PM	18445
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	4/3/2015 12:48:46 PM	18510
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	4/3/2015 2:00:00 PM	18448

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #2 S-4
Project: BMG Landfarm
Collection Date: 3/27/2015 11:40:00 AM
Lab ID: 1503D89-008
Matrix: SOIL
Received Date: 3/31/2015 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.048		mg/Kg	1	4/1/2015 5:06:04 PM	18445
Toluene	ND	0.048		mg/Kg	1	4/1/2015 5:06:04 PM	18445
Ethylbenzene	ND	0.048		mg/Kg	1	4/1/2015 5:06:04 PM	18445
Xylenes, Total	ND	0.096		mg/Kg	1	4/1/2015 5:06:04 PM	18445
Surr: 4-Bromofluorobenzene	100	80-120		%REC	1	4/1/2015 5:06:04 PM	18445
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	4/3/2015 1:01:11 PM	18510
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	4/3/2015 2:00:00 PM	18448

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #3 S-1
Project: BMG Landfarm
Collection Date: 3/26/2015 4:50:00 PM
Lab ID: 1503D89-009
Matrix: SOIL
Received Date: 3/31/2015 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.048		mg/Kg	1	4/1/2015 5:34:48 PM	18445
Toluene	ND	0.048		mg/Kg	1	4/1/2015 5:34:48 PM	18445
Ethylbenzene	ND	0.048		mg/Kg	1	4/1/2015 5:34:48 PM	18445
Xylenes, Total	ND	0.096		mg/Kg	1	4/1/2015 5:34:48 PM	18445
Surr: 4-Bromofluorobenzene	99.6	80-120		%REC	1	4/1/2015 5:34:48 PM	18445
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	4/3/2015 1:13:36 PM	18510
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	4/3/2015 2:00:00 PM	18448

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #3 S-2
Project: BMG Landfarm
Collection Date: 3/26/2015 4:30:00 PM
Lab ID: 1503D89-010 **Matrix:** SOIL **Received Date:** 3/31/2015 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.048		mg/Kg	1	4/1/2015 6:03:31 PM	18445
Toluene	ND	0.048		mg/Kg	1	4/1/2015 6:03:31 PM	18445
Ethylbenzene	ND	0.048		mg/Kg	1	4/1/2015 6:03:31 PM	18445
Xylenes, Total	ND	0.096		mg/Kg	1	4/1/2015 6:03:31 PM	18445
Surr: 4-Bromofluorobenzene	98.0	80-120		%REC	1	4/1/2015 6:03:31 PM	18445
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	4/3/2015 1:26:01 PM	18510
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	4/3/2015 2:00:00 PM	18448

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #3 S-3
Project: BMG Landfarm
Collection Date: 3/26/2015 4:20:00 PM
Lab ID: 1503D89-011 **Matrix:** SOIL **Received Date:** 3/31/2015 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.050		mg/Kg	1	4/1/2015 8:26:59 PM	18445
Toluene	ND	0.050		mg/Kg	1	4/1/2015 8:26:59 PM	18445
Ethylbenzene	ND	0.050		mg/Kg	1	4/1/2015 8:26:59 PM	18445
Xylenes, Total	ND	0.10		mg/Kg	1	4/1/2015 8:26:59 PM	18445
Surr: 4-Bromofluorobenzene	97.3	80-120		%REC	1	4/1/2015 8:26:59 PM	18445
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	4/3/2015 1:38:25 PM	18510
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	63	20		mg/Kg	1	4/3/2015 2:00:00 PM	18448

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #3 S-4
Project: BMG Landfarm
Collection Date: 3/26/2015 4:10:00 PM
Lab ID: 1503D89-012
Matrix: SOIL
Received Date: 3/31/2015 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.049		mg/Kg	1	4/1/2015 8:55:41 PM	18445
Toluene	ND	0.049		mg/Kg	1	4/1/2015 8:55:41 PM	18445
Ethylbenzene	ND	0.049		mg/Kg	1	4/1/2015 8:55:41 PM	18445
Xylenes, Total	ND	0.098		mg/Kg	1	4/1/2015 8:55:41 PM	18445
Surr: 4-Bromofluorobenzene	98.8	80-120		%REC	1	4/1/2015 8:55:41 PM	18445
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	4/3/2015 1:50:50 PM	18510
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	4/3/2015 2:00:00 PM	18448

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #4 S-1
Project: BMG Landfarm
Collection Date: 3/26/2015 10:30:00 AM
Lab ID: 1503D89-013
Matrix: SOIL
Received Date: 3/31/2015 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.048		mg/Kg	1	4/1/2015 9:24:22 PM	18445
Toluene	ND	0.048		mg/Kg	1	4/1/2015 9:24:22 PM	18445
Ethylbenzene	ND	0.048		mg/Kg	1	4/1/2015 9:24:22 PM	18445
Xylenes, Total	ND	0.096		mg/Kg	1	4/1/2015 9:24:22 PM	18445
Surr: 4-Bromofluorobenzene	102	80-120		%REC	1	4/1/2015 9:24:22 PM	18445
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	4/3/2015 3:30:05 PM	18510
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	4/3/2015 2:00:00 PM	18448

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #4 S-2
Project: BMG Landfarm
Collection Date: 3/26/2015 10:55:00 AM
Lab ID: 1503D89-014
Matrix: SOIL
Received Date: 3/31/2015 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.049		mg/Kg	1	4/1/2015 9:53:03 PM	18445
Toluene	ND	0.049		mg/Kg	1	4/1/2015 9:53:03 PM	18445
Ethylbenzene	ND	0.049		mg/Kg	1	4/1/2015 9:53:03 PM	18445
Xylenes, Total	ND	0.098		mg/Kg	1	4/1/2015 9:53:03 PM	18445
Surr: 4-Bromofluorobenzene	99.9	80-120		%REC	1	4/1/2015 9:53:03 PM	18445
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	4/3/2015 4:07:19 PM	18510
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	4/3/2015 2:00:00 PM	18448

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #4 S-3
Project: BMG Landfarm
Collection Date: 3/26/2015 11:15:00 AM
Lab ID: 1503D89-015
Matrix: SOIL
Received Date: 3/31/2015 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.047		mg/Kg	1	4/1/2015 10:21:46 PM	18445
Toluene	ND	0.047		mg/Kg	1	4/1/2015 10:21:46 PM	18445
Ethylbenzene	ND	0.047		mg/Kg	1	4/1/2015 10:21:46 PM	18445
Xylenes, Total	ND	0.095		mg/Kg	1	4/1/2015 10:21:46 PM	18445
Surr: 4-Bromofluorobenzene	97.5	80-120		%REC	1	4/1/2015 10:21:46 PM	18445
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	4/3/2015 4:19:43 PM	18510
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	4/3/2015 2:00:00 PM	18448

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #4 S-4
Project: BMG Landfarm
Collection Date: 3/26/2015 11:35:00 AM
Lab ID: 1503D89-016 **Matrix:** SOIL **Received Date:** 3/31/2015 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.048		mg/Kg	1	4/1/2015 10:50:28 PM	18445
Toluene	ND	0.048		mg/Kg	1	4/1/2015 10:50:28 PM	18445
Ethylbenzene	ND	0.048		mg/Kg	1	4/1/2015 10:50:28 PM	18445
Xylenes, Total	ND	0.096		mg/Kg	1	4/1/2015 10:50:28 PM	18445
Surr: 4-Bromofluorobenzene	99.2	80-120		%REC	1	4/1/2015 10:50:28 PM	18445
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	4/3/2015 4:32:08 PM	18510
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	4/3/2015 2:00:00 PM	18448

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1503D89**

08-Apr-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-18493**	SampType:	**MBLK**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**PBS**	Batch ID:	**18493**		RunNo:	**25277**				
Prep Date:	**4/2/2015**	Analysis Date:	**4/2/2015**		SeqNo:	**747465**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-18493**	SampType:	**LCS**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**LCSS**	Batch ID:	**18493**		RunNo:	**25277**				
Prep Date:	**4/2/2015**	Analysis Date:	**4/2/2015**		SeqNo:	**747466**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.5	90	110			

Sample ID	**MB-18510**	SampType:	**MBLK**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**PBS**	Batch ID:	**18510**		RunNo:	**25318**				
Prep Date:	**4/3/2015**	Analysis Date:	**4/3/2015**		SeqNo:	**749017**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-18510**	SampType:	**LCS**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**LCSS**	Batch ID:	**18510**		RunNo:	**25318**				
Prep Date:	**4/3/2015**	Analysis Date:	**4/3/2015**		SeqNo:	**749018**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.4	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1503D89**

08-Apr-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-18448**	SampType:	**MBLK**		TestCode:	**EPA Method 418.1: TPH**				
Client ID:	**PBS**	Batch ID:	**18448**		RunNo:	**25286**				
Prep Date:	**3/31/2015**	Analysis Date:	**4/3/2015**		SeqNo:	**747727**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	**LCS-18448**	SampType:	**LCS**		TestCode:	**EPA Method 418.1: TPH**				
Client ID:	**LCSS**	Batch ID:	**18448**		RunNo:	**25286**				
Prep Date:	**3/31/2015**	Analysis Date:	**4/3/2015**		SeqNo:	**747728**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	98	20	100.0	0	97.6	86.7	126			

Sample ID	**LCSD-18448**	SampType:	**LCSD**		TestCode:	**EPA Method 418.1: TPH**				
Client ID:	**LCSS02**	Batch ID:	**18448**		RunNo:	**25286**				
Prep Date:	**3/31/2015**	Analysis Date:	**4/3/2015**		SeqNo:	**747729**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	95	20	100.0	0	95.0	86.7	126	2.76	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1503D89**

08-Apr-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**1503D89-001AMS**	SampType:	**MS**		TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**VZ Cell #1 S-1**	Batch ID:	**18445**		RunNo:	**25231**					
Prep Date:	**3/31/2015**	Analysis Date:	**4/1/2015**		SeqNo:	**746100**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	1.2	0.047	0.9479	0	130	69.2	126			S	
Toluene	1.2	0.047	0.9479	0	128	65.6	128				
Ethylbenzene	1.2	0.047	0.9479	0	131	65.5	138				
Xylenes, Total	3.7	0.095	2.844	0.02483	129	63	139				
Surr: 4-Bromofluorobenzene	1.0		0.9479		110	80	120				

Sample ID	**1503D89-001AMSD**	SampType:	**MSD**		TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**VZ Cell #1 S-1**	Batch ID:	**18445**		RunNo:	**25231**					
Prep Date:	**3/31/2015**	Analysis Date:	**4/1/2015**		SeqNo:	**746101**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	1.2	0.048	0.9506	0	131	69.2	126	0.481	18.5	S	
Toluene	1.2	0.048	0.9506	0	128	65.6	128	0.840	20.6	S	
Ethylbenzene	1.2	0.048	0.9506	0	131	65.5	138	0.458	20.1		
Xylenes, Total	3.7	0.095	2.852	0.02483	128	63	139	0.0257	21.1		
Surr: 4-Bromofluorobenzene	1.0		0.9506		110	80	120	0	0		

Sample ID	**LCS-18445**	SampType:	**LCS**		TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**LCSS**	Batch ID:	**18445**		RunNo:	**25231**					
Prep Date:	**3/31/2015**	Analysis Date:	**4/1/2015**		SeqNo:	**746117**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	1.3	0.050	1.000	0	125	76.6	128				
Toluene	1.2	0.050	1.000	0	119	75	124				
Ethylbenzene	1.2	0.050	1.000	0	116	79.5	126				
Xylenes, Total	3.5	0.10	3.000	0	115	78.8	124				
Surr: 4-Bromofluorobenzene	1.1		1.000		108	80	120				

Sample ID	**MB-18445**	SampType:	**MBLK**		TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**PBS**	Batch ID:	**18445**		RunNo:	**25231**					
Prep Date:	**3/31/2015**	Analysis Date:	**4/1/2015**		SeqNo:	**746118**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.050									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120				

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1503D89** RcptNo: **1**

Received by/date: AT 03/31/15

Logged By: **Ashley Gallegos** **3/31/2015 8:45:00 AM**

Completed By: **Ashley Gallegos** **3/31/2015 11:40:21 AM**

Reviewed By: 03/31/15

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by:

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

Client:	**Animas Environmental Services**
Mailing Address:	**604 W. Pinon Street**
	Farmington, NM 87401
Phone #:	**505-564-2281**
email or Fax#:	shinds@animasenvironmental.com
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other_____
□ EDD (Type)	_____

Turn-Around Time:
X Standard □ Rush_____

Project Name: **BMG Landfarm**

Project #: **AES 040605**

Project Manager: **Stephanie Hinds**

Sampler: SH

On Ice: X Yes □ No

Sample Temperature: 1.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 8710
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1503D89	BTEX 8021	Chlorides 300.0	TPH 418.1							Air Bubbles (Y or N)
3/27/2015	12:25	Soil	VZ Cell #1 S-1		Cool	-001	X	X	X							
3/27/2015	12:45	Soil	VZ Cell #1 S-2		Cool	-002	X	X	X							
3/27/2015	13:10	Soil	VZ Cell #1 S-3		Cool	-003	X	X	X							
3/27/2015	13:40	Soil	VZ Cell #1 S-4		Cool	-004	X	X	X							
3/27/2015	10:00	Soil	VZ Cell #2 S-1		Cool	-005	X	X	X							
3/27/2015	10:40	Soil	VZ Cell #2 S-2		Cool	-006	X	X	X							
3/27/2015	11:05	Soil	VZ Cell #2 S-3		Cool	-007	X	X	X							
3/27/2015	11:40	Soil	VZ Cell #2 S-4		Cool	-008	X	X	X							

Chain-of-Custody Record

Client: **Animas Environmental Services**

Mailing Address: **604 W. Pinon Street**
Farmington, NM 87401

Phone #: **505-564-2281**

email or Fax#: shinds@animasenvironmental.com

QA/QC Package:
X Standard □ Level 4 (Full Validation)

Accreditation:
□ NELAP □ Other_____
□ EDD (Type) _____

Turn-Around Time:
X Standard □ Rush_____

Project Name: **BMG Landfarm**

Project #: **AES 040605**

Project Manager: **Stephanie Hinds**

Sampler:

On Ice: X Yes □ No

Sample Temperature: 1.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 8710
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1503D89	BTEX 8021	Chlorides 300.0	TPH 418.1							Air Bubbles (Y or N)
3/26/2015	16:50	Soil	VZ Cell #3 S-1		Cool	-009	X	X	X							
3/26/2015	16:30	Soil	VZ Cell #3 S-2		Cool	-010	X	X	X							
3/26/2015	16:20	Soil	VZ Cell #3 S-3		Cool	-011	X	X	X							
3/26/2015	16:10	Soil	VZ Cell #3 S-4		Cool	-012	X	X	X							
3/26/2015	10:30	Soil	VZ Cell #4 S-1		Cool	-013	X	X	X							
3/26/2015	10:55	Soil	VZ Cell #4 S-2		Cool	-014	X	X	X							
3/26/2015	11:15	Soil	VZ Cell #4 S-3		Cool	-015	X	X	X							
3/26/2015	11:35	Soil	VZ Cell #4 S-4		Cool	-016	X	X	X							

Date:	Time:	Relinquished by:	Received by:	Date	Time
3/30/15	1745	Stephanie Hinds	Grant Waeg	3/30/15	1749
3/30/15	1855	Natalie Walker		03/31/15	0845

Remarks: Call if questions.

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

April 07, 2015

Stephanie Hinds

Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG Landfarm OrderNo.: 1504011

Dear Stephanie Hinds:

Hall Environmental Analysis Laboratory received 4 sample(s) on 3/31/2015 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 qualifers 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 #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order: **1504011**
Date Reported: **4/7/2015**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Project: BMG Landfarm
Lab Order: 1504011

Lab ID: 1504011-001 **Collection Date:** 3/27/2015 1:50:00 PM
Client Sample ID: TZ Cell #1 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	4/3/2015 5:09:22 PM	18511
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	5600	190		mg/Kg	10	4/3/2015 2:00:00 PM	18482

Lab ID: 1504011-002 **Collection Date:** 3/27/2015 9:50:00 AM
Client Sample ID: TZ Cell #2 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	4/3/2015 5:46:35 PM	18511
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	160	19		mg/Kg	1	4/3/2015 2:00:00 PM	18482

Lab ID: 1504011-003 **Collection Date:** 3/26/2015 4:40:00 PM
Client Sample ID: TZ Cell #3 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	4/3/2015 5:59:00 PM	18511
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	98	19		mg/Kg	1	4/3/2015 2:00:00 PM	18482

Lab ID: 1504011-004 **Collection Date:** 3/26/2015 10:50:00 AM
Client Sample ID: TZ Cell #4 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	4/3/2015 6:36:14 PM	18511
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	2200	200		mg/Kg	10	4/3/2015 2:00:00 PM	18482

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1504011**

07-Apr-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-18511**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**18511**	RunNo:	**25318**					
Prep Date:	**4/3/2015**	Analysis Date:	**4/3/2015**	SeqNo:	**749051**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-18511**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**18511**	RunNo:	**25318**					
Prep Date:	**4/3/2015**	Analysis Date:	**4/3/2015**	SeqNo:	**749052**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.2	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1504011**

07-Apr-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-18482**	SampType:	**MBLK**		TestCode:	**EPA Method 418.1: TPH**				
Client ID:	**PBS**	Batch ID:	**18482**		RunNo:	**25286**				
Prep Date:	**4/2/2015**	Analysis Date:	**4/3/2015**		SeqNo:	**747717**	Units:	**mg/Kg**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	**LCS-18482**	SampType:	**LCS**		TestCode:	**EPA Method 418.1: TPH**				
Client ID:	**LCSS**	Batch ID:	**18482**		RunNo:	**25286**				
Prep Date:	**4/2/2015**	Analysis Date:	**4/3/2015**		SeqNo:	**747718**	Units:	**mg/Kg**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	100	20	100.0	0	100	86.7	126			

Sample ID	**LCSD-18482**	SampType:	**LCSD**		TestCode:	**EPA Method 418.1: TPH**				
Client ID:	**LCSS02**	Batch ID:	**18482**		RunNo:	**25286**				
Prep Date:	**4/2/2015**	Analysis Date:	**4/3/2015**		SeqNo:	**747719**	Units:	**mg/Kg**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	100	20	100.0	0	102	86.7	126	1.32	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1504011 RcptNo: 1

Received by/date: AT 03/31/15

Logged By: **Lindsay Mangin** 3/31/2015 8:45:00 AM

Completed By: **Lindsay Mangin** 4/1/2015 9:58:25 AM

Reviewed By: JA 04/01/15

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

Client:	**Animas Environmental Services**
Mailing Address:	**604 W. Pinon Street**
	Farmington, NM 87401
Phone #:	**505-564-2281**
email or Fax#:	shinds@animasenvironmental.com
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other_____
□ EDD (Type)	

Turn-Around Time:

X Standard □ **Rush**_____

Project Name: **BMG Landfarm**

Project #: **AES 040605**

Project Manager: **Stephanie Hinds**

Sampler: SH

On Ice: X Yes □ No

Sample Temperature: 1.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 8710[illegible]

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1502011	Chlorides 300.0	TPH 418.1	Air Bubbles (Y or N)
3/27/2015	13:50	Soil	TZ Cell #1	8oz JAR	Cool	-001	X	X	
3/27/2015	9:50	Soil	TZ Cell #2		Cool	-002	X	X	
3/26/2015	16:40	Soil	TZ Cell #3		Cool	-003	X	X	
3/26/2015	10:50	Soil	TZ Cell #4		Cool	-004	X	X	

Date: 3/30/15	Time: 1749	Relinquished by: Stephanie Hinds	Received by: Mat Walker	Date 3/30/15	Time 1749
Date: 3/30/15	Time: 1855	Relinquished by: Mat Walker	Received by:	Date 03/31/15	Time 0845

Remarks: Call if questions.

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

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

May 11, 2015

Elizabeth McNally

Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG Landfarm and Evaporation Pond OrderNo.: 1505352

Dear Elizabeth McNally:

Hall Environmental Analysis Laboratory received 4 sample(s) on 5/8/2015 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 qualifers 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 #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 SC-1
Project: BMG Landfarm and Evaporation Pond
Collection Date: 5/7/2015 1:06:00 PM
Lab ID: 1505352-001
Matrix: MEOH (SOIL)
Received Date: 5/8/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	86	10		mg/Kg	1	5/8/2015 9:16:40 AM	19128
Motor Oil Range Organics (MRO)	160	50		mg/Kg	1	5/8/2015 9:16:40 AM	19128
Surr: DNOP	94.1	57.9-140		%REC	1	5/8/2015 9:16:40 AM	19128
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.1		mg/Kg	1	5/8/2015 11:49:42 AM	19119
Surr: BFB	90.4	80-120		%REC	1	5/8/2015 11:49:42 AM	19119
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.041		mg/Kg	1	5/8/2015 11:49:42 AM	19119
Toluene	ND	0.041		mg/Kg	1	5/8/2015 11:49:42 AM	19119
Ethylbenzene	ND	0.041		mg/Kg	1	5/8/2015 11:49:42 AM	19119
Xylenes, Total	ND	0.081		mg/Kg	1	5/8/2015 11:49:42 AM	19119
Surr: 4-Bromofluorobenzene	100	80-120		%REC	1	5/8/2015 11:49:42 AM	19119
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	5/8/2015 11:02:52 AM	19131

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 SC-2
Project: BMG Landfarm and Evaporation Pond
Collection Date: 5/7/2015 1:25:00 PM
Lab ID: 1505352-002
Matrix: MEOH (SOIL)
Received Date: 5/8/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	660	98		mg/Kg	10	5/8/2015 10:10:28 AM	19128
Motor Oil Range Organics (MRO)	1200	490		mg/Kg	10	5/8/2015 10:10:28 AM	19128
Surr: DNOP	0	57.9-140	S	%REC	10	5/8/2015 10:10:28 AM	19128
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/8/2015 12:18:29 PM	19119
Surr: BFB	90.9	80-120		%REC	1	5/8/2015 12:18:29 PM	19119
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	5/8/2015 12:18:29 PM	19119
Toluene	ND	0.047		mg/Kg	1	5/8/2015 12:18:29 PM	19119
Ethylbenzene	ND	0.047		mg/Kg	1	5/8/2015 12:18:29 PM	19119
Xylenes, Total	ND	0.095		mg/Kg	1	5/8/2015 12:18:29 PM	19119
Surr: 4-Bromofluorobenzene	101	80-120		%REC	1	5/8/2015 12:18:29 PM	19119
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	5/8/2015 11:15:16 AM	19131

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 SC-3
Project: BMG Landfarm and Evaporation Pond
Collection Date: 5/7/2015 1:36:00 PM
Lab ID: 1505352-003
Matrix: MEOH (SOIL)
Received Date: 5/8/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	89	49		mg/Kg	10	5/8/2015 10:37:32 AM	19128
Motor Oil Range Organics (MRO)	520	490		mg/Kg	10	5/8/2015 10:37:32 AM	19128
Surr: DNOP	0	57.9-140	S	%REC	10	5/8/2015 10:37:32 AM	19128
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	2.8		mg/Kg	1	5/8/2015 12:47:12 PM	19119
Surr: BFB	92.9	80-120		%REC	1	5/8/2015 12:47:12 PM	19119
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.028		mg/Kg	1	5/8/2015 12:47:12 PM	19119
Toluene	ND	0.028		mg/Kg	1	5/8/2015 12:47:12 PM	19119
Ethylbenzene	ND	0.028		mg/Kg	1	5/8/2015 12:47:12 PM	19119
Xylenes, Total	ND	0.055		mg/Kg	1	5/8/2015 12:47:12 PM	19119
Surr: 4-Bromofluorobenzene	105	80-120		%REC	1	5/8/2015 12:47:12 PM	19119
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	5/8/2015 11:27:41 AM	19131

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 SC-4
Project: BMG Landfarm and Evaporation Pond
Collection Date: 5/7/2015 1:48:00 PM
Lab ID: 1505352-004
Matrix: MEOH (SOIL)
Received Date: 5/8/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	270	99		mg/Kg	10	5/8/2015 11:04:31 AM	19128
Motor Oil Range Organics (MRO)	810	500		mg/Kg	10	5/8/2015 11:04:31 AM	19128
Surr: DNOP	0	57.9-140	S	%REC	10	5/8/2015 11:04:31 AM	19128
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	2.9		mg/Kg	1	5/8/2015 1:15:58 PM	19119
Surr: BFB	91.4	80-120		%REC	1	5/8/2015 1:15:58 PM	19119
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.029		mg/Kg	1	5/8/2015 1:15:58 PM	19119
Toluene	ND	0.029		mg/Kg	1	5/8/2015 1:15:58 PM	19119
Ethylbenzene	ND	0.029		mg/Kg	1	5/8/2015 1:15:58 PM	19119
Xylenes, Total	ND	0.057		mg/Kg	1	5/8/2015 1:15:58 PM	19119
Surr: 4-Bromofluorobenzene	103	80-120		%REC	1	5/8/2015 1:15:58 PM	19119
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	5/8/2015 11:40:06 AM	19131

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1505352**

11-May-15

Client: Animas Environmental Services

Project: BMG Landfarm and Evaporation Pond

Sample ID	**MB-19131**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**19131**	RunNo:	**26097**					
Prep Date:	**5/8/2015**	Analysis Date:	**5/8/2015**	SeqNo:	**773978**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-19131**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**19131**	RunNo:	**26097**					
Prep Date:	**5/8/2015**	Analysis Date:	**5/8/2015**	SeqNo:	**773979**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.9	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1505352**

11-May-15

Client: Animas Environmental Services

Project: BMG Landfarm and Evaporation Pond

Sample ID **MB-19065**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **19065**	RunNo: **26027**
Prep Date: **5/5/2015**	Analysis Date: **5/7/2015**	SeqNo: **772488** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	13		10.00		134	57.9	140			

Sample ID **LCS-19065**	SampType: **LCS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **19065**	RunNo: **26027**
Prep Date: **5/5/2015**	Analysis Date: **5/7/2015**	SeqNo: **772489** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	6.4		5.000		128	57.9	140			

Sample ID **MB-19128**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **19128**	RunNo: **26027**
Prep Date: **5/8/2015**	Analysis Date: **5/8/2015**	SeqNo: **772490** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		101	57.9	140			

Sample ID **LCS-19128**	SampType: **LCS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **19128**	RunNo: **26027**
Prep Date: **5/8/2015**	Analysis Date: **5/8/2015**	SeqNo: **772491** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	101	67.8	130			
Surr: DNOP	5.4		5.000		108	57.9	140			

Sample ID **1505352-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **Cell #3 SC-1**	Batch ID: **19128**	RunNo: **26027**
Prep Date: **5/8/2015**	Analysis Date: **5/8/2015**	SeqNo: **772944** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	140	9.8	48.78	86.24	119	42.3	146			
Surr: DNOP	5.0		4.878		102	57.9	140			

Sample ID **1505352-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **Cell #3 SC-1**	Batch ID: **19128**	RunNo: **26027**
Prep Date: **5/8/2015**	Analysis Date: **5/8/2015**	SeqNo: **772994** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	140	10	50.45	86.24	116	42.3	146	0.308	28.9	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1505352**

11-May-15

Client: Animas Environmental Services

Project: BMG Landfarm and Evaporation Pond

Sample ID	**1505352-001AMSD**	SampType:	**MSD**		TestCode:	**EPA Method 8015D: Diesel Range Organics**				
Client ID:	**Cell #3 SC-1**	Batch ID:	**19128**		RunNo:	**26027**				
Prep Date:	**5/8/2015**	Analysis Date:	**5/8/2015**		SeqNo:	**772994**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.1		5.045		100	57.9	140	0	0	

Sample ID	**MB-19137**	SampType:	**MBLK**		TestCode:	**EPA Method 8015D: Diesel Range Organics**				
Client ID:	**PBS**	Batch ID:	**19137**		RunNo:	**26059**				
Prep Date:	**5/8/2015**	Analysis Date:	**5/9/2015**		SeqNo:	**773961**	Units:	**%REC**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	7.3		10.00		72.9	57.9	140			

Sample ID	**LCS-19137**	SampType:	**LCS**		TestCode:	**EPA Method 8015D: Diesel Range Organics**				
Client ID:	**LCSS**	Batch ID:	**19137**		RunNo:	**26059**				
Prep Date:	**5/8/2015**	Analysis Date:	**5/9/2015**		SeqNo:	**773962**	Units:	**%REC**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.5		5.000		109	57.9	140			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1505352**

11-May-15

Client: Animas Environmental Services

Project: BMG Landfarm and Evaporation Pond

Sample ID **MB-19119**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **19119**	RunNo: **26061**
Prep Date: **5/7/2015**	Analysis Date: **5/8/2015**	SeqNo: **773617** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	900		1000		89.8	80	120			

Sample ID **LCS-19119**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **19119**	RunNo: **26061**
Prep Date: **5/7/2015**	Analysis Date: **5/8/2015**	SeqNo: **773618** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.5	64	130			
Surr: BFB	990		1000		98.9	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1505352**

11-May-15

Client: Animas Environmental Services

Project: BMG Landfarm and Evaporation Pond

Sample ID **MB-19119**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **19119**	RunNo: **26061**
Prep Date: **5/7/2015**	Analysis Date: **5/8/2015**	SeqNo: **773623** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			

Sample ID **LCS-19119**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **19119**	RunNo: **26061**
Prep Date: **5/7/2015**	Analysis Date: **5/8/2015**	SeqNo: **773624** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	105	76.6	128			
Toluene	1.0	0.050	1.000	0	103	75	124			
Ethylbenzene	1.0	0.050	1.000	0	105	79.5	126			
Xylenes, Total	3.1	0.10	3.000	0	103	78.8	124			
Surr: 4-Bromofluorobenzene	1.1		1.000		108	80	120			

Sample ID **LCSD-19119**	SampType: **LCSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS02**	Batch ID: **19119**	RunNo: **26061**
Prep Date:	Analysis Date: **5/8/2015**	SeqNo: **773625** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	105	76.6	128	0.205	20	
Toluene	1.1	0.050	1.000	0	105	75	124	2.14	20	
Ethylbenzene	1.1	0.050	1.000	0	106	79.5	126	1.61	20	
Xylenes, Total	3.1	0.10	3.000	0	104	78.8	124	0.698	20	
Surr: 4-Bromofluorobenzene	1.1		1.000		108	80	120	0		

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1505352** RcptNo: 1

Received by/date: 05/08/15

Logged By: **Lindsay Mangin** 5/8/2015 7:00:00 AM

Completed By: **Lindsay Mangin** 5/8/2015 7:27:27 AM

Reviewed By: 5/8/15

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by:

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.6	Good	Yes			

Chain-of-Custody Record

Client: Animas Environmental Services

Mailing Address: 604 W Pinon St.
Farmington NM 87401

Phone #: 505-564-2281

email or Fax#: emcnally@animasenvironmental.com

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____
☐ EDD (Type) _____

Turn-Around Time:
☐ Standard ☒ Rush Same Day

Project Name:
BMG Landfarm and Evaporation Pond

Project #:

Project Manager:
E. McNally

Sampler: SG/CL
On Ice: ☒ Yes ☐ No
Sample Temperature: 1.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1505352	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Chlorides 300.1				Air Bubbles (Y or N)
5/1/15	1306	Soil	Cell #3 SC-1	4oz Kur Meoh Lit	Cool Meoh	-001	X		X									X				
	1325		Cell #3 SC-2			-002	X		X									X				
	1336		Cell #3 SC-3			-003	X		X									X				
	1348		Cell #3 SC-4			-004	X		X									X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
5/7/15	1723			5/7/15	1723
5/7/15	1800			05/08/15	0700

Remarks:

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

July 10, 2015

Stephanie Hinds

Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG Landfarm OrderNo.: 1506B99

Dear Stephanie Hinds:

Hall Environmental Analysis Laboratory received 5 sample(s) on 6/25/2015 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 qualifers 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 #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-1
Project: BMG Landfarm
Collection Date: 6/23/2015 10:51:00 AM
Lab ID: 1506B99-001
Matrix: AQUEOUS
Received Date: 6/25/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	61	5.0		mg/L	10	6/26/2015 8:49:45 AM	R27111
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	720	200	*	mg/L	1	6/30/2015 6:01:00 PM	20000
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/26/2015 4:09:52 PM	19970
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/26/2015 4:09:52 PM	19970
Surr: DNOP	108	76.5-150		%REC	1	6/26/2015 4:09:52 PM	19970
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.10		mg/L	2	6/30/2015 2:01:43 PM	R27194
Surr: BFB	83.4	57.8-137		%REC	2	6/30/2015 2:01:43 PM	R27194
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	2.0		µg/L	2	6/30/2015 2:01:43 PM	R27194
Toluene	ND	2.0		µg/L	2	6/30/2015 2:01:43 PM	R27194
Ethylbenzene	ND	2.0		µg/L	2	6/30/2015 2:01:43 PM	R27194
Xylenes, Total	ND	4.0		µg/L	2	6/30/2015 2:01:43 PM	R27194
Surr: 4-Bromofluorobenzene	109	80-120		%REC	2	6/30/2015 2:01:43 PM	R27194

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-2
Project: BMG Landfarm
Collection Date: 6/23/2015 11:22:00 AM
Lab ID: 1506B99-002
Matrix: AQUEOUS
Received Date: 6/25/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	33	5.0		mg/L	10	6/26/2015 9:39:23 AM	R27111
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	720	200	*	mg/L	1	6/30/2015 6:01:00 PM	20000
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/26/2015 4:31:19 PM	19970
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/26/2015 4:31:19 PM	19970
Surr: DNOP	111	76.5-150		%REC	1	6/26/2015 4:31:19 PM	19970
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.10		mg/L	2	6/30/2015 3:17:19 PM	R27194
Surr: BFB	85.6	57.8-137		%REC	2	6/30/2015 3:17:19 PM	R27194
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	2.0		µg/L	2	6/30/2015 3:17:19 PM	R27194
Toluene	ND	2.0		µg/L	2	6/30/2015 3:17:19 PM	R27194
Ethylbenzene	ND	2.0		µg/L	2	6/30/2015 3:17:19 PM	R27194
Xylenes, Total	ND	4.0		µg/L	2	6/30/2015 3:17:19 PM	R27194
Surr: 4-Bromofluorobenzene	114	80-120		%REC	2	6/30/2015 3:17:19 PM	R27194

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-3
Project: BMG Landfarm
Collection Date: 6/23/2015 11:58:00 AM
Lab ID: 1506B99-003
Matrix: AQUEOUS
Received Date: 6/25/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	24	5.0		mg/L	10	6/26/2015 10:29:01 AM	R27111
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	680	200	*	mg/L	1	6/30/2015 6:01:00 PM	20000
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/26/2015 4:52:53 PM	19970
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/26/2015 4:52:53 PM	19970
Surr: DNOP	107	76.5-150		%REC	1	6/26/2015 4:52:53 PM	19970
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.10		mg/L	2	6/30/2015 4:32:50 PM	R27194
Surr: BFB	85.7	57.8-137		%REC	2	6/30/2015 4:32:50 PM	R27194
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	2.0		µg/L	2	6/30/2015 4:32:50 PM	R27194
Toluene	ND	2.0		µg/L	2	6/30/2015 4:32:50 PM	R27194
Ethylbenzene	ND	2.0		µg/L	2	6/30/2015 4:32:50 PM	R27194
Xylenes, Total	ND	4.0		µg/L	2	6/30/2015 4:32:50 PM	R27194
Surr: 4-Bromofluorobenzene	114	80-120		%REC	2	6/30/2015 4:32:50 PM	R27194

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-4
Project: BMG Landfarm
Collection Date: 6/23/2015 10:25:00 AM
Lab ID: 1506B99-004
Matrix: AQUEOUS
Received Date: 6/25/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	73	5.0		mg/L	10	6/26/2015 10:53:51 AM	R27111
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	1090	200	*	mg/L	1	6/30/2015 6:01:00 PM	20000
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/26/2015 5:14:19 PM	19970
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/26/2015 5:14:19 PM	19970
Surr: DNOP	105	76.5-150		%REC	1	6/26/2015 5:14:19 PM	19970
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.10		mg/L	2	6/30/2015 4:58:09 PM	R27194
Surr: BFB	83.8	57.8-137		%REC	2	6/30/2015 4:58:09 PM	R27194
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	2.0		µg/L	2	6/30/2015 4:58:09 PM	R27194
Toluene	ND	2.0		µg/L	2	6/30/2015 4:58:09 PM	R27194
Ethylbenzene	ND	2.0		µg/L	2	6/30/2015 4:58:09 PM	R27194
Xylenes, Total	ND	4.0		µg/L	2	6/30/2015 4:58:09 PM	R27194
Surr: 4-Bromofluorobenzene	109	80-120		%REC	2	6/30/2015 4:58:09 PM	R27194

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Trip Blank
Project: BMG Landfarm
Collection Date:
Lab ID: 1506B99-005 **Matrix:** AQUEOUS **Received Date:** 6/25/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/30/2015 7:29:28 PM	R27194
Surr: BFB	84.4	57.8-137		%REC	1	6/30/2015 7:29:28 PM	R27194
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	6/30/2015 7:29:28 PM	R27194
Toluene	ND	1.0		µg/L	1	6/30/2015 7:29:28 PM	R27194
Ethylbenzene	ND	1.0		µg/L	1	6/30/2015 7:29:28 PM	R27194
Xylenes, Total	ND	2.0		µg/L	1	6/30/2015 7:29:28 PM	R27194
Surr: 4-Bromofluorobenzene	110	80-120		%REC	1	6/30/2015 7:29:28 PM	R27194

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1506B99**

10-Jul-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R27111**	RunNo:	**27111**					
Prep Date:		Analysis Date:	**6/26/2015**	SeqNo:	**810729**	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:	**R27111**	RunNo:	**27111**					
Prep Date:		Analysis Date:	**6/26/2015**	SeqNo:	**810730**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	5.0	0.50	5.000	0	100	90	110			

Sample ID	**1506B99-002CMS**	SampType:	**MS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**MW-2**	Batch ID:	**R27111**	RunNo:	**27111**					
Prep Date:		Analysis Date:	**6/26/2015**	SeqNo:	**810759**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	85	5.0	50.00	32.81	104	81.2	116			

Sample ID	**1506B99-002CMSD**	SampType:	**MSD**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**MW-2**	Batch ID:	**R27111**	RunNo:	**27111**					
Prep Date:		Analysis Date:	**6/26/2015**	SeqNo:	**810760**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	84	5.0	50.00	32.81	103	81.2	116	0.155	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1506B99**

10-Jul-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-19970**	SampType:	**MBLK**	TestCode:	**EPA Method 8015M/D: Diesel Range**					
Client ID:	**PBW**	Batch ID:	**19970**	RunNo:	**27108**					
Prep Date:	**6/26/2015**	Analysis Date:	**6/26/2015**	SeqNo:	**811847**	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	1.0		1.000		102	76.5	150			

Sample ID	**LCS-19970**	SampType:	**LCS**	TestCode:	**EPA Method 8015M/D: Diesel Range**					
Client ID:	**LCSW**	Batch ID:	**19970**	RunNo:	**27108**					
Prep Date:	**6/26/2015**	Analysis Date:	**6/26/2015**	SeqNo:	**811848**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	4.7	1.0	5.000	0	94.8	60.1	156			
Surr: DNOP	0.48		0.5000		96.6	76.5	150			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1506B99**

10-Jul-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**5ML RBC**	SampType:	**MBLK**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**PBW**	Batch ID:	**R27194**		RunNo:	**27194**				
Prep Date:		Analysis Date:	**6/30/2015**		SeqNo:	**814540**	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	17		20.00		83.8	57.8	137			

Sample ID	**2.5UG GRO LCS**	SampType:	**LCS**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**LCSW**	Batch ID:	**R27194**		RunNo:	**27194**				
Prep Date:		Analysis Date:	**6/30/2015**		SeqNo:	**814542**	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	80	120			
Surr: BFB	18		20.00		90.1	57.8	137			

Sample ID	**1506B99-001AMS**	SampType:	**MS**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**MW-1**	Batch ID:	**R27194**		RunNo:	**27194**				
Prep Date:		Analysis Date:	**6/30/2015**		SeqNo:	**814550**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.92	0.10	1.000	0	92.2	51	131			
Surr: BFB	38		40.00		94.9	57.8	137			

Sample ID	**1506B99-001AMSD**	SampType:	**MSD**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**MW-1**	Batch ID:	**R27194**		RunNo:	**27194**				
Prep Date:		Analysis Date:	**6/30/2015**		SeqNo:	**814551**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.95	0.10	1.000	0	95.4	51	131	3.41	20	
Surr: BFB	38		40.00		95.6	57.8	137	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1506B99**

10-Jul-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**5ML RBC**	SampType:	**MBLK**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**PBW**	Batch ID:	**R27194**	RunNo:	**27194**					
Prep Date:		Analysis Date:	**6/30/2015**	SeqNo:	**814574**	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	23		20.00		114	80	120			

Sample ID	**100NG BTEX LCSB**	SampType:	**LCS**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**LCSW**	Batch ID:	**R27194**	RunNo:	**27194**					
Prep Date:		Analysis Date:	**6/30/2015**	SeqNo:	**814575**	Units:	**µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	23	1.0	20.00	0	114	80	120			
Toluene	23	1.0	20.00	0	117	80	120			
Ethylbenzene	23	1.0	20.00	0	114	80	120			
Xylenes, Total	68	2.0	60.00	0	113	80	120			
Surr: 4-Bromofluorobenzene	25		20.00		125	80	120			S

Sample ID	**1506B99-002AMS**	SampType:	**MS**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**MW-2**	Batch ID:	**R27194**	RunNo:	**27194**					
Prep Date:		Analysis Date:	**6/30/2015**	SeqNo:	**814580**	Units:	**µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	42	2.0	40.00	0	105	77.5	121			
Toluene	48	2.0	40.00	0	121	78.6	122			
Ethylbenzene	48	2.0	40.00	0	120	78.1	128			
Xylenes, Total	140	4.0	120.0	0	119	80	120			
Surr: 4-Bromofluorobenzene	51		40.00		128	80	120			S

Sample ID	**1506B99-002AMSD**	SampType:	**MSD**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**MW-2**	Batch ID:	**R27194**	RunNo:	**27194**					
Prep Date:		Analysis Date:	**6/30/2015**	SeqNo:	**814581**	Units:	**µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	48	2.0	40.00	0	120	77.5	121	13.6	20	
Toluene	49	2.0	40.00	0	123	78.6	122	1.86	20	S
Ethylbenzene	48	2.0	40.00	0	121	78.1	128	0.731	20	
Xylenes, Total	140	4.0	120.0	0	118	80	120	0.618	20	
Surr: 4-Bromofluorobenzene	48		40.00		121	80	120	0	0	S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1506B99**
10-Jul-15

Client: Animas Environmental Services
Project: BMG Landfarm

Sample ID	**MB-20000**	SampType:	**MBLK**	TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**PBW**	Batch ID:	**20000**	RunNo:	**27202**					
Prep Date:	**6/29/2015**	Analysis Date:	**6/30/2015**	SeqNo:	**814275**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	**LCS-20000**	SampType:	**LCS**	TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**LCSW**	Batch ID:	**20000**	RunNo:	**27202**					
Prep Date:	**6/29/2015**	Analysis Date:	**6/30/2015**	SeqNo:	**814276**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1020	20.0	1000	0	102	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1506B99 RcptNo: 1

Received by/date: LM 06/25/15

Logged By: **Celina Sessa** 6/25/2015 7:00:00 AM Celina Sessa

Completed By: **Celina Sessa** 6/25/2015 10:38:59 AM Celina Sessa

Reviewed By: 06/25/15

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.3	Good	Yes			

Chain-of-Custody Record

Client:	Animas Environmental Services
Mailing Address:	604 W. Pinon Street Farmington, NM 87401
Phone #:	505-564-2281
email or Fax#:	shinds@animasenvironmental.com
QA/QC Package:	X Standard □ Level 4 (Full Validation)
Accreditation:	□ NELAP □ Other_____
□ EDD (Type)	_____

Turn-Around Time: X Standard □ Rush_____

Project Name: BMG Landfarm

Project #: AES 040605

Project Manager: Stephanie Hinds

Sampler: S. Glasses

On Ice: X Yes □ No

Sample Temperature: 2.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 8710

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1506B99	BTEX 8021	TPH (GRO/DRO/MRO) 8015	TDS SM2540C	Chlorides 300.0							Air Bubbles (Y or N)
6-23-15	1057	H2O	MW-1	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-001	X	X	X	X							
6-23-15	1122	H2O	MW-2	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-002	X	X	X	X							
6-23-15	1158	H2O	MW-3	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-003	X	X	X	X							
6-23-15	1025	H2O	MW-4	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-004	X	X	X	X							
6-23-15		H2O	Trip Blank		Cold	-005											

Date: 6/24/15	Time: 1706	Relinquished by:	Received by:	Date Time	Remarks: Call if questions.
Date: 6/24/15	Time: 1810	Relinquished by:	Received by:	Date Time 06/25/15 0700	

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

July 01, 2015

Stephanie Hinds

Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG Landfarm OrderNo.: 1506C00

Dear Stephanie Hinds:

Hall Environmental Analysis Laboratory received 16 sample(s) on 6/25/2015 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 qualifers 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 #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-1
Project: BMG Landfarm
Collection Date: 6/24/2015 8:15:00 AM
Lab ID: 1506C00-001 **Matrix:** SOIL **Received Date:** 6/25/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/29/2015 3:47:29 PM	19962
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/29/2015 3:47:29 PM	19962
Surr: DNOP	100	57.9-140		%REC	1	6/29/2015 3:47:29 PM	19962
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/27/2015 6:43:13 PM	19945
Surr: BFB	84.3	75.4-113		%REC	1	6/27/2015 6:43:13 PM	19945
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	6/27/2015 6:43:13 PM	19945
Toluene	ND	0.048		mg/Kg	1	6/27/2015 6:43:13 PM	19945
Ethylbenzene	ND	0.048		mg/Kg	1	6/27/2015 6:43:13 PM	19945
Xylenes, Total	ND	0.097		mg/Kg	1	6/27/2015 6:43:13 PM	19945
Surr: 4-Bromofluorobenzene	85.7	80-120		%REC	1	6/27/2015 6:43:13 PM	19945

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-2
Project: BMG Landfarm
Collection Date: 6/24/2015 8:30:00 AM
Lab ID: 1506C00-002 **Matrix:** SOIL **Received Date:** 6/25/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/29/2015 5:09:21 PM	19962
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/29/2015 5:09:21 PM	19962
Surr: DNOP	103	57.9-140		%REC	1	6/29/2015 5:09:21 PM	19962
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/27/2015 7:11:55 PM	19945
Surr: BFB	84.2	75.4-113		%REC	1	6/27/2015 7:11:55 PM	19945
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.049		mg/Kg	1	6/27/2015 7:11:55 PM	19945
Toluene	ND	0.049		mg/Kg	1	6/27/2015 7:11:55 PM	19945
Ethylbenzene	ND	0.049		mg/Kg	1	6/27/2015 7:11:55 PM	19945
Xylenes, Total	ND	0.098		mg/Kg	1	6/27/2015 7:11:55 PM	19945
Surr: 4-Bromofluorobenzene	86.2	80-120		%REC	1	6/27/2015 7:11:55 PM	19945

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-3
Project: BMG Landfarm
Collection Date: 6/24/2015 8:40:00 AM
Lab ID: 1506C00-003 **Matrix:** SOIL **Received Date:** 6/25/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/29/2015 5:36:41 PM	19962
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/29/2015 5:36:41 PM	19962
Surr: DNOP	101	57.9-140		%REC	1	6/29/2015 5:36:41 PM	19962
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/27/2015 7:40:41 PM	19945
Surr: BFB	84.8	75.4-113		%REC	1	6/27/2015 7:40:41 PM	19945
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.050		mg/Kg	1	6/27/2015 7:40:41 PM	19945
Toluene	ND	0.050		mg/Kg	1	6/27/2015 7:40:41 PM	19945
Ethylbenzene	ND	0.050		mg/Kg	1	6/27/2015 7:40:41 PM	19945
Xylenes, Total	ND	0.10		mg/Kg	1	6/27/2015 7:40:41 PM	19945
Surr: 4-Bromofluorobenzene	86.7	80-120		%REC	1	6/27/2015 7:40:41 PM	19945

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-4
Project: BMG Landfarm
Collection Date: 6/24/2015 8:50:00 AM
Lab ID: 1506C00-004 **Matrix:** SOIL **Received Date:** 6/25/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/29/2015 6:04:03 PM	19962
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/29/2015 6:04:03 PM	19962
Surr: DNOP	103	57.9-140		%REC	1	6/29/2015 6:04:03 PM	19962
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/27/2015 8:09:27 PM	19945
Surr: BFB	83.0	75.4-113		%REC	1	6/27/2015 8:09:27 PM	19945
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	6/27/2015 8:09:27 PM	19945
Toluene	ND	0.048		mg/Kg	1	6/27/2015 8:09:27 PM	19945
Ethylbenzene	ND	0.048		mg/Kg	1	6/27/2015 8:09:27 PM	19945
Xylenes, Total	ND	0.097		mg/Kg	1	6/27/2015 8:09:27 PM	19945
Surr: 4-Bromofluorobenzene	83.2	80-120		%REC	1	6/27/2015 8:09:27 PM	19945

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-1
Project: BMG Landfarm
Collection Date: 6/24/2015 7:20:00 AM
Lab ID: 1506C00-005 **Matrix:** SOIL **Received Date:** 6/25/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/29/2015 6:31:23 PM	19962
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/29/2015 6:31:23 PM	19962
Surr: DNOP	104	57.9-140		%REC	1	6/29/2015 6:31:23 PM	19962
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/27/2015 8:38:13 PM	19945
Surr: BFB	84.3	75.4-113		%REC	1	6/27/2015 8:38:13 PM	19945
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.049		mg/Kg	1	6/27/2015 8:38:13 PM	19945
Toluene	ND	0.049		mg/Kg	1	6/27/2015 8:38:13 PM	19945
Ethylbenzene	ND	0.049		mg/Kg	1	6/27/2015 8:38:13 PM	19945
Xylenes, Total	ND	0.098		mg/Kg	1	6/27/2015 8:38:13 PM	19945
Surr: 4-Bromofluorobenzene	85.2	80-120		%REC	1	6/27/2015 8:38:13 PM	19945

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-2
Project: BMG Landfarm
Collection Date: 6/24/2015 7:37:00 AM
Lab ID: 1506C00-006 **Matrix:** SOIL **Received Date:** 6/25/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/29/2015 6:58:39 PM	19962
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/29/2015 6:58:39 PM	19962
Surr: DNOP	106	57.9-140		%REC	1	6/29/2015 6:58:39 PM	19962
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/27/2015 9:06:55 PM	19945
Surr: BFB	84.0	75.4-113		%REC	1	6/27/2015 9:06:55 PM	19945
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	6/27/2015 9:06:55 PM	19945
Toluene	ND	0.048		mg/Kg	1	6/27/2015 9:06:55 PM	19945
Ethylbenzene	ND	0.048		mg/Kg	1	6/27/2015 9:06:55 PM	19945
Xylenes, Total	ND	0.097		mg/Kg	1	6/27/2015 9:06:55 PM	19945
Surr: 4-Bromofluorobenzene	84.9	80-120		%REC	1	6/27/2015 9:06:55 PM	19945

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-3
Project: BMG Landfarm
Collection Date: 6/24/2015 7:50:00 AM
Lab ID: 1506C00-007 **Matrix:** SOIL **Received Date:** 6/25/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/29/2015 7:53:13 PM	19962
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/29/2015 7:53:13 PM	19962
Surr: DNOP	101	57.9-140		%REC	1	6/29/2015 7:53:13 PM	19962
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/27/2015 9:35:36 PM	19945
Surr: BFB	83.8	75.4-113		%REC	1	6/27/2015 9:35:36 PM	19945
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	6/27/2015 9:35:36 PM	19945
Toluene	ND	0.047		mg/Kg	1	6/27/2015 9:35:36 PM	19945
Ethylbenzene	ND	0.047		mg/Kg	1	6/27/2015 9:35:36 PM	19945
Xylenes, Total	ND	0.095		mg/Kg	1	6/27/2015 9:35:36 PM	19945
Surr: 4-Bromofluorobenzene	84.5	80-120		%REC	1	6/27/2015 9:35:36 PM	19945

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-4
Project: BMG Landfarm
Collection Date: 6/24/2015 8:00:00 AM
Lab ID: 1506C00-008 **Matrix:** SOIL **Received Date:** 6/25/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/29/2015 8:20:51 PM	19962
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/29/2015 8:20:51 PM	19962
Surr: DNOP	105	57.9-140		%REC	1	6/29/2015 8:20:51 PM	19962
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/27/2015 10:04:16 PM	19945
Surr: BFB	85.0	75.4-113		%REC	1	6/27/2015 10:04:16 PM	19945
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.050		mg/Kg	1	6/27/2015 10:04:16 PM	19945
Toluene	ND	0.050		mg/Kg	1	6/27/2015 10:04:16 PM	19945
Ethylbenzene	ND	0.050		mg/Kg	1	6/27/2015 10:04:16 PM	19945
Xylenes, Total	ND	0.099		mg/Kg	1	6/27/2015 10:04:16 PM	19945
Surr: 4-Bromofluorobenzene	86.0	80-120		%REC	1	6/27/2015 10:04:16 PM	19945

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-1
Project: BMG Landfarm
Collection Date: 6/23/2015 12:40:00 PM
Lab ID: 1506C00-009
Matrix: SOIL
Received Date: 6/25/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/29/2015 8:48:02 PM	19962
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/29/2015 8:48:02 PM	19962
Surr: DNOP	108	57.9-140		%REC	1	6/29/2015 8:48:02 PM	19962
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/27/2015 10:32:53 PM	19945
Surr: BFB	85.0	75.4-113		%REC	1	6/27/2015 10:32:53 PM	19945
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	6/27/2015 10:32:53 PM	19945
Toluene	ND	0.047		mg/Kg	1	6/27/2015 10:32:53 PM	19945
Ethylbenzene	ND	0.047		mg/Kg	1	6/27/2015 10:32:53 PM	19945
Xylenes, Total	ND	0.094		mg/Kg	1	6/27/2015 10:32:53 PM	19945
Surr: 4-Bromofluorobenzene	86.6	80-120		%REC	1	6/27/2015 10:32:53 PM	19945

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-2
Project: BMG Landfarm
Collection Date: 6/23/2015 1:20:00 PM
Lab ID: 1506C00-010 **Matrix:** SOIL **Received Date:** 6/25/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/29/2015 9:15:17 PM	19962
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/29/2015 9:15:17 PM	19962
Surr: DNOP	104	57.9-140		%REC	1	6/29/2015 9:15:17 PM	19962
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/27/2015 11:01:32 PM	19945
Surr: BFB	84.6	75.4-113		%REC	1	6/27/2015 11:01:32 PM	19945
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.050		mg/Kg	1	6/27/2015 11:01:32 PM	19945
Toluene	ND	0.050		mg/Kg	1	6/27/2015 11:01:32 PM	19945
Ethylbenzene	ND	0.050		mg/Kg	1	6/27/2015 11:01:32 PM	19945
Xylenes, Total	ND	0.10		mg/Kg	1	6/27/2015 11:01:32 PM	19945
Surr: 4-Bromofluorobenzene	84.9	80-120		%REC	1	6/27/2015 11:01:32 PM	19945

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-3
Project: BMG Landfarm
Collection Date: 6/23/2015 2:00:00 PM
Lab ID: 1506C00-011 **Matrix:** SOIL **Received Date:** 6/25/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/29/2015 9:42:40 PM	19962
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/29/2015 9:42:40 PM	19962
Surr: DNOP	110	57.9-140		%REC	1	6/29/2015 9:42:40 PM	19962
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/28/2015 12:56:29 AM	19945
Surr: BFB	84.0	75.4-113		%REC	1	6/28/2015 12:56:29 AM	19945
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	6/28/2015 12:56:29 AM	19945
Toluene	ND	0.048		mg/Kg	1	6/28/2015 12:56:29 AM	19945
Ethylbenzene	ND	0.048		mg/Kg	1	6/28/2015 12:56:29 AM	19945
Xylenes, Total	ND	0.096		mg/Kg	1	6/28/2015 12:56:29 AM	19945
Surr: 4-Bromofluorobenzene	84.8	80-120		%REC	1	6/28/2015 12:56:29 AM	19945

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-4
Project: BMG Landfarm
Collection Date: 6/23/2015 2:15:00 PM
Lab ID: 1506C00-012 **Matrix:** SOIL **Received Date:** 6/25/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/29/2015 10:09:56 PM	19962
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/29/2015 10:09:56 PM	19962
Surr: DNOP	105	57.9-140		%REC	1	6/29/2015 10:09:56 PM	19962
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/28/2015 1:25:11 AM	19945
Surr: BFB	83.9	75.4-113		%REC	1	6/28/2015 1:25:11 AM	19945
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	6/28/2015 1:25:11 AM	19945
Toluene	ND	0.047		mg/Kg	1	6/28/2015 1:25:11 AM	19945
Ethylbenzene	ND	0.047		mg/Kg	1	6/28/2015 1:25:11 AM	19945
Xylenes, Total	ND	0.094		mg/Kg	1	6/28/2015 1:25:11 AM	19945
Surr: 4-Bromofluorobenzene	84.8	80-120		%REC	1	6/28/2015 1:25:11 AM	19945

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-1
Project: BMG Landfarm
Collection Date: 6/23/2015 9:40:00 AM
Lab ID: 1506C00-013 **Matrix:** SOIL **Received Date:** 6/25/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/29/2015 10:37:22 PM	19962
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/29/2015 10:37:22 PM	19962
Surr: DNOP	107	57.9-140		%REC	1	6/29/2015 10:37:22 PM	19962
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/28/2015 1:53:50 AM	19945
Surr: BFB	83.2	75.4-113		%REC	1	6/28/2015 1:53:50 AM	19945
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	6/28/2015 1:53:50 AM	19945
Toluene	ND	0.048		mg/Kg	1	6/28/2015 1:53:50 AM	19945
Ethylbenzene	ND	0.048		mg/Kg	1	6/28/2015 1:53:50 AM	19945
Xylenes, Total	ND	0.097		mg/Kg	1	6/28/2015 1:53:50 AM	19945
Surr: 4-Bromofluorobenzene	82.9	80-120		%REC	1	6/28/2015 1:53:50 AM	19945

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-2
Project: BMG Landfarm
Collection Date: 6/23/2015 10:12:00 AM
Lab ID: 1506C00-014
Matrix: SOIL
Received Date: 6/25/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/29/2015 11:04:37 PM	19962
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/29/2015 11:04:37 PM	19962
Surr: DNOP	95.4	57.9-140		%REC	1	6/29/2015 11:04:37 PM	19962
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/28/2015 2:22:30 AM	19945
Surr: BFB	83.8	75.4-113		%REC	1	6/28/2015 2:22:30 AM	19945
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.049		mg/Kg	1	6/28/2015 2:22:30 AM	19945
Toluene	ND	0.049		mg/Kg	1	6/28/2015 2:22:30 AM	19945
Ethylbenzene	ND	0.049		mg/Kg	1	6/28/2015 2:22:30 AM	19945
Xylenes, Total	ND	0.097		mg/Kg	1	6/28/2015 2:22:30 AM	19945
Surr: 4-Bromofluorobenzene	84.5	80-120		%REC	1	6/28/2015 2:22:30 AM	19945

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-3
Project: BMG Landfarm
Collection Date: 6/23/2015 10:40:00 AM
Lab ID: 1506C00-015 **Matrix:** SOIL **Received Date:** 6/25/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/29/2015 11:31:58 PM	19962
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/29/2015 11:31:58 PM	19962
Surr: DNOP	101	57.9-140		%REC	1	6/29/2015 11:31:58 PM	19962
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/28/2015 2:51:10 AM	19945
Surr: BFB	83.8	75.4-113		%REC	1	6/28/2015 2:51:10 AM	19945
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	6/28/2015 2:51:10 AM	19945
Toluene	ND	0.047		mg/Kg	1	6/28/2015 2:51:10 AM	19945
Ethylbenzene	ND	0.047		mg/Kg	1	6/28/2015 2:51:10 AM	19945
Xylenes, Total	ND	0.094		mg/Kg	1	6/28/2015 2:51:10 AM	19945
Surr: 4-Bromofluorobenzene	84.2	80-120		%REC	1	6/28/2015 2:51:10 AM	19945

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-4
Project: BMG Landfarm
Collection Date: 6/23/2015 11:25:00 AM
Lab ID: 1506C00-016 **Matrix:** SOIL **Received Date:** 6/25/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/29/2015 11:59:17 PM	19962
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/29/2015 11:59:17 PM	19962
Surr: DNOP	96.4	57.9-140		%REC	1	6/29/2015 11:59:17 PM	19962
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/28/2015 3:19:47 AM	19945
Surr: BFB	83.8	75.4-113		%REC	1	6/28/2015 3:19:47 AM	19945
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	6/28/2015 3:19:47 AM	19945
Toluene	ND	0.048		mg/Kg	1	6/28/2015 3:19:47 AM	19945
Ethylbenzene	ND	0.048		mg/Kg	1	6/28/2015 3:19:47 AM	19945
Xylenes, Total	ND	0.096		mg/Kg	1	6/28/2015 3:19:47 AM	19945
Surr: 4-Bromofluorobenzene	83.6	80-120		%REC	1	6/28/2015 3:19:47 AM	19945

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1506C00**

01-Jul-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **MB-19962**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **19962**	RunNo: **27168**
Prep Date: **6/26/2015**	Analysis Date: **6/29/2015**	SeqNo: **813428** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.4		10.00		94.1	57.9	140			

Sample ID **LCS-19962**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **19962**	RunNo: **27168**
Prep Date: **6/26/2015**	Analysis Date: **6/29/2015**	SeqNo: **813431** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.5	57.4	139			
Surr: DNOP	5.1		5.000		101	57.9	140			

Sample ID **1506C00-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **Cell #1 VZ S-1**	Batch ID: **19962**	RunNo: **27168**
Prep Date: **6/26/2015**	Analysis Date: **6/29/2015**	SeqNo: **813433** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.20	6.268	89.5	42.3	146			
Surr: DNOP	5.3		5.020		106	57.9	140			

Sample ID **1506C00-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **Cell #1 VZ S-1**	Batch ID: **19962**	RunNo: **27168**
Prep Date: **6/26/2015**	Analysis Date: **6/29/2015**	SeqNo: **813434** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	9.8	49.21	6.268	90.2	42.3	146	1.03	28.9	
Surr: DNOP	5.2		4.921		105	57.9	140	0	0	

Sample ID **LCS-19990**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **19990**	RunNo: **27168**
Prep Date: **6/29/2015**	Analysis Date: **6/30/2015**	SeqNo: **813710** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.5		5.000		109	57.9	140			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1506C00**

01-Jul-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-19945**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**PBS**	Batch ID:	**19945**	RunNo:	**27133**					
Prep Date:	**6/25/2015**	Analysis Date:	**6/27/2015**	SeqNo:	**811691**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	840		1000		84.2	75.4	113			

Sample ID	**LCS-19945**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSS**	Batch ID:	**19945**	RunNo:	**27133**					
Prep Date:	**6/25/2015**	Analysis Date:	**6/27/2015**	SeqNo:	**811692**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	64	130			
Surr: BFB	920		1000		92.4	75.4	113			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1506C00**

01-Jul-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **MB-19945**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **19945**	RunNo: **27133**
Prep Date: **6/25/2015**	Analysis Date: **6/27/2015**	SeqNo: **811725** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.86		1.000		85.6	80	120			

Sample ID **LCS-19945**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **19945**	RunNo: **27133**
Prep Date: **6/25/2015**	Analysis Date: **6/27/2015**	SeqNo: **811726** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	105	76.6	128			
Toluene	1.0	0.050	1.000	0	103	75	124			
Ethylbenzene	1.1	0.050	1.000	0	107	79.5	126			
Xylenes, Total	3.1	0.10	3.000	0	105	78.8	124			
Surr: 4-Bromofluorobenzene	0.92		1.000		92.5	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1506C00 RcptNo: 1

Received by/date: LM 06/25/15

Logged By: Celina Sessa 6/25/2015 7:00:00 AM Celina Sessa

Completed By: Celina Sessa 6/25/2015 10:56:47 AM Celina Sessa

Reviewed By: 06/25/15

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.3	Good	Yes			

Chain-of-Custody Record

Client:	Animas Environmental Services
Mailing Address:	604 W. Pinon Street Farmington, NM 87401
Phone #:	505-564-2281
email or Fax#:	shinds@animasenvironmental.com
QA/QC Package:	X Standard □ Level 4 (Full Validation)
Accreditation:	□ NELAP □ Other
□ EDD (Type)	

Turn-Around Time: X Standard □ Rush

Project Name: BMG Landfarm

Project #: AES 040605

Project Manager: Stephanie Hinds

Sampler: S. Glasses

On Ice: X Yes □ No

Sample Temperature: 2.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 8710[illegible]

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1506C00	BTEX 8021	TPH 8015								Air Bubbles (Y or N)
6-24-15	0815	Soil	Cell #1 VZ S-1	1-4 oz jar	Cool	-001	X	X								
6-24-15	0830	Soil	Cell #1 VZ S-2		Cool	-002	X	X								
6-24-15	0840	Soil	Cell #1 VZ S-3		Cool	-003	X	X								
6-24-15	0850	Soil	Cell #1 VZ S-4		Cool	-004	X	X								
6-24-15	0720	Soil	Cell #2 VZ S-1		Cool	-005	X	X								
6-24-15	0737	Soil	Cell #2 VZ S-2		Cool	-006	X	X								
6-24-15	0750	Soil	Cell #2 VZ S-3		Cool	-007	X	X								
6-24-15	0800	Soil	Cell #2 VZ S-4		Cool	-008	X	X								

06/25/15 0700

Chain-of-Custody Record

Client: **Animas Environmental Services**

Mailing Address: **604 W. Pinon Street**
Farmington, NM 87401

Phone #: **505-564-2281**

email or Fax#: shinds@animasenvironmental.com

QA/QC Package:
X Standard □ Level 4 (Full Validation)

Accreditation:
□ NELAP □ Other_____

□ EDD (Type)

Turn-Around Time:
X Standard □ Rush_____

Project Name: **BMG Landfarm**

Project #: **AES 040605**

Project Manager: **Stephanie Hinds**

Sampler: S. Glasses

On Ice: X Yes □ No

Sample Temperature: 2.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1506C00	BTEX 8021	TPH 8015	Air Bubbles (Y or N)
6-23-15	1240	Soil	Cell #3 VZ S-1	1-4 oz jar	Cool	-009	X	X	
6-23-15	1320	Soil	Cell #3 VZ S-2		Cool	-010	X	X	
6-23-15	1400	Soil	Cell #3 VZ S-3		Cool	-011	X	X	
6-23-15	1415	Soil	Cell #3 VZ S-4		Cool	-012	X	X	
6-23-15	0940	Soil	Cell #4 VZ S-1		Cool	-013	X	X	
6-23-15	1012	Soil	Cell #4 VZ S-2		Cool	-014	X	X	
6-23-15	1040	Soil	Cell #4 VZ S-3		Cool	-015	X	X	
6-23-15	1125	Soil	Cell #4 VZ S-4		Cool	-016	X	X	

Date	Time	Relinquished by:	Received by:	Date	Time
6/24/15	1706		Mistie Wood	6/24/15	1706
6/24/15	1810	Mistie Wood		06/25/15	0700

Remarks: Call if questions.

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

October 16, 2015

Stephanie Hinds
Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 215-3688
FAX

RE: BMG Landfarm OrderNo.: 1509C92

Dear Stephanie Hinds:

Hall Environmental Analysis Laboratory received 4 sample(s) on 9/26/2015 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 qualifers 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 #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1509C92**
Date Reported: **10/16/2015**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 TZ CS-1
Project: BMG Landfarm
Collection Date: 9/24/2015 2:45:00 PM
Lab ID: 1509C92-001 **Matrix:** SOIL **Received Date:** 9/26/2015 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **TOM**	
Petroleum Hydrocarbons, TR	1400	200		mg/Kg	10	10/2/2015	21616
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	10/15/2015 11:50:00 AM	21867

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 TZ CS-1
Project: BMG Landfarm
Collection Date: 9/24/2015 1:25:00 PM
Lab ID: 1509C92-002 **Matrix:** SOIL **Received Date:** 9/26/2015 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **TOM**	
Petroleum Hydrocarbons, TR	1100	200		mg/Kg	10	10/2/2015	21616
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	32	30		mg/Kg	20	10/15/2015 12:27:13 PM	21867

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 TZ CS-1
Project: BMG Landfarm
Collection Date: 9/24/2015 12:02:00 PM
Lab ID: 1509C92-003
Matrix: SOIL
Received Date: 9/26/2015 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **TOM**	
Petroleum Hydrocarbons, TR	1100	200		mg/Kg	10	10/2/2015	21616
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	10/15/2015 12:39:37 PM	21867

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 TZ CS-1
Project: BMG Landfarm
Collection Date: 9/24/2015 10:30:00 AM
Lab ID: 1509C92-004 **Matrix:** SOIL **Received Date:** 9/26/2015 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **TOM**	
Petroleum Hydrocarbons, TR	370	20		mg/Kg	1	10/2/2015	21616
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	10/15/2015 12:52:02 PM	21867

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1509C92**

16-Oct-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-21867**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**21867**	RunNo:	**29590**					
Prep Date:	**10/15/2015**	Analysis Date:	**10/15/2015**	SeqNo:	**900830**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-21867**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**21867**	RunNo:	**29590**					
Prep Date:	**10/15/2015**	Analysis Date:	**10/15/2015**	SeqNo:	**900831**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.0	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1509C92**

16-Oct-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-21616**	SampType:	**MBLK**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**PBS**	Batch ID:	**21616**	RunNo:	**29274**					
Prep Date:	**10/1/2015**	Analysis Date:	**10/2/2015**	SeqNo:	**889665**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	**LCS-21616**	SampType:	**LCS**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS**	Batch ID:	**21616**	RunNo:	**29274**					
Prep Date:	**10/1/2015**	Analysis Date:	**10/2/2015**	SeqNo:	**889666**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	100	20	100.0	0	103	83.6	116			

Sample ID	**LCSD-21616**	SampType:	**LCSD**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS02**	Batch ID:	**21616**	RunNo:	**29274**					
Prep Date:	**10/1/2015**	Analysis Date:	**10/2/2015**	SeqNo:	**889667**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	110	20	100.0	0	105	83.6	116	2.65	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1509C92 RcptNo: 1

Received by/date: LM 09/26/15

Logged By: Celina Sessa 9/26/2015 8:30:00 AM Celina Sessa

Completed By: Celina Sessa 9/28/2015 9:22:13 AM Celina Sessa

Reviewed By: JA 09/29/15

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☑
2. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☑ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
9. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☑
11. Were any sample containers received broken? Yes ☐ No ☑
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
14. Is it clear what analyses were requested? Yes ☑ No ☐
15. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.3	Good	Yes			

Chain-of-Custody Record

Client:	**Animas Environmental Services**
Mailing Address:	**604 W. Pinon Street**
	Farmington, NM 87401
Phone #:	**505-564-2281**
email or Fax#:	shinds@animasenvironmental.com
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other_____
□ EDD (Type) _____	

Turn-Around Time:
X Standard □ Rush_____

Project Name: **BMG Landfarm**

Project #: **AES 040605**

Project Manager: **Stephanie Hinds**

Sampler: ~~S. Hinds~~ S. Hinds

On Ice: X Yes □ No

Sample Temperature: 1.4 - 0.1 CF = 1.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1509C92	Chlorides 300.0	TPH 418.1								Air Bubbles (Y or N)
9/24/2015	14:45	Soil	Cell #1 TZ CS-1	2 - 4 oz jars	Cool	-001	X	X								
9/24/2015	13:25	Soil	Cell #2 TZ CS-1	2 - 4 oz jars	Cool	-002	X	X								
9/24/2015	12:02	Soil	Cell #3 TZ CS-1	2 - 4 oz jars	Cool	-003	X	X								
9/24/2015	10:30	Soil	Cell #4 TZ CS-1	2 - 4 oz jars	Cool	-004	X	X								

Date:	Time:	Relinquished by:	Received by:	Date	Time
9/25/15	1743	Stephanie Hinds	Mat Walte	9/25/15	1743
9/25/15	1910	Mat Walte		09/26/15	0830

Remarks: Call if questions.

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

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

October 22, 2015

Stephanie Hinds

Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 215-3688
FAX

RE: BMG Landfarm OrderNo.: 1509C93

Dear Stephanie Hinds:

Hall Environmental Analysis Laboratory received 16 sample(s) on 9/26/2015 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 qualifers 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 #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-1
Project: BMG Landfarm
Collection Date: 9/24/2015 3:00:00 PM
Lab ID: 1509C93-001 **Matrix:** SOIL **Received Date:** 9/26/2015 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Fluoride	0.51	0.30		mg/Kg	1	10/16/2015 1:11:49 PM	21867
Chloride	ND	1.5		mg/Kg	1	10/16/2015 1:11:49 PM	21867
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	10/16/2015 1:11:49 PM	21867
Bromide	ND	0.30		mg/Kg	1	10/16/2015 1:11:49 PM	21867
Nitrogen, Nitrate (As N)	2.3	0.30		mg/Kg	1	10/16/2015 1:11:49 PM	21867
Phosphorus, Orthophosphate (As P)	ND	1.5		mg/Kg	1	10/16/2015 1:11:49 PM	21867
Sulfate	4.9	1.5		mg/Kg	1	10/16/2015 1:11:49 PM	21867
EPA METHOD 7471: MERCURY						Analyst: **JLF**	
Mercury	ND	0.034		mg/Kg	1	10/14/2015 9:59:33 AM	21824
EPA METHOD 6010B: SOIL METALS						Analyst: **MED**	
Arsenic	ND	12		mg/Kg	5	10/15/2015 12:40:02 PM	21787
Barium	56	0.50		mg/Kg	5	10/15/2015 12:40:02 PM	21787
Cadmium	ND	0.50		mg/Kg	5	10/15/2015 12:40:02 PM	21787
Calcium	2000	120		mg/Kg	5	10/15/2015 12:40:02 PM	21787
Chromium	4.7	1.5		mg/Kg	5	10/15/2015 12:40:02 PM	21787
Lead	3.4	1.2		mg/Kg	5	10/15/2015 12:40:02 PM	21787
Magnesium	1300	120		mg/Kg	5	10/15/2015 12:40:02 PM	21787
Potassium	830	250		mg/Kg	5	10/15/2015 12:40:02 PM	21787
Selenium	ND	12		mg/Kg	5	10/15/2015 12:40:02 PM	21787
Silver	ND	1.2		mg/Kg	5	10/15/2015 12:40:02 PM	21787
Sodium	ND	120		mg/Kg	5	10/15/2015 1:46:39 PM	21787
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/30/2015 11:22:28 PM	21556
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/30/2015 11:22:28 PM	21556
Surr: DNOP	107	57.9-140		%REC	1	9/30/2015 11:22:28 PM	21556
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/1/2015 3:07:14 AM	21566
Surr: BFB	86.9	75.4-113		%REC	1	10/1/2015 3:07:14 AM	21566
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	10/1/2015 3:07:14 AM	21566
Toluene	ND	0.048		mg/Kg	1	10/1/2015 3:07:14 AM	21566
Ethylbenzene	ND	0.048		mg/Kg	1	10/1/2015 3:07:14 AM	21566
Xylenes, Total	ND	0.097		mg/Kg	1	10/1/2015 3:07:14 AM	21566
Surr: 4-Bromofluorobenzene	101	80-120		%REC	1	10/1/2015 3:07:14 AM	21566

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-2
Project: BMG Landfarm
Collection Date: 9/24/2015 3:10:00 PM
Lab ID: 1509C93-002 **Matrix:** SOIL **Received Date:** 9/26/2015 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Fluoride	1.2	0.30		mg/Kg	1	10/16/2015 1:49:03 PM	21867
Chloride	2.1	1.5		mg/Kg	1	10/16/2015 1:49:03 PM	21867
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	10/16/2015 1:49:03 PM	21867
Bromide	ND	0.30		mg/Kg	1	10/16/2015 1:49:03 PM	21867
Nitrogen, Nitrate (As N)	4.6	0.30		mg/Kg	1	10/16/2015 1:49:03 PM	21867
Phosphorus, Orthophosphate (As P)	ND	1.5		mg/Kg	1	10/16/2015 1:49:03 PM	21867
Sulfate	17	1.5		mg/Kg	1	10/16/2015 1:49:03 PM	21867
EPA METHOD 7471: MERCURY						Analyst: **JLF**	
Mercury	ND	0.033		mg/Kg	1	10/14/2015 10:04:53 AM	21824
EPA METHOD 6010B: SOIL METALS						Analyst: **MED**	
Arsenic	ND	12		mg/Kg	5	10/15/2015 12:41:40 PM	21787
Barium	140	0.50		mg/Kg	5	10/15/2015 12:41:40 PM	21787
Cadmium	ND	0.50		mg/Kg	5	10/15/2015 12:41:40 PM	21787
Calcium	7700	120		mg/Kg	5	10/15/2015 12:41:40 PM	21787
Chromium	9.4	1.5		mg/Kg	5	10/15/2015 12:41:40 PM	21787
Lead	5.7	1.2		mg/Kg	5	10/15/2015 12:41:40 PM	21787
Magnesium	2800	120		mg/Kg	5	10/15/2015 12:41:40 PM	21787
Potassium	1700	250		mg/Kg	5	10/15/2015 12:41:40 PM	21787
Selenium	ND	12		mg/Kg	5	10/15/2015 12:41:40 PM	21787
Silver	ND	1.2		mg/Kg	5	10/15/2015 12:41:40 PM	21787
Sodium	ND	120		mg/Kg	5	10/15/2015 1:48:17 PM	21787
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/1/2015 12:45:07 AM	21556
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/1/2015 12:45:07 AM	21556
Surr: DNOP	106	57.9-140		%REC	1	10/1/2015 12:45:07 AM	21556
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/1/2015 3:30:32 AM	21566
Surr: BFB	86.1	75.4-113		%REC	1	10/1/2015 3:30:32 AM	21566
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	10/1/2015 3:30:32 AM	21566
Toluene	ND	0.048		mg/Kg	1	10/1/2015 3:30:32 AM	21566
Ethylbenzene	ND	0.048		mg/Kg	1	10/1/2015 3:30:32 AM	21566
Xylenes, Total	ND	0.097		mg/Kg	1	10/1/2015 3:30:32 AM	21566
Surr: 4-Bromofluorobenzene	101	80-120		%REC	1	10/1/2015 3:30:32 AM	21566

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
R	RPD outside accepted recovery limits
RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-3
Project: BMG Landfarm
Collection Date: 9/24/2015 3:28:00 PM
Lab ID: 1509C93-003 **Matrix:** SOIL **Received Date:** 9/26/2015 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Fluoride	2.0	1.5		mg/Kg	5	10/16/2015 2:01:27 PM	21867
Chloride	ND	7.5		mg/Kg	5	10/16/2015 2:01:27 PM	21867
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	10/16/2015 2:01:27 PM	21867
Bromide	ND	1.5		mg/Kg	5	10/16/2015 2:01:27 PM	21867
Nitrogen, Nitrate (As N)	4.6	1.5		mg/Kg	5	10/16/2015 2:01:27 PM	21867
Phosphorus, Orthophosphate (As P)	ND	7.5		mg/Kg	5	10/16/2015 2:01:27 PM	21867
Sulfate	12	7.5		mg/Kg	5	10/16/2015 2:01:27 PM	21867
EPA METHOD 7471: MERCURY						Analyst: **JLF**	
Mercury	ND	0.033		mg/Kg	1	10/14/2015 10:06:41 AM	21824
EPA METHOD 6010B: SOIL METALS						Analyst: **MED**	
Arsenic	ND	12		mg/Kg	5	10/15/2015 12:48:49 PM	21787
Barium	85	0.50		mg/Kg	5	10/15/2015 12:48:49 PM	21787
Cadmium	ND	0.50		mg/Kg	5	10/15/2015 12:48:49 PM	21787
Calcium	2300	120		mg/Kg	5	10/15/2015 12:48:49 PM	21787
Chromium	9.7	1.5		mg/Kg	5	10/15/2015 12:48:49 PM	21787
Lead	3.9	1.2		mg/Kg	5	10/15/2015 12:48:49 PM	21787
Magnesium	2200	120		mg/Kg	5	10/15/2015 12:48:49 PM	21787
Potassium	1500	250		mg/Kg	5	10/15/2015 12:48:49 PM	21787
Selenium	ND	12		mg/Kg	5	10/15/2015 12:48:49 PM	21787
Silver	ND	1.2		mg/Kg	5	10/15/2015 12:48:49 PM	21787
Sodium	140	120		mg/Kg	5	10/15/2015 1:55:22 PM	21787
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/1/2015 1:12:53 AM	21556
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/1/2015 1:12:53 AM	21556
Surr: DNOP	111	57.9-140		%REC	1	10/1/2015 1:12:53 AM	21556
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/1/2015 3:53:47 AM	21566
Surr: BFB	86.1	75.4-113		%REC	1	10/1/2015 3:53:47 AM	21566
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	10/1/2015 3:53:47 AM	21566
Toluene	ND	0.048		mg/Kg	1	10/1/2015 3:53:47 AM	21566
Ethylbenzene	ND	0.048		mg/Kg	1	10/1/2015 3:53:47 AM	21566
Xylenes, Total	ND	0.097		mg/Kg	1	10/1/2015 3:53:47 AM	21566
Surr: 4-Bromofluorobenzene	101	80-120		%REC	1	10/1/2015 3:53:47 AM	21566

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-4
Project: BMG Landfarm
Collection Date: 9/24/2015 3:42:00 PM
Lab ID: 1509C93-004 **Matrix:** SOIL **Received Date:** 9/26/2015 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Fluoride	2.6	1.5		mg/Kg	5	10/16/2015 2:13:52 PM	21867
Chloride	120	7.5		mg/Kg	5	10/16/2015 2:13:52 PM	21867
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	10/16/2015 2:13:52 PM	21867
Bromide	ND	1.5		mg/Kg	5	10/16/2015 2:13:52 PM	21867
Nitrogen, Nitrate (As N)	5.3	1.5		mg/Kg	5	10/16/2015 2:13:52 PM	21867
Phosphorus, Orthophosphate (As P)	ND	7.5		mg/Kg	5	10/16/2015 2:13:52 PM	21867
Sulfate	31	7.5		mg/Kg	5	10/16/2015 2:13:52 PM	21867
EPA METHOD 7471: MERCURY						Analyst: **JLF**	
Mercury	ND	0.032		mg/Kg	1	10/14/2015 10:08:29 AM	21824
EPA METHOD 6010B: SOIL METALS						Analyst: **MED**	
Arsenic	ND	12		mg/Kg	5	10/15/2015 12:50:29 PM	21787
Barium	87	0.50		mg/Kg	5	10/15/2015 12:50:29 PM	21787
Cadmium	ND	0.50		mg/Kg	5	10/15/2015 12:50:29 PM	21787
Calcium	6900	120		mg/Kg	5	10/15/2015 12:50:29 PM	21787
Chromium	10	1.5		mg/Kg	5	10/15/2015 12:50:29 PM	21787
Lead	4.7	1.2		mg/Kg	5	10/15/2015 12:50:29 PM	21787
Magnesium	2100	120		mg/Kg	5	10/15/2015 12:50:29 PM	21787
Potassium	1400	250		mg/Kg	5	10/15/2015 12:50:29 PM	21787
Selenium	ND	12		mg/Kg	5	10/15/2015 12:50:29 PM	21787
Silver	ND	1.2		mg/Kg	5	10/15/2015 12:50:29 PM	21787
Sodium	410	120		mg/Kg	5	10/15/2015 1:57:04 PM	21787
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/1/2015 1:40:23 AM	21556
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/1/2015 1:40:23 AM	21556
Surr: DNOP	109	57.9-140		%REC	1	10/1/2015 1:40:23 AM	21556
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/1/2015 4:16:56 AM	21566
Surr: BFB	85.8	75.4-113		%REC	1	10/1/2015 4:16:56 AM	21566
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	10/1/2015 4:16:56 AM	21566
Toluene	ND	0.048		mg/Kg	1	10/1/2015 4:16:56 AM	21566
Ethylbenzene	ND	0.048		mg/Kg	1	10/1/2015 4:16:56 AM	21566
Xylenes, Total	ND	0.097		mg/Kg	1	10/1/2015 4:16:56 AM	21566
Surr: 4-Bromofluorobenzene	101	80-120		%REC	1	10/1/2015 4:16:56 AM	21566

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-1
Project: BMG Landfarm
Collection Date: 9/24/2015 1:38:00 PM
Lab ID: 1509C93-005 **Matrix:** SOIL **Received Date:** 9/26/2015 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Fluoride	0.46	0.30		mg/Kg	1	10/16/2015 2:51:06 PM	21867
Chloride	87	30		mg/Kg	20	10/15/2015 2:43:43 PM	21867
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	10/16/2015 2:51:06 PM	21867
Bromide	0.57	0.30		mg/Kg	1	10/16/2015 2:51:06 PM	21867
Nitrogen, Nitrate (As N)	1.2	0.30		mg/Kg	1	10/16/2015 2:51:06 PM	21867
Phosphorus, Orthophosphate (As P)	ND	1.5		mg/Kg	1	10/16/2015 2:51:06 PM	21867
Sulfate	74	1.5		mg/Kg	1	10/16/2015 2:51:06 PM	21867
EPA METHOD 7471: MERCURY						Analyst: **JLF**	
Mercury	ND	0.032		mg/Kg	1	10/14/2015 10:14:00 AM	21824
EPA METHOD 6010B: SOIL METALS						Analyst: **MED**	
Arsenic	ND	12		mg/Kg	5	10/15/2015 12:59:10 PM	21787
Barium	120	0.49		mg/Kg	5	10/15/2015 12:59:10 PM	21787
Cadmium	ND	0.49		mg/Kg	5	10/15/2015 12:59:10 PM	21787
Calcium	6100	120		mg/Kg	5	10/15/2015 12:59:10 PM	21787
Chromium	5.9	1.5		mg/Kg	5	10/15/2015 12:59:10 PM	21787
Lead	4.6	1.2		mg/Kg	5	10/15/2015 12:59:10 PM	21787
Magnesium	1600	120		mg/Kg	5	10/15/2015 12:59:10 PM	21787
Potassium	770	250		mg/Kg	5	10/15/2015 12:59:10 PM	21787
Selenium	ND	12		mg/Kg	5	10/15/2015 12:59:10 PM	21787
Silver	ND	1.2		mg/Kg	5	10/15/2015 12:59:10 PM	21787
Sodium	140	120		mg/Kg	5	10/15/2015 12:59:10 PM	21787
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/1/2015 2:08:00 AM	21556
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/1/2015 2:08:00 AM	21556
Surr: DNOP	110	57.9-140		%REC	1	10/1/2015 2:08:00 AM	21556
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/1/2015 4:40:03 AM	21566
Surr: BFB	86.5	75.4-113		%REC	1	10/1/2015 4:40:03 AM	21566
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	10/1/2015 4:40:03 AM	21566
Toluene	ND	0.048		mg/Kg	1	10/1/2015 4:40:03 AM	21566
Ethylbenzene	ND	0.048		mg/Kg	1	10/1/2015 4:40:03 AM	21566
Xylenes, Total	ND	0.097		mg/Kg	1	10/1/2015 4:40:03 AM	21566
Surr: 4-Bromofluorobenzene	101	80-120		%REC	1	10/1/2015 4:40:03 AM	21566

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-2
Project: BMG Landfarm
Collection Date: 9/24/2015 1:50:00 PM
Lab ID: 1509C93-006 **Matrix:** SOIL **Received Date:** 9/26/2015 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Fluoride	0.83	0.30		mg/Kg	1	10/16/2015 3:03:30 PM	21867
Chloride	37	1.5		mg/Kg	1	10/16/2015 3:03:30 PM	21867
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	10/16/2015 3:03:30 PM	21867
Bromide	ND	0.30		mg/Kg	1	10/16/2015 3:03:30 PM	21867
Nitrogen, Nitrate (As N)	1.3	0.30		mg/Kg	1	10/16/2015 3:03:30 PM	21867
Phosphorus, Orthophosphate (As P)	ND	1.5		mg/Kg	1	10/16/2015 3:03:30 PM	21867
Sulfate	160	30		mg/Kg	20	10/15/2015 2:56:07 PM	21867
EPA METHOD 7471: MERCURY						Analyst: **JLF**	
Mercury	ND	0.032		mg/Kg	1	10/14/2015 10:15:49 AM	21824
EPA METHOD 6010B: SOIL METALS						Analyst: **MED**	
Arsenic	ND	13		mg/Kg	5	10/15/2015 1:00:51 PM	21787
Barium	120	0.50		mg/Kg	5	10/15/2015 1:00:51 PM	21787
Cadmium	ND	0.50		mg/Kg	5	10/15/2015 1:00:51 PM	21787
Calcium	6200	130		mg/Kg	5	10/15/2015 1:00:51 PM	21787
Chromium	5.9	1.5		mg/Kg	5	10/15/2015 1:00:51 PM	21787
Lead	4.0	1.3		mg/Kg	5	10/15/2015 1:00:51 PM	21787
Magnesium	1500	130		mg/Kg	5	10/15/2015 1:00:51 PM	21787
Potassium	910	250		mg/Kg	5	10/15/2015 1:00:51 PM	21787
Selenium	ND	13		mg/Kg	5	10/15/2015 1:00:51 PM	21787
Silver	ND	1.3		mg/Kg	5	10/15/2015 1:00:51 PM	21787
Sodium	150	130		mg/Kg	5	10/15/2015 1:00:51 PM	21787
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/1/2015 2:35:51 AM	21556
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/1/2015 2:35:51 AM	21556
Surr: DNOP	101	57.9-140		%REC	1	10/1/2015 2:35:51 AM	21556
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/1/2015 12:29:39 PM	21566
Surr: BFB	86.8	75.4-113		%REC	1	10/1/2015 12:29:39 PM	21566
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.049		mg/Kg	1	10/1/2015 12:29:39 PM	21566
Toluene	ND	0.049		mg/Kg	1	10/1/2015 12:29:39 PM	21566
Ethylbenzene	ND	0.049		mg/Kg	1	10/1/2015 12:29:39 PM	21566
Xylenes, Total	ND	0.097		mg/Kg	1	10/1/2015 12:29:39 PM	21566
Surr: 4-Bromofluorobenzene	103	80-120		%REC	1	10/1/2015 12:29:39 PM	21566

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-3
Project: BMG Landfarm
Collection Date: 9/24/2015 2:05:00 PM
Lab ID: 1509C93-007 **Matrix:** SOIL **Received Date:** 9/26/2015 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Fluoride	0.99	0.30		mg/Kg	1	10/16/2015 3:15:55 PM	21867
Chloride	13	1.5		mg/Kg	1	10/16/2015 3:15:55 PM	21867
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	10/16/2015 3:15:55 PM	21867
Bromide	ND	0.30		mg/Kg	1	10/16/2015 3:15:55 PM	21867
Nitrogen, Nitrate (As N)	6.1	0.30		mg/Kg	1	10/16/2015 3:15:55 PM	21867
Phosphorus, Orthophosphate (As P)	ND	1.5		mg/Kg	1	10/16/2015 3:15:55 PM	21867
Sulfate	130	1.5		mg/Kg	1	10/16/2015 3:15:55 PM	21867
EPA METHOD 7471: MERCURY						Analyst: **JLF**	
Mercury	ND	0.033		mg/Kg	1	10/14/2015 10:17:38 AM	21824
EPA METHOD 6010B: SOIL METALS						Analyst: **MED**	
Arsenic	ND	12		mg/Kg	5	10/15/2015 1:02:29 PM	21787
Barium	60	0.49		mg/Kg	5	10/15/2015 1:02:29 PM	21787
Cadmium	ND	0.49		mg/Kg	5	10/15/2015 1:02:29 PM	21787
Calcium	5200	120		mg/Kg	5	10/15/2015 1:02:29 PM	21787
Chromium	5.6	1.5		mg/Kg	5	10/15/2015 1:02:29 PM	21787
Lead	2.9	1.2		mg/Kg	5	10/15/2015 1:02:29 PM	21787
Magnesium	1200	120		mg/Kg	5	10/15/2015 1:02:29 PM	21787
Potassium	820	250		mg/Kg	5	10/15/2015 1:02:29 PM	21787
Selenium	ND	12		mg/Kg	5	10/15/2015 1:02:29 PM	21787
Silver	ND	1.2		mg/Kg	5	10/15/2015 1:02:29 PM	21787
Sodium	ND	120		mg/Kg	5	10/15/2015 1:02:29 PM	21787
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	450	9.7		mg/Kg	1	10/1/2015 3:03:26 AM	21556
Motor Oil Range Organics (MRO)	920	49		mg/Kg	1	10/1/2015 3:03:26 AM	21556
Surr: DNOP	102	57.9-140		%REC	1	10/1/2015 3:03:26 AM	21556
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/1/2015 12:52:55 PM	21566
Surr: BFB	86.1	75.4-113		%REC	1	10/1/2015 12:52:55 PM	21566
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	10/1/2015 12:52:55 PM	21566
Toluene	ND	0.048		mg/Kg	1	10/1/2015 12:52:55 PM	21566
Ethylbenzene	ND	0.048		mg/Kg	1	10/1/2015 12:52:55 PM	21566
Xylenes, Total	ND	0.097		mg/Kg	1	10/1/2015 12:52:55 PM	21566
Surr: 4-Bromofluorobenzene	102	80-120		%REC	1	10/1/2015 12:52:55 PM	21566

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-4
Project: BMG Landfarm
Collection Date: 9/24/2015 2:25:00 PM
Lab ID: 1509C93-008 **Matrix:** SOIL **Received Date:** 9/26/2015 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Fluoride	ND	1.5		mg/Kg	5	10/16/2015 3:28:19 PM	21867
Chloride	14	7.5		mg/Kg	5	10/16/2015 3:28:19 PM	21867
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	10/16/2015 3:28:19 PM	21867
Bromide	ND	1.5		mg/Kg	5	10/16/2015 3:28:19 PM	21867
Nitrogen, Nitrate (As N)	4.0	1.5		mg/Kg	5	10/16/2015 3:28:19 PM	21867
Phosphorus, Orthophosphate (As P)	ND	7.5		mg/Kg	5	10/16/2015 3:28:19 PM	21867
Sulfate	62	7.5		mg/Kg	5	10/16/2015 3:28:19 PM	21867
EPA METHOD 7471: MERCURY						Analyst: **JLF**	
Mercury	ND	0.033		mg/Kg	1	10/14/2015 10:19:29 AM	21824
EPA METHOD 6010B: SOIL METALS						Analyst: **MED**	
Arsenic	ND	12		mg/Kg	5	10/15/2015 1:04:09 PM	21787
Barium	120	0.50		mg/Kg	5	10/15/2015 1:04:09 PM	21787
Cadmium	ND	0.50		mg/Kg	5	10/15/2015 1:04:09 PM	21787
Calcium	2900	120		mg/Kg	5	10/15/2015 1:04:09 PM	21787
Chromium	8.2	1.5		mg/Kg	5	10/15/2015 1:04:09 PM	21787
Lead	4.8	1.2		mg/Kg	5	10/15/2015 1:04:09 PM	21787
Magnesium	2100	120		mg/Kg	5	10/15/2015 1:04:09 PM	21787
Potassium	1600	250		mg/Kg	5	10/15/2015 1:04:09 PM	21787
Selenium	ND	12		mg/Kg	5	10/15/2015 1:04:09 PM	21787
Silver	ND	1.2		mg/Kg	5	10/15/2015 1:04:09 PM	21787
Sodium	ND	120		mg/Kg	5	10/15/2015 1:04:09 PM	21787
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/1/2015 4:25:40 AM	21556
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/1/2015 4:25:40 AM	21556
Surr: DNOP	107	57.9-140		%REC	1	10/1/2015 4:25:40 AM	21556
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/1/2015 1:16:05 PM	21566
Surr: BFB	86.8	75.4-113		%REC	1	10/1/2015 1:16:05 PM	21566
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	10/1/2015 1:16:05 PM	21566
Toluene	ND	0.048		mg/Kg	1	10/1/2015 1:16:05 PM	21566
Ethylbenzene	ND	0.048		mg/Kg	1	10/1/2015 1:16:05 PM	21566
Xylenes, Total	ND	0.097		mg/Kg	1	10/1/2015 1:16:05 PM	21566
Surr: 4-Bromofluorobenzene	103	80-120		%REC	1	10/1/2015 1:16:05 PM	21566

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-1
Project: BMG Landfarm
Collection Date: 9/24/2015 12:15:00 PM
Lab ID: 1509C93-009 **Matrix:** SOIL **Received Date:** 9/26/2015 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Fluoride	0.63	0.30		mg/Kg	1	10/16/2015 3:40:43 PM	21867
Chloride	19	1.5		mg/Kg	1	10/16/2015 3:40:43 PM	21867
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	10/16/2015 3:40:43 PM	21867
Bromide	ND	0.30		mg/Kg	1	10/16/2015 3:40:43 PM	21867
Nitrogen, Nitrate (As N)	8.1	0.30		mg/Kg	1	10/16/2015 3:40:43 PM	21867
Phosphorus, Orthophosphate (As P)	ND	1.5		mg/Kg	1	10/16/2015 3:40:43 PM	21867
Sulfate	120	1.5		mg/Kg	1	10/16/2015 3:40:43 PM	21867
EPA METHOD 7471: MERCURY						Analyst: **JLF**	
Mercury	ND	0.033		mg/Kg	1	10/14/2015 10:21:19 AM	21824
EPA METHOD 6010B: SOIL METALS						Analyst: **MED**	
Arsenic	ND	12		mg/Kg	5	10/15/2015 1:05:48 PM	21787
Barium	110	0.50		mg/Kg	5	10/15/2015 1:05:48 PM	21787
Cadmium	ND	0.50		mg/Kg	5	10/15/2015 1:05:48 PM	21787
Calcium	6800	120		mg/Kg	5	10/15/2015 1:05:48 PM	21787
Chromium	13	1.5		mg/Kg	5	10/15/2015 1:05:48 PM	21787
Lead	5.7	1.2		mg/Kg	5	10/15/2015 1:05:48 PM	21787
Magnesium	2900	120		mg/Kg	5	10/15/2015 1:05:48 PM	21787
Potassium	2200	250		mg/Kg	5	10/15/2015 1:05:48 PM	21787
Selenium	ND	12		mg/Kg	5	10/15/2015 1:05:48 PM	21787
Silver	ND	1.2		mg/Kg	5	10/15/2015 1:05:48 PM	21787
Sodium	ND	120		mg/Kg	5	10/15/2015 1:05:48 PM	21787
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/1/2015 4:52:42 AM	21556
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/1/2015 4:52:42 AM	21556
Surr: DNOP	104	57.9-140		%REC	1	10/1/2015 4:52:42 AM	21556
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/1/2015 1:39:15 PM	21566
Surr: BFB	86.0	75.4-113		%REC	1	10/1/2015 1:39:15 PM	21566
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	10/1/2015 1:39:15 PM	21566
Toluene	ND	0.048		mg/Kg	1	10/1/2015 1:39:15 PM	21566
Ethylbenzene	ND	0.048		mg/Kg	1	10/1/2015 1:39:15 PM	21566
Xylenes, Total	ND	0.097		mg/Kg	1	10/1/2015 1:39:15 PM	21566
Surr: 4-Bromofluorobenzene	101	80-120		%REC	1	10/1/2015 1:39:15 PM	21566

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-2
Project: BMG Landfarm
Collection Date: 9/24/2015 12:28:00 PM
Lab ID: 1509C93-010 **Matrix:** SOIL **Received Date:** 9/26/2015 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Fluoride	2.0	0.30		mg/Kg	1	10/16/2015 3:53:07 PM	21867
Chloride	3.7	1.5		mg/Kg	1	10/16/2015 3:53:07 PM	21867
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	10/16/2015 3:53:07 PM	21867
Bromide	ND	0.30		mg/Kg	1	10/16/2015 3:53:07 PM	21867
Nitrogen, Nitrate (As N)	2.8	0.30		mg/Kg	1	10/16/2015 3:53:07 PM	21867
Phosphorus, Orthophosphate (As P)	ND	1.5		mg/Kg	1	10/16/2015 3:53:07 PM	21867
Sulfate	83	1.5		mg/Kg	1	10/16/2015 3:53:07 PM	21867
EPA METHOD 7471: MERCURY						Analyst: **JLF**	
Mercury	ND	0.033		mg/Kg	1	10/14/2015 10:23:10 AM	21824
EPA METHOD 6010B: SOIL METALS						Analyst: **MED**	
Arsenic	ND	12		mg/Kg	5	10/15/2015 1:07:27 PM	21787
Barium	80	0.49		mg/Kg	5	10/15/2015 1:07:27 PM	21787
Cadmium	ND	0.49		mg/Kg	5	10/15/2015 1:07:27 PM	21787
Calcium	1900	120		mg/Kg	5	10/15/2015 1:07:27 PM	21787
Chromium	8.0	1.5		mg/Kg	5	10/15/2015 1:07:27 PM	21787
Lead	3.9	1.2		mg/Kg	5	10/15/2015 1:07:27 PM	21787
Magnesium	1700	120		mg/Kg	5	10/15/2015 1:07:27 PM	21787
Potassium	1300	240		mg/Kg	5	10/15/2015 1:07:27 PM	21787
Selenium	ND	12		mg/Kg	5	10/15/2015 1:07:27 PM	21787
Silver	ND	1.2		mg/Kg	5	10/15/2015 1:07:27 PM	21787
Sodium	ND	120		mg/Kg	5	10/15/2015 1:07:27 PM	21787
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/1/2015 7:35:47 AM	21556
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/1/2015 7:35:47 AM	21556
Surr: DNOP	115	57.9-140		%REC	1	10/1/2015 7:35:47 AM	21556
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/1/2015 2:02:24 PM	21566
Surr: BFB	86.6	75.4-113		%REC	1	10/1/2015 2:02:24 PM	21566
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	10/1/2015 2:02:24 PM	21566
Toluene	ND	0.048		mg/Kg	1	10/1/2015 2:02:24 PM	21566
Ethylbenzene	ND	0.048		mg/Kg	1	10/1/2015 2:02:24 PM	21566
Xylenes, Total	ND	0.096		mg/Kg	1	10/1/2015 2:02:24 PM	21566
Surr: 4-Bromofluorobenzene	102	80-120		%REC	1	10/1/2015 2:02:24 PM	21566

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-3
Project: BMG Landfarm
Collection Date: 9/24/2015 12:45:00 PM
Lab ID: 1509C93-011 **Matrix:** SOIL **Received Date:** 9/26/2015 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Fluoride	0.56	0.30		mg/Kg	1	10/16/2015 4:05:32 PM	21867
Chloride	7.7	1.5		mg/Kg	1	10/16/2015 4:05:32 PM	21867
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	10/16/2015 4:05:32 PM	21867
Bromide	ND	0.30		mg/Kg	1	10/16/2015 4:05:32 PM	21867
Nitrogen, Nitrate (As N)	7.0	0.30		mg/Kg	1	10/16/2015 4:05:32 PM	21867
Phosphorus, Orthophosphate (As P)	ND	1.5		mg/Kg	1	10/16/2015 4:05:32 PM	21867
Sulfate	200	30		mg/Kg	20	10/15/2015 4:22:59 PM	21867
EPA METHOD 7471: MERCURY						Analyst: **JLF**	
Mercury	ND	0.033		mg/Kg	1	10/14/2015 10:24:54 AM	21824
EPA METHOD 6010B: SOIL METALS						Analyst: **MED**	
Arsenic	ND	12		mg/Kg	5	10/15/2015 1:09:06 PM	21787
Barium	150	0.49		mg/Kg	5	10/15/2015 1:09:06 PM	21787
Cadmium	ND	0.49		mg/Kg	5	10/15/2015 1:09:06 PM	21787
Calcium	4000	120		mg/Kg	5	10/15/2015 1:09:06 PM	21787
Chromium	15	1.5		mg/Kg	5	10/15/2015 1:09:06 PM	21787
Lead	6.6	1.2		mg/Kg	5	10/15/2015 1:09:06 PM	21787
Magnesium	3100	120		mg/Kg	5	10/15/2015 1:09:06 PM	21787
Potassium	2500	250		mg/Kg	5	10/15/2015 1:09:06 PM	21787
Selenium	ND	12		mg/Kg	5	10/15/2015 1:09:06 PM	21787
Silver	ND	1.2		mg/Kg	5	10/15/2015 1:09:06 PM	21787
Sodium	ND	120		mg/Kg	5	10/15/2015 1:09:06 PM	21787
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/1/2015 7:14:17 AM	21556
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/1/2015 7:14:17 AM	21556
Surr: DNOP	113	57.9-140		%REC	1	10/1/2015 7:14:17 AM	21556
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/1/2015 2:25:33 PM	21566
Surr: BFB	86.4	75.4-113		%REC	1	10/1/2015 2:25:33 PM	21566
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	10/1/2015 2:25:33 PM	21566
Toluene	ND	0.048		mg/Kg	1	10/1/2015 2:25:33 PM	21566
Ethylbenzene	ND	0.048		mg/Kg	1	10/1/2015 2:25:33 PM	21566
Xylenes, Total	ND	0.097		mg/Kg	1	10/1/2015 2:25:33 PM	21566
Surr: 4-Bromofluorobenzene	102	80-120		%REC	1	10/1/2015 2:25:33 PM	21566

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-4
Project: BMG Landfarm
Collection Date: 9/24/2015 12:55:00 PM
Lab ID: 1509C93-012 **Matrix:** SOIL **Received Date:** 9/26/2015 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Fluoride	1.6	0.30		mg/Kg	1	10/16/2015 4:17:57 PM	21867
Chloride	14	1.5		mg/Kg	1	10/16/2015 4:17:57 PM	21867
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	10/16/2015 4:17:57 PM	21867
Bromide	ND	0.30		mg/Kg	1	10/16/2015 4:17:57 PM	21867
Nitrogen, Nitrate (As N)	10	0.30		mg/Kg	1	10/16/2015 4:17:57 PM	21867
Phosphorus, Orthophosphate (As P)	ND	1.5		mg/Kg	1	10/16/2015 4:17:57 PM	21867
Sulfate	48	1.5		mg/Kg	1	10/16/2015 4:17:57 PM	21867
EPA METHOD 7471: MERCURY						Analyst: **JLF**	
Mercury	ND	0.033		mg/Kg	1	10/14/2015 10:26:38 AM	21824
EPA METHOD 6010B: SOIL METALS						Analyst: **MED**	
Arsenic	ND	12		mg/Kg	5	10/15/2015 1:10:53 PM	21787
Barium	110	0.50		mg/Kg	5	10/15/2015 1:10:53 PM	21787
Cadmium	ND	0.50		mg/Kg	5	10/15/2015 1:10:53 PM	21787
Calcium	4800	120		mg/Kg	5	10/15/2015 1:10:53 PM	21787
Chromium	11	1.5		mg/Kg	5	10/15/2015 1:10:53 PM	21787
Lead	5.9	1.2		mg/Kg	5	10/15/2015 1:10:53 PM	21787
Magnesium	2400	120		mg/Kg	5	10/15/2015 1:10:53 PM	21787
Potassium	1600	250		mg/Kg	5	10/15/2015 1:10:53 PM	21787
Selenium	ND	12		mg/Kg	5	10/15/2015 1:10:53 PM	21787
Silver	ND	1.2		mg/Kg	5	10/15/2015 1:10:53 PM	21787
Sodium	ND	120		mg/Kg	5	10/15/2015 1:10:53 PM	21787
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/1/2015 6:52:53 AM	21556
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/1/2015 6:52:53 AM	21556
Surr: DNOP	114	57.9-140		%REC	1	10/1/2015 6:52:53 AM	21556
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/1/2015 2:48:37 PM	21566
Surr: BFB	86.0	75.4-113		%REC	1	10/1/2015 2:48:37 PM	21566
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	10/1/2015 2:48:37 PM	21566
Toluene	ND	0.048		mg/Kg	1	10/1/2015 2:48:37 PM	21566
Ethylbenzene	ND	0.048		mg/Kg	1	10/1/2015 2:48:37 PM	21566
Xylenes, Total	ND	0.097		mg/Kg	1	10/1/2015 2:48:37 PM	21566
Surr: 4-Bromofluorobenzene	101	80-120		%REC	1	10/1/2015 2:48:37 PM	21566

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-1
Project: BMG Landfarm
Collection Date: 9/24/2015 10:50:00 AM
Lab ID: 1509C93-013 **Matrix:** SOIL **Received Date:** 9/26/2015 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Fluoride	2.5	0.30		mg/Kg	1	10/16/2015 4:30:22 PM	21867
Chloride	1.6	1.5		mg/Kg	1	10/16/2015 4:30:22 PM	21867
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	10/16/2015 4:30:22 PM	21867
Bromide	ND	0.30		mg/Kg	1	10/16/2015 4:30:22 PM	21867
Nitrogen, Nitrate (As N)	2.0	0.30		mg/Kg	1	10/16/2015 4:30:22 PM	21867
Phosphorus, Orthophosphate (As P)	ND	1.5		mg/Kg	1	10/16/2015 4:30:22 PM	21867
Sulfate	1.8	1.5		mg/Kg	1	10/16/2015 4:30:22 PM	21867
EPA METHOD 7471: MERCURY						Analyst: **JLF**	
Mercury	ND	0.032		mg/Kg	1	10/14/2015 10:28:23 AM	21824
EPA METHOD 6010B: SOIL METALS						Analyst: **MED**	
Arsenic	ND	12		mg/Kg	5	10/15/2015 1:12:33 PM	21787
Barium	100	0.49		mg/Kg	5	10/15/2015 1:12:33 PM	21787
Cadmium	ND	0.49		mg/Kg	5	10/15/2015 1:12:33 PM	21787
Calcium	4600	120		mg/Kg	5	10/15/2015 1:12:33 PM	21787
Chromium	15	1.5		mg/Kg	5	10/15/2015 1:12:33 PM	21787
Lead	6.8	1.2		mg/Kg	5	10/15/2015 1:12:33 PM	21787
Magnesium	2400	120		mg/Kg	5	10/15/2015 1:12:33 PM	21787
Potassium	1900	250		mg/Kg	5	10/15/2015 1:12:33 PM	21787
Selenium	ND	12		mg/Kg	5	10/15/2015 1:12:33 PM	21787
Silver	ND	1.2		mg/Kg	5	10/15/2015 1:12:33 PM	21787
Sodium	ND	120		mg/Kg	5	10/15/2015 1:12:33 PM	21787
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/1/2015 6:31:29 AM	21556
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/1/2015 6:31:29 AM	21556
Surr: DNOP	133	57.9-140		%REC	1	10/1/2015 6:31:29 AM	21556
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/1/2015 3:11:51 PM	21566
Surr: BFB	86.8	75.4-113		%REC	1	10/1/2015 3:11:51 PM	21566
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	10/1/2015 3:11:51 PM	21566
Toluene	ND	0.048		mg/Kg	1	10/1/2015 3:11:51 PM	21566
Ethylbenzene	ND	0.048		mg/Kg	1	10/1/2015 3:11:51 PM	21566
Xylenes, Total	ND	0.097		mg/Kg	1	10/1/2015 3:11:51 PM	21566
Surr: 4-Bromofluorobenzene	102	80-120		%REC	1	10/1/2015 3:11:51 PM	21566

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-2
Project: BMG Landfarm
Collection Date: 9/24/2015 11:10:00 AM
Lab ID: 1509C93-014
Matrix: SOIL
Received Date: 9/26/2015 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Fluoride	ND	1.5		mg/Kg	5	10/16/2015 4:42:47 PM	21867
Chloride	ND	7.5		mg/Kg	5	10/16/2015 4:42:47 PM	21867
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	10/16/2015 4:42:47 PM	21867
Bromide	ND	1.5		mg/Kg	5	10/16/2015 4:42:47 PM	21867
Nitrogen, Nitrate (As N)	6.2	1.5		mg/Kg	5	10/16/2015 4:42:47 PM	21867
Phosphorus, Orthophosphate (As P)	ND	7.5		mg/Kg	5	10/16/2015 4:42:47 PM	21867
Sulfate	ND	7.5		mg/Kg	5	10/16/2015 4:42:47 PM	21867
EPA METHOD 7471: MERCURY						Analyst: **JLF**	
Mercury	ND	0.032		mg/Kg	1	10/14/2015 10:30:08 AM	21824
EPA METHOD 6010B: SOIL METALS						Analyst: **MED**	
Arsenic	ND	13		mg/Kg	5	10/15/2015 1:14:13 PM	21787
Barium	100	0.50		mg/Kg	5	10/15/2015 1:14:13 PM	21787
Cadmium	ND	0.50		mg/Kg	5	10/15/2015 1:14:13 PM	21787
Calcium	2300	130		mg/Kg	5	10/15/2015 1:14:13 PM	21787
Chromium	15	1.5		mg/Kg	5	10/15/2015 1:14:13 PM	21787
Lead	5.9	1.3		mg/Kg	5	10/15/2015 1:14:13 PM	21787
Magnesium	2200	130		mg/Kg	5	10/15/2015 1:14:13 PM	21787
Potassium	2000	250		mg/Kg	5	10/15/2015 1:14:13 PM	21787
Selenium	ND	13		mg/Kg	5	10/15/2015 1:14:13 PM	21787
Silver	ND	1.3		mg/Kg	5	10/15/2015 1:14:13 PM	21787
Sodium	ND	130		mg/Kg	5	10/15/2015 1:14:13 PM	21787
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/1/2015 6:10:06 AM	21556
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/1/2015 6:10:06 AM	21556
Surr: DNOP	108	57.9-140		%REC	1	10/1/2015 6:10:06 AM	21556
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/1/2015 3:35:06 PM	21566
Surr: BFB	87.2	75.4-113		%REC	1	10/1/2015 3:35:06 PM	21566
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	10/1/2015 3:35:06 PM	21566
Toluene	ND	0.048		mg/Kg	1	10/1/2015 3:35:06 PM	21566
Ethylbenzene	ND	0.048		mg/Kg	1	10/1/2015 3:35:06 PM	21566
Xylenes, Total	ND	0.097		mg/Kg	1	10/1/2015 3:35:06 PM	21566
Surr: 4-Bromofluorobenzene	102	80-120		%REC	1	10/1/2015 3:35:06 PM	21566

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-3
Project: BMG Landfarm
Collection Date: 9/24/2015 11:25:00 AM
Lab ID: 1509C93-015 **Matrix:** SOIL **Received Date:** 9/26/2015 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Fluoride	ND	1.5		mg/Kg	5	10/16/2015 5:20:01 PM	21884
Chloride	ND	7.5		mg/Kg	5	10/16/2015 5:20:01 PM	21884
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	10/16/2015 5:20:01 PM	21884
Bromide	ND	1.5		mg/Kg	5	10/16/2015 5:20:01 PM	21884
Nitrogen, Nitrate (As N)	5.6	1.5		mg/Kg	5	10/16/2015 5:20:01 PM	21884
Phosphorus, Orthophosphate (As P)	ND	7.5		mg/Kg	5	10/16/2015 5:20:01 PM	21884
Sulfate	15	7.5		mg/Kg	5	10/16/2015 5:20:01 PM	21884
EPA METHOD 7471: MERCURY						Analyst: **JLF**	
Mercury	ND	0.033		mg/Kg	1	10/14/2015 10:35:35 AM	21824
EPA METHOD 6010B: SOIL METALS						Analyst: **MED**	
Arsenic	ND	12		mg/Kg	5	10/15/2015 1:22:54 PM	21787
Barium	93	0.50		mg/Kg	5	10/15/2015 1:22:54 PM	21787
Cadmium	ND	0.50		mg/Kg	5	10/15/2015 1:22:54 PM	21787
Calcium	2000	120		mg/Kg	5	10/15/2015 1:22:54 PM	21787
Chromium	15	1.5		mg/Kg	5	10/15/2015 1:22:54 PM	21787
Lead	5.9	1.2		mg/Kg	5	10/15/2015 1:22:54 PM	21787
Magnesium	2000	120		mg/Kg	5	10/15/2015 1:22:54 PM	21787
Potassium	1700	250		mg/Kg	5	10/15/2015 1:22:54 PM	21787
Selenium	ND	12		mg/Kg	5	10/15/2015 1:22:54 PM	21787
Silver	ND	1.2		mg/Kg	5	10/15/2015 1:22:54 PM	21787
Sodium	ND	120		mg/Kg	5	10/15/2015 1:22:54 PM	21787
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/1/2015 5:48:36 AM	21556
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/1/2015 5:48:36 AM	21556
Surr: DNOP	110	57.9-140		%REC	1	10/1/2015 5:48:36 AM	21556
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/1/2015 3:58:18 PM	21566
Surr: BFB	86.6	75.4-113		%REC	1	10/1/2015 3:58:18 PM	21566
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	10/1/2015 3:58:18 PM	21566
Toluene	ND	0.048		mg/Kg	1	10/1/2015 3:58:18 PM	21566
Ethylbenzene	ND	0.048		mg/Kg	1	10/1/2015 3:58:18 PM	21566
Xylenes, Total	ND	0.096		mg/Kg	1	10/1/2015 3:58:18 PM	21566
Surr: 4-Bromofluorobenzene	102	80-120		%REC	1	10/1/2015 3:58:18 PM	21566

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-4
Project: BMG Landfarm
Collection Date: 9/24/2015 11:38:00 AM
Lab ID: 1509C93-016 **Matrix:** SOIL **Received Date:** 9/26/2015 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Fluoride	0.84	0.30		mg/Kg	1	10/16/2015 5:32:26 PM	21884
Chloride	2.7	1.5		mg/Kg	1	10/16/2015 5:32:26 PM	21884
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	10/16/2015 5:32:26 PM	21884
Bromide	ND	0.30		mg/Kg	1	10/16/2015 5:32:26 PM	21884
Nitrogen, Nitrate (As N)	1.6	0.30		mg/Kg	1	10/16/2015 5:32:26 PM	21884
Phosphorus, Orthophosphate (As P)	ND	1.5		mg/Kg	1	10/16/2015 5:32:26 PM	21884
Sulfate	4.5	1.5		mg/Kg	1	10/16/2015 5:32:26 PM	21884
EPA METHOD 7471: MERCURY						Analyst: **JLF**	
Mercury	ND	0.033		mg/Kg	1	10/14/2015 10:37:20 AM	21824
EPA METHOD 6010B: SOIL METALS						Analyst: **MED**	
Arsenic	ND	12		mg/Kg	5	10/15/2015 1:24:34 PM	21787
Barium	73	0.49		mg/Kg	5	10/15/2015 1:24:34 PM	21787
Cadmium	ND	0.49		mg/Kg	5	10/15/2015 1:24:34 PM	21787
Calcium	1600	120		mg/Kg	5	10/15/2015 1:24:34 PM	21787
Chromium	9.9	1.5		mg/Kg	5	10/15/2015 1:24:34 PM	21787
Lead	4.3	1.2		mg/Kg	5	10/15/2015 1:24:34 PM	21787
Magnesium	1400	120		mg/Kg	5	10/15/2015 1:24:34 PM	21787
Potassium	1500	250		mg/Kg	5	10/15/2015 1:24:34 PM	21787
Selenium	ND	12		mg/Kg	5	10/15/2015 1:24:34 PM	21787
Silver	ND	1.2		mg/Kg	5	10/15/2015 1:24:34 PM	21787
Sodium	ND	120		mg/Kg	5	10/15/2015 1:24:34 PM	21787
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/1/2015 5:27:06 AM	21556
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/1/2015 5:27:06 AM	21556
Surr: DNOP	120	57.9-140		%REC	1	10/1/2015 5:27:06 AM	21556
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/1/2015 6:40:21 PM	21566
Surr: BFB	86.0	75.4-113		%REC	1	10/1/2015 6:40:21 PM	21566
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	10/1/2015 6:40:21 PM	21566
Toluene	ND	0.048		mg/Kg	1	10/1/2015 6:40:21 PM	21566
Ethylbenzene	ND	0.048		mg/Kg	1	10/1/2015 6:40:21 PM	21566
Xylenes, Total	ND	0.097		mg/Kg	1	10/1/2015 6:40:21 PM	21566
Surr: 4-Bromofluorobenzene	101	80-120		%REC	1	10/1/2015 6:40:21 PM	21566

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1509C93**
22-Oct-15

Client: Animas Environmental Services
Project: BMG Landfarm

Sample ID	**MB-21867**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**21867**	RunNo:	**29590**					
Prep Date:	**10/15/2015**	Analysis Date:	**10/15/2015**	SeqNo:	**900830**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.30								
Chloride	ND	1.5								
Nitrogen, Nitrite (As N)	ND	0.30								
Bromide	ND	0.30								
Nitrogen, Nitrate (As N)	ND	0.30								
Phosphorus, Orthophosphate (As P	ND	1.5								
Sulfate	ND	1.5								

Sample ID	**LCS-21867**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**21867**	RunNo:	**29590**					
Prep Date:	**10/15/2015**	Analysis Date:	**10/15/2015**	SeqNo:	**900831**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.5	0.30	1.500	0	100	90	110			
Chloride	14	1.5	15.00	0	92.0	90	110			
Nitrogen, Nitrite (As N)	2.8	0.30	3.000	0	94.2	90	110			
Bromide	7.2	0.30	7.500	0	95.4	90	110			
Nitrogen, Nitrate (As N)	7.3	0.30	7.500	0	96.8	90	110			
Phosphorus, Orthophosphate (As P	14	1.5	15.00	0	95.1	90	110			
Sulfate	28	1.5	30.00	0	94.7	90	110			

Sample ID	**MB-21884**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**21884**	RunNo:	**29590**					
Prep Date:	**10/15/2015**	Analysis Date:	**10/15/2015**	SeqNo:	**900858**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.30								
Chloride	ND	1.5								
Nitrogen, Nitrite (As N)	ND	0.30								
Bromide	ND	0.30								
Nitrogen, Nitrate (As N)	ND	0.30								
Phosphorus, Orthophosphate (As P	ND	1.5								
Sulfate	ND	1.5								

Sample ID	**LCS-21884**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**21884**	RunNo:	**29590**					
Prep Date:	**10/15/2015**	Analysis Date:	**10/15/2015**	SeqNo:	**900859**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.5	0.30	1.500	0	101	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1509C93**

22-Oct-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**LCS-21884**	SampType:	**LCS**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**LCSS**	Batch ID:	**21884**		RunNo:	**29590**				
Prep Date:	**10/15/2015**	Analysis Date:	**10/15/2015**		SeqNo:	**900859**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.2	90	110			
Nitrogen, Nitrite (As N)	2.8	0.30	3.000	0	94.4	90	110			
Bromide	7.2	0.30	7.500	0	95.6	90	110			
Nitrogen, Nitrate (As N)	7.3	0.30	7.500	0	97.0	90	110			
Phosphorus, Orthophosphate (As P	14	1.5	15.00	0	95.6	90	110			
Sulfate	28	1.5	30.00	0	94.7	90	110			

Sample ID	**1509C93-001AMS**	SampType:	**MS**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**Cell #1 VZ S-1**	Batch ID:	**21867**		RunNo:	**29627**				
Prep Date:	**10/15/2015**	Analysis Date:	**10/16/2015**		SeqNo:	**902090**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	2.9	0.30	3.000	0	96.4	84.9	108			
Bromide	7.1	0.30	7.500	0	95.2	83.6	114			
Nitrogen, Nitrate (As N)	10	0.30	7.500	0	136	87.6	109			S
Sulfate	33	1.5	30.00	0	111	37.4	146			

Sample ID	**1509C93-001AMSD**	SampType:	**MSD**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**Cell #1 VZ S-1**	Batch ID:	**21867**		RunNo:	**29627**				
Prep Date:	**10/15/2015**	Analysis Date:	**10/16/2015**		SeqNo:	**902091**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	2.9	0.30	3.000	0	95.2	84.9	108	17.1	20	
Bromide	7.1	0.30	7.500	0	94.5	83.6	114	16.7	20	
Nitrogen, Nitrate (As N)	10	0.30	7.500	0	135	87.6	109	0.648	20	S
Sulfate	33	1.5	30.00	0	110	37.4	146	10.2	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1509C93**

22-Oct-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-21556**	SampType:	**MBLK**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**PBS**	Batch ID:	**21556**		RunNo:	**29205**				
Prep Date:	**9/29/2015**	Analysis Date:	**9/30/2015**		SeqNo:	**887167**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		120	57.9	140			

Sample ID	**LCS-21556**	SampType:	**LCS**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**LCSS**	Batch ID:	**21556**		RunNo:	**29205**				
Prep Date:	**9/29/2015**	Analysis Date:	**9/30/2015**		SeqNo:	**887187**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	10	50.00	0	110	57.4	139			
Surr: DNOP	6.1		5.000		121	57.9	140			

Sample ID	**1509C93-001AMS**	SampType:	**MS**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**Cell #1 VZ S-1**	Batch ID:	**21556**		RunNo:	**29200**				
Prep Date:	**9/29/2015**	Analysis Date:	**9/30/2015**		SeqNo:	**887985**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	9.9	49.65	0	93.1	42.3	146			
Surr: DNOP	5.0		4.965		99.8	57.9	140			

Sample ID	**1509C93-001AMSD**	SampType:	**MSD**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**Cell #1 VZ S-1**	Batch ID:	**21556**		RunNo:	**29200**				
Prep Date:	**9/29/2015**	Analysis Date:	**10/1/2015**		SeqNo:	**887986**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.10	0	96.5	42.3	146	4.50	28.9	
Surr: DNOP	5.0		5.010		98.9	57.9	140	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1509C93**

22-Oct-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-21566**	SampType:	**MBLK**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**PBS**	Batch ID:	**21566**		RunNo:	**29220**				
Prep Date:	**9/29/2015**	Analysis Date:	**9/30/2015**		SeqNo:	**887549**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	870		1000		87.1	75.4	113			

Sample ID	**LCS-21566**	SampType:	**LCS**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**LCSS**	Batch ID:	**21566**		RunNo:	**29220**				
Prep Date:	**9/29/2015**	Analysis Date:	**9/30/2015**		SeqNo:	**887550**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.6	79.6	122			
Surr: BFB	940		1000		93.8	75.4	113			

Sample ID	**1509C93-001AMS**	SampType:	**MS**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**Cell #1 VZ S-1**	Batch ID:	**21566**		RunNo:	**29220**				
Prep Date:	**9/29/2015**	Analysis Date:	**9/30/2015**		SeqNo:	**887552**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	4.9	24.27	0	110	62.5	151			
Surr: BFB	920		970.9		94.7	75.4	113			

Sample ID	**1509C93-001AMSD**	SampType:	**MSD**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**Cell #1 VZ S-1**	Batch ID:	**21566**		RunNo:	**29220**				
Prep Date:	**9/29/2015**	Analysis Date:	**9/30/2015**		SeqNo:	**887553**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	4.8	24.25	0	112	62.5	151	1.84	22.1	
Surr: BFB	920		969.9		94.4	75.4	113	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1509C93**

22-Oct-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-21566**	SampType: **MBLK**		TestCode: **EPA Method 8021B: Volatiles**					
Client ID:	**PBS**	Batch ID: **21566**		RunNo: **29220**					
Prep Date:	**9/29/2015**	Analysis Date: **9/30/2015**		SeqNo: **887626**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			

Sample ID	**LCS-21566**	SampType: **LCS**		TestCode: **EPA Method 8021B: Volatiles**					
Client ID:	**LCSS**	Batch ID: **21566**		RunNo: **29220**					
Prep Date:	**9/29/2015**	Analysis Date: **9/30/2015**		SeqNo: **887627**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.050	1.000	0	91.5	80	120			
Toluene	0.90	0.050	1.000	0	90.0	80	120			
Ethylbenzene	0.94	0.050	1.000	0	93.8	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.9	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		108	80	120			

Sample ID	**1509C93-002AMS**	SampType: **MS**		TestCode: **EPA Method 8021B: Volatiles**					
Client ID:	**Cell #1 VZ S-2**	Batch ID: **21566**		RunNo: **29220**					
Prep Date:	**9/29/2015**	Analysis Date: **9/30/2015**		SeqNo: **887632**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.048	0.9681	0	99.4	69.6	136			
Toluene	0.94	0.048	0.9681	0	96.8	76.2	134			
Ethylbenzene	0.96	0.048	0.9681	0	99.3	75.8	137			
Xylenes, Total	2.9	0.097	2.904	0	99.4	78.9	133			
Surr: 4-Bromofluorobenzene	1.1		0.9681		110	80	120			

Sample ID	**1509C93-002AMSD**	SampType: **MSD**		TestCode: **EPA Method 8021B: Volatiles**					
Client ID:	**Cell #1 VZ S-2**	Batch ID: **21566**		RunNo: **29220**					
Prep Date:	**9/29/2015**	Analysis Date: **9/30/2015**		SeqNo: **887633**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.049	0.9709	0	113	69.6	136	12.8	20	
Toluene	1.1	0.049	0.9709	0	113	76.2	134	15.6	20	
Ethylbenzene	1.1	0.049	0.9709	0	117	75.8	137	16.2	20	
Xylenes, Total	3.4	0.097	2.913	0	118	78.9	133	17.0	20	
Surr: 4-Bromofluorobenzene	1.1		0.9709		108	80	120	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1509C93**

22-Oct-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-21824**	SampType:	**MBLK**		TestCode:	**EPA Method 7471: Mercury**				
Client ID:	**PBS**	Batch ID:	**21824**		RunNo:	**29521**				
Prep Date:	**10/13/2015**	Analysis Date:	**10/14/2015**		SeqNo:	**898146**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.033								

Sample ID	**LCS-21824**	SampType:	**LCS**		TestCode:	**EPA Method 7471: Mercury**				
Client ID:	**LCSS**	Batch ID:	**21824**		RunNo:	**29521**				
Prep Date:	**10/13/2015**	Analysis Date:	**10/14/2015**		SeqNo:	**898147**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.17	0.033	0.1667	0	102	80	120			

Sample ID	**1509C93-001AMS**	SampType:	**MS**		TestCode:	**EPA Method 7471: Mercury**				
Client ID:	**Cell #1 VZ S-1**	Batch ID:	**21824**		RunNo:	**29521**				
Prep Date:	**10/13/2015**	Analysis Date:	**10/14/2015**		SeqNo:	**898151**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.17	0.032	0.1635	0.004871	100	75	125			

Sample ID	**1509C93-001AMSD**	SampType:	**MSD**		TestCode:	**EPA Method 7471: Mercury**				
Client ID:	**Cell #1 VZ S-1**	Batch ID:	**21824**		RunNo:	**29521**				
Prep Date:	**10/13/2015**	Analysis Date:	**10/14/2015**		SeqNo:	**898152**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.17	0.033	0.1650	0.004871	103	75	125	3.44	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1509C93**

22-Oct-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-21787**	SampType:	**MBLK**	TestCode:	**EPA Method 6010B: Soil Metals**
Client ID:	**PBS**	Batch ID:	**21787**	RunNo:	**29499**
Prep Date:	**10/12/2015**	Analysis Date:	**10/13/2015**	SeqNo:	**897295** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	2.5								
Barium	ND	0.10								
Cadmium	ND	0.10								
Calcium	ND	25								
Chromium	ND	0.30								
Lead	ND	0.25								
Potassium	ND	50								
Selenium	ND	2.5								
Silver	ND	0.25								

Sample ID	**LCS-21787**	SampType:	**LCS**	TestCode:	**EPA Method 6010B: Soil Metals**
Client ID:	**LCSS**	Batch ID:	**21787**	RunNo:	**29499**
Prep Date:	**10/12/2015**	Analysis Date:	**10/13/2015**	SeqNo:	**897296** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	26	2.5	25.00	0	104	80	120			
Barium	26	0.10	25.00	0	106	80	120			
Cadmium	27	0.10	25.00	0	106	80	120			
Calcium	2600	25	2500	0	104	80	120			
Chromium	27	0.30	25.00	0	107	80	120			
Lead	26	0.25	25.00	0	104	80	120			
Potassium	2500	50	2500	0	98.6	80	120			
Selenium	25	2.5	25.00	0	98.3	80	120			
Silver	5.3	0.25	5.000	0	105	80	120			

Sample ID	**MB-21787**	SampType:	**MBLK**	TestCode:	**EPA Method 6010B: Soil Metals**
Client ID:	**PBS**	Batch ID:	**21787**	RunNo:	**29499**
Prep Date:	**10/12/2015**	Analysis Date:	**10/13/2015**	SeqNo:	**897315** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	ND	25								
Silver	ND	0.25								

Sample ID	**LCS-21787**	SampType:	**LCS**	TestCode:	**EPA Method 6010B: Soil Metals**
Client ID:	**LCSS**	Batch ID:	**21787**	RunNo:	**29499**
Prep Date:	**10/12/2015**	Analysis Date:	**10/13/2015**	SeqNo:	**897316** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	2500	25	2500	0	101	80	120			
Silver	4.9	0.25	5.000	0	97.9	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- B Analyte detected in the associated Method Blank
- D Sample Diluted Due to Matrix
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- R RPD outside accepted recovery limits
- RL Reporting Detection Limit
- S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1509C93**

22-Oct-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**1509C93-002AMS**	SampType:	**MS**		TestCode:	**EPA Method 6010B: Soil Metals**				
Client ID:	**Cell #1 VZ S-2**	Batch ID:	**21787**		RunNo:	**29558**				
Prep Date:	**10/12/2015**	Analysis Date:	**10/15/2015**		SeqNo:	**899763**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	27	12	24.55	0	109	75	125			
Barium	160	0.49	24.55	141.8	76.0	75	125			
Cadmium	23	0.49	24.55	0	94.8	75	125			
Calcium	9900	120	2455	7680	88.5	75	125			
Chromium	33	1.5	24.55	9.373	97.6	75	125			
Lead	27	1.2	24.55	5.719	88.0	75	125			
Magnesium	5400	120	2455	2808	107	75	125			
Potassium	4000	250	2455	1691	95.4	75	125			
Selenium	23	12	24.55	0	95.4	75	125			
Silver	4.4	1.2	4.910	0	89.8	75	125			

Sample ID	**1509C93-002AMSD**	SampType:	**MSD**		TestCode:	**EPA Method 6010B: Soil Metals**				
Client ID:	**Cell #1 VZ S-2**	Batch ID:	**21787**		RunNo:	**29558**				
Prep Date:	**10/12/2015**	Analysis Date:	**10/15/2015**		SeqNo:	**899764**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	27	12	24.84	0	108	75	125	0.0325	20	
Barium	170	0.50	24.84	141.8	101	75	125	4.00	20	
Cadmium	24	0.50	24.84	0	95.0	75	125	1.36	20	
Calcium	9800	120	2484	7680	83.7	75	125	0.957	20	
Chromium	33	1.5	24.84	9.373	97.1	75	125	0.493	20	
Lead	27	1.2	24.84	5.719	87.4	75	125	0.327	20	
Magnesium	5400	120	2484	2808	105	75	125	0.0540	20	
Potassium	4000	250	2484	1691	94.9	75	125	0.365	20	
Selenium	23	12	24.84	0	93.1	75	125	1.24	20	
Silver	4.4	1.2	4.968	0	88.7	75	125	0.123	20	

Sample ID	**1509C93-002AMS**	SampType:	**MS**		TestCode:	**EPA Method 6010B: Soil Metals**				
Client ID:	**Cell #1 VZ S-2**	Batch ID:	**21787**		RunNo:	**29558**				
Prep Date:	**10/12/2015**	Analysis Date:	**10/15/2015**		SeqNo:	**899799**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sodium	2400	120	2455	104.5	92.5	75	125			

Sample ID	**1509C93-002AMSD**	SampType:	**MSD**		TestCode:	**EPA Method 6010B: Soil Metals**				
Client ID:	**Cell #1 VZ S-2**	Batch ID:	**21787**		RunNo:	**29558**				
Prep Date:	**10/12/2015**	Analysis Date:	**10/15/2015**		SeqNo:	**899800**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sodium	2500	120	2484	104.5	96.5	75	125	5.18	20	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- B Analyte detected in the associated Method Blank
- D Sample Diluted Due to Matrix
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- R RPD outside accepted recovery limits
- RL Reporting Detection Limit
- S % Recovery outside of range due to dilution or matrix

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1509C93 RcptNo: 1

Received by/date: LM 09/26/15

Logged By: Celina Sessa 9/26/2015 8:30:00 AM Celina Sessa

Completed By: Celina Sessa 9/28/2015 9:23:17 AM Celina Sessa

Reviewed By: 09/29/15

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.3	Good	Yes			

Chain-of-Custody Record

Client:	**Animas Environmental Services**
Mailing Address:	**604 W. Pinon Street**
	Farmington, NM 87401
Phone #:	**505-564-2281**
email or Fax#:	shinds@animasenvironmental.com
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other_____
□ EDD (Type)	_____

Turn-Around Time:

X Standard □ Rush_____

Project Name: **BMG Landfarm**

Project #: **AES 040605**

Project Manager: **Stephanie Hinds**

Sampler: S. Hinds

On Ice: X Yes □ No

Sample Temperature: 1.4 - 0.1 (c) = 1.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1509093	BTEX 8021	TPH 8015	Chlorides 300.0	RCRA 8 Metals	Major Cations/Anions						Air Bubbles (Y or N)
9/24/2015	15:00	Soil	Cell #1 VZ S-1	2 - 4 oz jars, 1-ziplock bag	Cool	-001	X	X	X	X	X						
9/24/2015	15:10	Soil	Cell #1 VZ S-2	2 - 4 oz jars, 1-ziplock bag	Cool	-002	X	X	X	X	X						
9/24/2015	15:28	Soil	Cell #1 VZ S-3	2 - 4 oz jars, 1-ziplock bag	Cool	-003	X	X	X	X	X						
9/24/2015	15:42	Soil	Cell #1 VZ S-4	2 - 4 oz jars, 1-ziplock bag	Cool	-004	X	X	X	X	X						
9/24/2015	13:38	Soil	Cell #2 VZ S-1	2 - 4 oz jars, 1-ziplock bag	Cool	-005	X	X	X	X	X						
9/24/2015	13:50	Soil	Cell #2 VZ S-2	2 - 4 oz jars, 1-ziplock bag	Cool	-006	X	X	X	X	X						
9/24/2015	14:05	Soil	Cell #2 VZ S-3	2 - 4 oz jars, 1-ziplock bag	Cool	-007	X	X	X	X	X						
9/24/2015	14:25	Soil	Cell #2 VZ S-4	2 - 4 oz jars, 1-ziplock bag	Cool	-008	X	X	X	X	X						

09/26/15 0830

Chain-of-Custody Record

Client: **Animas Environmental Services**

Mailing Address: **604 W. Pinon Street**
Farmington, NM 87401

Phone #: **505-564-2281**

email or Fax#: shinds@animasenvironmental.com

QA/QC Package:
X Standard □ Level 4 (Full Validation)

Accreditation:
□ NELAP □ Other

□ EDD (Type)

Turn-Around Time:
X Standard □ Rush

Project Name: **BMG Landfarm**

Project #: **AES 040605**

Project Manager: **Stephanie Hinds**

Sampler: S. Hinds

On Ice: X Yes □ No

Sample Temperature: 1.4 - 0.1 CF = 1.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1509C93	BTEX 8021	TPH 8015	Chlorides 300.0	RCRA 8 Metals	Major Cations/Anions							Air Bubbles (Y or N)
9/24/2015	12:15	Soil	Cell #3 VZ S-1	2 - 4 oz jars, 1-ziplock bag	Cool	-009	X	X	X	X	X							
9/24/2015	12:28	Soil	Cell #3 VZ S-2	2 - 4 oz jars, 1-ziplock bag	Cool	-010	X	X	X	X	X							
9/24/2015	12:45	Soil	Cell #3 VZ S-3	2 - 4 oz jars, 1-ziplock bag	Cool	-011	X	X	X	X	X							
9/24/2015	12:55	Soil	Cell #3 VZ S-4	2 - 4 oz jars, 1-ziplock bag	Cool	-012	X	X	X	X	X							
9/24/2015	10:50	Soil	Cell #4 VZ S-1	2 - 4 oz jars, 1-ziplock bag	Cool	-013	X	X	X	X	X							
9/24/2015	11:10	Soil	Cell #4 VZ S-2	2 - 4 oz jars, 1-ziplock bag	Cool	-014	X	X	X	X	X							
9/24/2015	11:25	Soil	Cell #4 VZ S-3	2 - 4 oz jars, 1-ziplock bag	Cool	-015	X	X	X	X	X							
9/24/2015	11:38	Soil	Cell #4 VZ S-4	2 - 4 oz jars, 1-ziplock bag	Cool	-016	X	X	X	X	X							

Date	Time	Relinquished by:	Received by:	Date	Time
9/25/15	1743	Stephanie Hinds	Mustu Walte	9/25/15	1743
9/25/15	1910	Mustu Walte		09/26/15	0835

Remarks: Call if questions.

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

October 21, 2015

Stephanie Hinds

Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 215-3688
FAX

RE: BMG Landfarm OrderNo.: 1509C95

Dear Stephanie Hinds:

Hall Environmental Analysis Laboratory received 7 sample(s) on 9/26/2015 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 qualifers 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 #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-1
Project: BMG Landfarm
Collection Date: 9/24/2015 1:28:00 PM
Lab ID: 1509C95-001 **Matrix:** AQUEOUS **Received Date:** 9/26/2015 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	38	5.0		mg/L	10	9/29/2015 9:03:37 PM	R29185
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	710	200	*D	mg/L	1	10/2/2015 8:33:00 AM	21590
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/30/2015 7:14:07 PM	21558
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/30/2015 7:14:07 PM	21558
Surr: DNOP	114	72-136		%REC	1	9/30/2015 7:14:07 PM	21558
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/29/2015 2:05:37 PM	A29180
Surr: BFB	86.2	57.8-137		%REC	1	9/29/2015 2:05:37 PM	A29180
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	9/29/2015 2:05:37 PM	R29180
Toluene	ND	1.0		µg/L	1	9/29/2015 2:05:37 PM	R29180
Ethylbenzene	ND	1.0		µg/L	1	9/29/2015 2:05:37 PM	R29180
Xylenes, Total	ND	2.0		µg/L	1	9/29/2015 2:05:37 PM	R29180
Surr: 4-Bromofluorobenzene	103	65-127		%REC	1	9/29/2015 2:05:37 PM	R29180

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-2
Project: BMG Landfarm
Collection Date: 9/24/2015 2:50:00 PM
Lab ID: 1509C95-002
Matrix: AQUEOUS
Received Date: 9/26/2015 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	48	5.0		mg/L	10	9/29/2015 9:28:26 PM	R29185
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	740	200	*D	mg/L	1	10/2/2015 8:33:00 AM	21590
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/30/2015 8:36:38 PM	21558
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/30/2015 8:36:38 PM	21558
Surr: DNOP	111	72-136		%REC	1	9/30/2015 8:36:38 PM	21558
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/29/2015 2:28:51 PM	A29180
Surr: BFB	88.4	57.8-137		%REC	1	9/29/2015 2:28:51 PM	A29180
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	9/29/2015 2:28:51 PM	R29180
Toluene	ND	1.0		µg/L	1	9/29/2015 2:28:51 PM	R29180
Ethylbenzene	ND	1.0		µg/L	1	9/29/2015 2:28:51 PM	R29180
Xylenes, Total	ND	2.0		µg/L	1	9/29/2015 2:28:51 PM	R29180
Surr: 4-Bromofluorobenzene	103	65-127		%REC	1	9/29/2015 2:28:51 PM	R29180

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-3
Project: BMG Landfarm
Collection Date: 9/24/2015 11:15:00 AM
Lab ID: 1509C95-003
Matrix: AQUEOUS
Received Date: 9/26/2015 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	23	5.0		mg/L	10	9/29/2015 10:18:04 PM	R29185
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	570	200	*D	mg/L	1	10/2/2015 8:33:00 AM	21590
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/30/2015 9:04:08 PM	21558
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/30/2015 9:04:08 PM	21558
Surr: DNOP	107	72-136		%REC	1	9/30/2015 9:04:08 PM	21558
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/29/2015 2:52:01 PM	A29180
Surr: BFB	89.2	57.8-137		%REC	1	9/29/2015 2:52:01 PM	A29180
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	9/29/2015 2:52:01 PM	R29180
Toluene	ND	1.0		µg/L	1	9/29/2015 2:52:01 PM	R29180
Ethylbenzene	ND	1.0		µg/L	1	9/29/2015 2:52:01 PM	R29180
Xylenes, Total	ND	2.0		µg/L	1	9/29/2015 2:52:01 PM	R29180
Surr: 4-Bromofluorobenzene	104	65-127		%REC	1	9/29/2015 2:52:01 PM	R29180

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-4
Project: BMG Landfarm
Collection Date: 9/24/2015 12:18:00 PM
Lab ID: 1509C95-004
Matrix: AQUEOUS
Received Date: 9/26/2015 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	97	5.0		mg/L	10	9/29/2015 10:42:54 PM	R29185
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	635	100	*D	mg/L	1	10/2/2015 8:33:00 AM	21590
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/30/2015 9:32:00 PM	21558
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/30/2015 9:32:00 PM	21558
Surr: DNOP	112	72-136		%REC	1	9/30/2015 9:32:00 PM	21558
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/29/2015 3:15:13 PM	A29180
Surr: BFB	88.6	57.8-137		%REC	1	9/29/2015 3:15:13 PM	A29180
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	9/29/2015 3:15:13 PM	R29180
Toluene	ND	1.0		µg/L	1	9/29/2015 3:15:13 PM	R29180
Ethylbenzene	ND	1.0		µg/L	1	9/29/2015 3:15:13 PM	R29180
Xylenes, Total	ND	2.0		µg/L	1	9/29/2015 3:15:13 PM	R29180
Surr: 4-Bromofluorobenzene	104	65-127		%REC	1	9/29/2015 3:15:13 PM	R29180

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Interstitial Well
Project: BMG Landfarm
Collection Date: 9/24/2015 3:45:00 PM
Lab ID: 1509C95-005 **Matrix:** AQUEOUS **Received Date:** 9/26/2015 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	100000	5000	*	mg/L	1E	10/15/2015 6:07:43 PM	R29584
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	141000	2000	*D	mg/L	1	10/2/2015 8:33:00 AM	21590
SM4500-H+B: PH						Analyst: **JRR**	
pH	7.24	1.68	H	pH units	1	10/2/2015 11:28:38 PM	R29258
EPA METHOD 7470: MERCURY						Analyst: **JLF**	
Mercury	ND	0.00020		mg/L	1	10/6/2015 3:41:06 PM	21684
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **MED**	
Arsenic	0.77	0.20		mg/L	10	10/12/2015 9:37:38 AM	21722
Barium	50	2.0		mg/L	100	10/13/2015 1:36:18 PM	21722
Cadmium	0.054	0.020		mg/L	10	10/12/2015 9:37:38 AM	21722
Chromium	ND	0.060		mg/L	10	10/12/2015 9:37:38 AM	21722
Iron	1.5	0.50		mg/L	10	10/12/2015 9:37:38 AM	21722
Lead	ND	0.050		mg/L	10	10/12/2015 9:37:38 AM	21722
Selenium	ND	0.50		mg/L	10	10/12/2015 9:37:38 AM	21722
Silver	ND	0.050		mg/L	10	10/12/2015 9:37:38 AM	21722
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**	
Diesel Range Organics (DRO)	2.8	1.0		mg/L	1	9/30/2015 9:59:36 PM	21558
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/30/2015 9:59:36 PM	21558
Surr: DNOP	97.5	72-136		%REC	1	9/30/2015 9:59:36 PM	21558
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	0.074	0.050		mg/L	1	9/29/2015 3:38:24 PM	A29180
Surr: BFB	88.9	57.8-137		%REC	1	9/29/2015 3:38:24 PM	A29180
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	9/29/2015 3:38:24 PM	R29180
Toluene	ND	1.0		µg/L	1	9/29/2015 3:38:24 PM	R29180
Ethylbenzene	ND	1.0		µg/L	1	9/29/2015 3:38:24 PM	R29180
Xylenes, Total	ND	2.0		µg/L	1	9/29/2015 3:38:24 PM	R29180
Surr: 4-Bromofluorobenzene	105	65-127		%REC	1	9/29/2015 3:38:24 PM	R29180

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Pond
Project: BMG Landfarm
Collection Date: 9/24/2015 4:00:00 PM
Lab ID: 1509C95-006
Matrix: AQUEOUS
Received Date: 9/26/2015 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	87000	5000	*	mg/L	1E	10/15/2015 6:20:08 PM	R29584
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	136000	2000	*D	mg/L	1	10/2/2015 8:33:00 AM	21590
SM4500-H+B: PH						Analyst: **JRR**	
pH	7.08	1.68	H	pH units	1	10/2/2015 11:33:05 PM	R29258
EPA METHOD 7470: MERCURY						Analyst: **JLF**	
Mercury	ND	0.00020		mg/L	1	10/6/2015 3:43:13 PM	21684
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **MED**	
Arsenic	ND	0.20		mg/L	10	10/12/2015 9:39:29 AM	21722
Barium	210	20		mg/L	1E	10/13/2015 1:45:19 PM	21722
Cadmium	ND	0.020		mg/L	10	10/12/2015 9:39:29 AM	21722
Chromium	ND	0.060		mg/L	10	10/12/2015 9:39:29 AM	21722
Iron	12	5.0		mg/L	100	10/13/2015 1:38:09 PM	21722
Lead	ND	0.050		mg/L	10	10/12/2015 9:39:29 AM	21722
Selenium	ND	0.50		mg/L	10	10/12/2015 9:39:29 AM	21722
Silver	ND	0.050		mg/L	10	10/12/2015 9:39:29 AM	21722
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**	
Diesel Range Organics (DRO)	2.9	1.0		mg/L	1	9/30/2015 10:54:42 PM	21558
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/30/2015 10:54:42 PM	21558
Surr: DNOP	104	72-136		%REC	1	9/30/2015 10:54:42 PM	21558
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	0.11	0.050		mg/L	1	9/29/2015 4:01:34 PM	A29180
Surr: BFB	93.1	57.8-137		%REC	1	9/29/2015 4:01:34 PM	A29180
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	13	1.0		µg/L	1	9/29/2015 4:01:34 PM	R29180
Toluene	13	1.0		µg/L	1	9/29/2015 4:01:34 PM	R29180
Ethylbenzene	1.0	1.0		µg/L	1	9/29/2015 4:01:34 PM	R29180
Xylenes, Total	5.6	2.0		µg/L	1	9/29/2015 4:01:34 PM	R29180
Surr: 4-Bromofluorobenzene	110	65-127		%REC	1	9/29/2015 4:01:34 PM	R29180

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Trip Blank
Project: BMG Landfarm
Collection Date:
Lab ID: 1509C95-007
Matrix: TRIP BLANK
Received Date: 9/26/2015 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/29/2015 4:24:38 PM	A29180
Surr: BFB	88.3	57.8-137		%REC	1	9/29/2015 4:24:38 PM	A29180
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	9/29/2015 4:24:38 PM	R29180
Toluene	ND	1.0		µg/L	1	9/29/2015 4:24:38 PM	R29180
Ethylbenzene	ND	1.0		µg/L	1	9/29/2015 4:24:38 PM	R29180
Xylenes, Total	ND	2.0		µg/L	1	9/29/2015 4:24:38 PM	R29180
Surr: 4-Bromofluorobenzene	104	65-127		%REC	1	9/29/2015 4:24:38 PM	R29180

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1509C95**

21-Oct-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R29185**	RunNo:	**29185**					
Prep Date:		Analysis Date:	**9/29/2015**	SeqNo:	**886496**	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:	**R29185**	RunNo:	**29185**					
Prep Date:		Analysis Date:	**9/29/2015**	SeqNo:	**886497**	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	97.4	90	110			

Sample ID	**MB**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R29584**	RunNo:	**29584**					
Prep Date:		Analysis Date:	**10/15/2015**	SeqNo:	**900574**	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:	**R29584**	RunNo:	**29584**					
Prep Date:		Analysis Date:	**10/15/2015**	SeqNo:	**900575**	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	93.2	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1509C95**

21-Oct-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-21558**	SampType:	**MBLK**	TestCode:	**EPA Method 8015M/D: Diesel Range**					
Client ID:	**PBW**	Batch ID:	**21558**	RunNo:	**29200**					
Prep Date:	**9/29/2015**	Analysis Date:	**9/30/2015**	SeqNo:	**887039**	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	1.1		1.000		111	72	136			

Sample ID	**LCS-21558**	SampType:	**LCS**	TestCode:	**EPA Method 8015M/D: Diesel Range**					
Client ID:	**LCSW**	Batch ID:	**21558**	RunNo:	**29200**					
Prep Date:	**9/29/2015**	Analysis Date:	**9/30/2015**	SeqNo:	**887040**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	5.1	1.0	5.000	0	102	52.4	154			
Surr: DNOP	0.53		0.5000		107	72	136			

Sample ID	**1509C95-001BMS**	SampType:	**MS**	TestCode:	**EPA Method 8015M/D: Diesel Range**					
Client ID:	**MW-1**	Batch ID:	**21558**	RunNo:	**29200**					
Prep Date:	**9/29/2015**	Analysis Date:	**9/30/2015**	SeqNo:	**887959**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	5.7	1.0	5.000	0	114	41.3	177			
Surr: DNOP	0.58		0.5000		117	72	136			

Sample ID	**1509C95-001BMSD**	SampType:	**MSD**	TestCode:	**EPA Method 8015M/D: Diesel Range**					
Client ID:	**MW-1**	Batch ID:	**21558**	RunNo:	**29200**					
Prep Date:	**9/29/2015**	Analysis Date:	**9/30/2015**	SeqNo:	**887961**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	5.7	1.0	5.000	0	113	-94.6	317	0.504	22.1	
Surr: DNOP	0.58		0.5000		117	72	136	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1509C95**

21-Oct-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**5ML RB**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**PBW**	Batch ID:	**A29180**	RunNo:	**29180**					
Prep Date:		Analysis Date:	**9/29/2015**	SeqNo:	**886270**	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	18		20.00		87.6	57.8	137			

Sample ID	**2.5UG GRO LCS**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSW**	Batch ID:	**A29180**	RunNo:	**29180**					
Prep Date:		Analysis Date:	**9/29/2015**	SeqNo:	**886271**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.54	0.050	0.5000	0	107	80	120			
Surr: BFB	19		20.00		97.3	57.8	137			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1509C95**

21-Oct-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**5ML RB**	SampType:	**MBLK**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**PBW**	Batch ID:	**R29180**	RunNo:	**29180**					
Prep Date:		Analysis Date:	**9/29/2015**	SeqNo:	**886291**	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	65	127			

Sample ID	**100NG BTEX LCS**	SampType:	**LCS**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**LCSW**	Batch ID:	**R29180**	RunNo:	**29180**					
Prep Date:		Analysis Date:	**9/29/2015**	SeqNo:	**886292**	Units:	**µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	102	80	120			
Toluene	20	1.0	20.00	0	99.4	80	120			
Ethylbenzene	20	1.0	20.00	0	99.4	80	120			
Xylenes, Total	59	2.0	60.00	0	98.2	80	120			
Surr: 4-Bromofluorobenzene	22		20.00		109	65	127			

Sample ID	**1509C95-001AMS**	SampType:	**MS**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**MW-1**	Batch ID:	**R29180**	RunNo:	**29180**					
Prep Date:		Analysis Date:	**9/29/2015**	SeqNo:	**886294**	Units:	**µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	98.7	50.9	146			
Toluene	20	1.0	20.00	0	97.9	71.7	136			
Ethylbenzene	20	1.0	20.00	0	98.7	74.2	132			
Xylenes, Total	59	2.0	60.00	0	98.5	75.7	130			
Surr: 4-Bromofluorobenzene	22		20.00		111	65	127			

Sample ID	**1509C95-001AMSD**	SampType:	**MSD**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**MW-1**	Batch ID:	**R29180**	RunNo:	**29180**					
Prep Date:		Analysis Date:	**9/29/2015**	SeqNo:	**886295**	Units:	**µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	100	50.9	146	1.79	20	
Toluene	20	1.0	20.00	0	98.6	71.7	136	0.777	20	
Ethylbenzene	20	1.0	20.00	0	98.4	74.2	132	0.360	20	
Xylenes, Total	59	2.0	60.00	0	98.3	75.7	130	0.275	20	
Surr: 4-Bromofluorobenzene	22		20.00		111	65	127	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1509C95**

21-Oct-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-21684**	SampType:	**MBLK**	TestCode:	**EPA Method 7470: Mercury**					
Client ID:	**PBW**	Batch ID:	**21684**	RunNo:	**29353**					
Prep Date:	**10/6/2015**	Analysis Date:	**10/6/2015**	SeqNo:	**892607**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.00020								

Sample ID	**LCS-21684**	SampType:	**LCS**	TestCode:	**EPA Method 7470: Mercury**					
Client ID:	**LCSW**	Batch ID:	**21684**	RunNo:	**29353**					
Prep Date:	**10/6/2015**	Analysis Date:	**10/6/2015**	SeqNo:	**892608**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0051	0.00020	0.005000	0	102	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1509C95**

21-Oct-15

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-21722**	SampType:	**MBLK**	TestCode:	**EPA 6010B: Total Recoverable Metals**					
Client ID:	**PBW**	Batch ID:	**21722**	RunNo:	**29410**					
Prep Date:	**10/7/2015**	Analysis Date:	**10/8/2015**	SeqNo:	**894615**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.020								
Barium	ND	0.020								
Cadmium	ND	0.0020								
Chromium	ND	0.0060								
Iron	ND	0.050								
Lead	ND	0.0050								
Selenium	ND	0.050								
Silver	ND	0.0050								

Sample ID	**LCS-21722**	SampType:	**LCS**	TestCode:	**EPA 6010B: Total Recoverable Metals**					
Client ID:	**LCSW**	Batch ID:	**21722**	RunNo:	**29410**					
Prep Date:	**10/7/2015**	Analysis Date:	**10/8/2015**	SeqNo:	**894616**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.50	0.020	0.5000	0	101	80	120			
Barium	0.48	0.020	0.5000	0	95.6	80	120			
Cadmium	0.49	0.0020	0.5000	0	97.4	80	120			
Chromium	0.49	0.0060	0.5000	0	97.6	80	120			
Iron	0.48	0.050	0.5000	0	95.7	80	120			
Lead	0.48	0.0050	0.5000	0	95.7	80	120			
Selenium	0.50	0.050	0.5000	0	99.8	80	120			
Silver	0.099	0.0050	0.1000	0	98.7	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1509C95**
21-Oct-15

Client: Animas Environmental Services
Project: BMG Landfarm

Sample ID	**MB-21590**	SampType:	**MBLK**	TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**PBW**	Batch ID:	**21590**	RunNo:	**29245**					
Prep Date:	**9/30/2015**	Analysis Date:	**10/2/2015**	SeqNo:	**888642**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	**LCS-21590**	SampType:	**LCS**	TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**LCSW**	Batch ID:	**21590**	RunNo:	**29245**					
Prep Date:	**9/30/2015**	Analysis Date:	**10/2/2015**	SeqNo:	**888643**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1020	20.0	1000	0	102	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1509C95 RcptNo: 1

Received by/date: LM 09/26/15

Logged By: Celina Sessa 9/26/2015 8:30:00 AM Celina Sessa

Completed By: Celina Sessa 9/28/2015 10:27:16 AM Celina Sessa

Reviewed By: 09/29/15

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☑
2. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☑ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☑
9. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
   FOR METALS ANALYSIS: ADDED 1ml TO-DATE FOR ACCEPTABLE pH. HELD IN COOLER FOR 24 HOURS AFTER PRESERVATION 09/29/15 BZS
10. VOA vials have zero headspace? Yes ☑ No ☐ No VOA Vials ☐
11. Were any sample containers received broken? Yes ☐ No ☑
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
14. Is it clear what analyses were requested? Yes ☑ No ☐
15. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: 2 (<2 or >12 unless noted)
Adjusted? YES
Checked by:

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: ____ Date ____
By Whom: ____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: ____
Client Instructions: ____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.3	Good	Yes			

Chain-of-Custody Record

Client:	**Animas Environmental Services**
Mailing Address:	**604 W. Pinon Street**
	Farmington, NM 87401
Phone #:	**505-564-2281**
email or Fax#:	shinds@animasenvironmental.com
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other_____
□ EDD (Type)	_____

Turn-Around Time:
X Standard □ Rush_____

Project Name: **BMG Landfarm**

Project #: **AES 040605**

Project Manager: **Stephanie Hinds**

Sampler: S. Hinds

On Ice: X Yes □ No

Sample Temperature: 1.4 -0.1 CF = 1.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1509C95	BTEX 8021	TPH (GRO/DRO/MRO) 8015	TDS SM2540C	Chlorides 300.0	RCRA 8 metals	Metals - Iron	pH				Air Bubbles (Y or N)
9/24/2015	13:28	H2O	MW-1	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-001	X	X	X	X							
9/24/2015	14:50	H2O	MW-2	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-002	X	X	X	X							
9/24/2015	11:15	H2O	MW-3	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-003	X	X	X	X							
9/24/2015	12:18	H2O	MW-4	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-004	X	X	X	X							
9/24/2015	15:45	H2O	Interstitial Well	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	~~3-HCl~~ $Na_2S_2O_3$ 2-Non	-005	X	X	X	X	X	X	X				
9/24/2015	16:00	H2O	Pond	(3) 40 mL glass (1) 250 mL amber glass (2) 500 mL plastic	3-HCl 2-Non 1-HNO3	-006	X	X	X	X	X	X	X				
		H2O	Trip Blank		Cold	-007	X										

Date: 9/25/15	Time: 1743	Relinquished by: Stephanie Hinds	Received by: Mustafa Walter	Date 9/25/15	Time 1743
Date: 9/25/15	Time: 1910	Relinquished by:	Received by:	Date 09/26/15	Time 0830

Remarks: Please preserve Interstitial Well for metals in lab.

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

December 21, 2015

Stephanie Hinds
Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 215-3688
FAX

RE: BMG Llaves Landfarm OrderNo.: 1512646

Dear Stephanie Hinds:

Hall Environmental Analysis Laboratory received 16 sample(s) on 12/12/2015 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 qualifers 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 #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1512646**
Date Reported: **12/21/2015**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #1 S-1
Project: BMG Llaves Landfarm
Collection Date: 12/9/2015 9:25:00 AM
Lab ID: 1512646-001 **Matrix:** SOIL **Received Date:** 12/12/2015 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/17/2015 3:51:12 PM	22794
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/17/2015 3:51:12 PM	22794
Surr: DNOP	75.8	70-130		%REC	1	12/17/2015 3:51:12 PM	22794
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/16/2015 8:37:15 PM	22811
Surr: BFB	80.9	66.2-112		%REC	1	12/16/2015 8:37:15 PM	22811
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	12/16/2015 8:37:15 PM	22811
Toluene	ND	0.047		mg/Kg	1	12/16/2015 8:37:15 PM	22811
Ethylbenzene	ND	0.047		mg/Kg	1	12/16/2015 8:37:15 PM	22811
Xylenes, Total	ND	0.095		mg/Kg	1	12/16/2015 8:37:15 PM	22811
Surr: 4-Bromofluorobenzene	102	80-120		%REC	1	12/16/2015 8:37:15 PM	22811

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #1 S-2
Project: BMG Llaves Landfarm
Collection Date: 12/9/2015 9:40:00 AM
Lab ID: 1512646-002
Matrix: SOIL
Received Date: 12/12/2015 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/18/2015 8:57:24 AM	22794
Motor Oil Range Organics (MRO)	ND	51		mg/Kg	1	12/18/2015 8:57:24 AM	22794
Surr: DNOP	88.7	70-130		%REC	1	12/18/2015 8:57:24 AM	22794
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/16/2015 9:01:44 PM	22811
Surr: BFB	84.2	66.2-112		%REC	1	12/16/2015 9:01:44 PM	22811
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	12/16/2015 9:01:44 PM	22811
Toluene	ND	0.047		mg/Kg	1	12/16/2015 9:01:44 PM	22811
Ethylbenzene	ND	0.047		mg/Kg	1	12/16/2015 9:01:44 PM	22811
Xylenes, Total	ND	0.095		mg/Kg	1	12/16/2015 9:01:44 PM	22811
Surr: 4-Bromofluorobenzene	108	80-120		%REC	1	12/16/2015 9:01:44 PM	22811

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #1 S-3
Project: BMG Llaves Landfarm
Collection Date: 12/9/2015 10:00:00 AM
Lab ID: 1512646-003 **Matrix:** SOIL **Received Date:** 12/12/2015 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/17/2015 5:17:45 PM	22794
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/17/2015 5:17:45 PM	22794
Surr: DNOP	86.5	70-130		%REC	1	12/17/2015 5:17:45 PM	22794
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/16/2015 9:26:06 PM	22811
Surr: BFB	91.1	66.2-112		%REC	1	12/16/2015 9:26:06 PM	22811
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.049		mg/Kg	1	12/16/2015 9:26:06 PM	22811
Toluene	ND	0.049		mg/Kg	1	12/16/2015 9:26:06 PM	22811
Ethylbenzene	ND	0.049		mg/Kg	1	12/16/2015 9:26:06 PM	22811
Xylenes, Total	ND	0.099		mg/Kg	1	12/16/2015 9:26:06 PM	22811
Surr: 4-Bromofluorobenzene	119	80-120		%REC	1	12/16/2015 9:26:06 PM	22811

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #1 S-4
Project: BMG Llaves Landfarm
Collection Date: 12/9/2015 10:25:00 AM
Lab ID: 1512646-004 **Matrix:** SOIL **Received Date:** 12/12/2015 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/17/2015 5:39:15 PM	22794
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/17/2015 5:39:15 PM	22794
Surr: DNOP	90.2	70-130		%REC	1	12/17/2015 5:39:15 PM	22794
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/16/2015 9:50:27 PM	22811
Surr: BFB	83.0	66.2-112		%REC	1	12/16/2015 9:50:27 PM	22811
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	12/16/2015 9:50:27 PM	22811
Toluene	ND	0.048		mg/Kg	1	12/16/2015 9:50:27 PM	22811
Ethylbenzene	ND	0.048		mg/Kg	1	12/16/2015 9:50:27 PM	22811
Xylenes, Total	ND	0.096		mg/Kg	1	12/16/2015 9:50:27 PM	22811
Surr: 4-Bromofluorobenzene	107	80-120		%REC	1	12/16/2015 9:50:27 PM	22811

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #2 S-1
Project: BMG Llaves Landfarm
Collection Date: 12/9/2015 10:45:00 AM
Lab ID: 1512646-005 **Matrix:** SOIL **Received Date:** 12/12/2015 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/17/2015 6:00:44 PM	22794
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/17/2015 6:00:44 PM	22794
Surr: DNOP	93.0	70-130		%REC	1	12/17/2015 6:00:44 PM	22794
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/16/2015 10:14:49 PM	22811
Surr: BFB	85.6	66.2-112		%REC	1	12/16/2015 10:14:49 PM	22811
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.050		mg/Kg	1	12/16/2015 10:14:49 PM	22811
Toluene	ND	0.050		mg/Kg	1	12/16/2015 10:14:49 PM	22811
Ethylbenzene	ND	0.050		mg/Kg	1	12/16/2015 10:14:49 PM	22811
Xylenes, Total	ND	0.099		mg/Kg	1	12/16/2015 10:14:49 PM	22811
Surr: 4-Bromofluorobenzene	109	80-120		%REC	1	12/16/2015 10:14:49 PM	22811

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #2 S-2
Project: BMG Llaves Landfarm
Collection Date: 12/9/2015 11:00:00 AM
Lab ID: 1512646-006 **Matrix:** SOIL **Received Date:** 12/12/2015 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/17/2015 6:22:03 PM	22794
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/17/2015 6:22:03 PM	22794
Surr: DNOP	92.9	70-130		%REC	1	12/17/2015 6:22:03 PM	22794
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/16/2015 10:39:07 PM	22811
Surr: BFB	81.4	66.2-112		%REC	1	12/16/2015 10:39:07 PM	22811
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.050		mg/Kg	1	12/16/2015 10:39:07 PM	22811
Toluene	ND	0.050		mg/Kg	1	12/16/2015 10:39:07 PM	22811
Ethylbenzene	ND	0.050		mg/Kg	1	12/16/2015 10:39:07 PM	22811
Xylenes, Total	ND	0.10		mg/Kg	1	12/16/2015 10:39:07 PM	22811
Surr: 4-Bromofluorobenzene	104	80-120		%REC	1	12/16/2015 10:39:07 PM	22811

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #2 S-3
Project: BMG Llaves Landfarm
Collection Date: 12/9/2015 11:20:00 AM
Lab ID: 1512646-007
Matrix: SOIL
Received Date: 12/12/2015 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/17/2015 7:04:43 PM	22794
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/17/2015 7:04:43 PM	22794
Surr: DNOP	94.0	70-130		%REC	1	12/17/2015 7:04:43 PM	22794
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/16/2015 11:03:28 PM	22811
Surr: BFB	84.4	66.2-112		%REC	1	12/16/2015 11:03:28 PM	22811
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.049		mg/Kg	1	12/16/2015 11:03:28 PM	22811
Toluene	ND	0.049		mg/Kg	1	12/16/2015 11:03:28 PM	22811
Ethylbenzene	ND	0.049		mg/Kg	1	12/16/2015 11:03:28 PM	22811
Xylenes, Total	ND	0.099		mg/Kg	1	12/16/2015 11:03:28 PM	22811
Surr: 4-Bromofluorobenzene	109	80-120		%REC	1	12/16/2015 11:03:28 PM	22811

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #2 S-4
Project: BMG Llaves Landfarm
Collection Date: 12/9/2015 11:30:00 AM
Lab ID: 1512646-008 **Matrix:** SOIL **Received Date:** 12/12/2015 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/17/2015 7:26:12 PM	22794
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/17/2015 7:26:12 PM	22794
Surr: DNOP	96.9	70-130		%REC	1	12/17/2015 7:26:12 PM	22794
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/16/2015 11:27:45 PM	22811
Surr: BFB	77.3	66.2-112		%REC	1	12/16/2015 11:27:45 PM	22811
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.049		mg/Kg	1	12/16/2015 11:27:45 PM	22811
Toluene	ND	0.049		mg/Kg	1	12/16/2015 11:27:45 PM	22811
Ethylbenzene	ND	0.049		mg/Kg	1	12/16/2015 11:27:45 PM	22811
Xylenes, Total	ND	0.097		mg/Kg	1	12/16/2015 11:27:45 PM	22811
Surr: 4-Bromofluorobenzene	96.7	80-120		%REC	1	12/16/2015 11:27:45 PM	22811

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #3 S-1
Project: BMG Llaves Landfarm
Collection Date: 12/9/2015 12:10:00 PM
Lab ID: 1512646-009 **Matrix:** SOIL **Received Date:** 12/12/2015 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/17/2015 7:47:31 PM	22794
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/17/2015 7:47:31 PM	22794
Surr: DNOP	102	70-130		%REC	1	12/17/2015 7:47:31 PM	22794
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/17/2015 1:05:18 AM	22811
Surr: BFB	87.1	66.2-112		%REC	1	12/17/2015 1:05:18 AM	22811
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	12/17/2015 1:05:18 AM	22811
Toluene	ND	0.047		mg/Kg	1	12/17/2015 1:05:18 AM	22811
Ethylbenzene	ND	0.047		mg/Kg	1	12/17/2015 1:05:18 AM	22811
Xylenes, Total	ND	0.094		mg/Kg	1	12/17/2015 1:05:18 AM	22811
Surr: 4-Bromofluorobenzene	113	80-120		%REC	1	12/17/2015 1:05:18 AM	22811

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #3 S-2
Project: BMG Llaves Landfarm
Collection Date: 12/9/2015 12:25:00 PM
Lab ID: 1512646-010 **Matrix:** SOIL **Received Date:** 12/12/2015 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/17/2015 8:09:00 PM	22794
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/17/2015 8:09:00 PM	22794
Surr: DNOP	94.8	70-130		%REC	1	12/17/2015 8:09:00 PM	22794
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/17/2015 1:29:34 AM	22811
Surr: BFB	88.2	66.2-112		%REC	1	12/17/2015 1:29:34 AM	22811
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	12/17/2015 1:29:34 AM	22811
Toluene	ND	0.048		mg/Kg	1	12/17/2015 1:29:34 AM	22811
Ethylbenzene	ND	0.048		mg/Kg	1	12/17/2015 1:29:34 AM	22811
Xylenes, Total	ND	0.096		mg/Kg	1	12/17/2015 1:29:34 AM	22811
Surr: 4-Bromofluorobenzene	116	80-120		%REC	1	12/17/2015 1:29:34 AM	22811

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #3 S-3
Project: BMG Llaves Landfarm
Collection Date: 12/9/2015 12:40:00 PM
Lab ID: 1512646-011 **Matrix:** SOIL **Received Date:** 12/12/2015 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/17/2015 8:30:11 PM	22794
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/17/2015 8:30:11 PM	22794
Surr: DNOP	92.1	70-130		%REC	1	12/17/2015 8:30:11 PM	22794
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/17/2015 1:53:47 AM	22811
Surr: BFB	87.1	66.2-112		%REC	1	12/17/2015 1:53:47 AM	22811
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	12/17/2015 1:53:47 AM	22811
Toluene	ND	0.047		mg/Kg	1	12/17/2015 1:53:47 AM	22811
Ethylbenzene	ND	0.047		mg/Kg	1	12/17/2015 1:53:47 AM	22811
Xylenes, Total	ND	0.094		mg/Kg	1	12/17/2015 1:53:47 AM	22811
Surr: 4-Bromofluorobenzene	113	80-120		%REC	1	12/17/2015 1:53:47 AM	22811

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #3 S-4
Project: BMG Llaves Landfarm
Collection Date: 12/9/2015 12:55:00 PM
Lab ID: 1512646-012
Matrix: SOIL
Received Date: 12/12/2015 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/17/2015 8:51:33 PM	22794
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/17/2015 8:51:33 PM	22794
Surr: DNOP	92.7	70-130		%REC	1	12/17/2015 8:51:33 PM	22794
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/17/2015 2:18:04 AM	22811
Surr: BFB	85.0	66.2-112		%REC	1	12/17/2015 2:18:04 AM	22811
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.046		mg/Kg	1	12/17/2015 2:18:04 AM	22811
Toluene	ND	0.046		mg/Kg	1	12/17/2015 2:18:04 AM	22811
Ethylbenzene	ND	0.046		mg/Kg	1	12/17/2015 2:18:04 AM	22811
Xylenes, Total	ND	0.092		mg/Kg	1	12/17/2015 2:18:04 AM	22811
Surr: 4-Bromofluorobenzene	110	80-120		%REC	1	12/17/2015 2:18:04 AM	22811

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #4 S-1
Project: BMG Llaves Landfarm
Collection Date: 12/9/2015 1:20:00 PM
Lab ID: 1512646-013 **Matrix:** SOIL **Received Date:** 12/12/2015 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/17/2015 9:12:43 PM	22794
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/17/2015 9:12:43 PM	22794
Surr: DNOP	97.2	70-130		%REC	1	12/17/2015 9:12:43 PM	22794
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/17/2015 2:42:21 AM	22811
Surr: BFB	83.0	66.2-112		%REC	1	12/17/2015 2:42:21 AM	22811
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	12/17/2015 2:42:21 AM	22811
Toluene	ND	0.047		mg/Kg	1	12/17/2015 2:42:21 AM	22811
Ethylbenzene	ND	0.047		mg/Kg	1	12/17/2015 2:42:21 AM	22811
Xylenes, Total	ND	0.093		mg/Kg	1	12/17/2015 2:42:21 AM	22811
Surr: 4-Bromofluorobenzene	105	80-120		%REC	1	12/17/2015 2:42:21 AM	22811

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #4 S-2
Project: BMG Llaves Landfarm
Collection Date: 12/9/2015 1:35:00 PM
Lab ID: 1512646-014 **Matrix:** SOIL **Received Date:** 12/12/2015 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/17/2015 9:33:59 PM	22794
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/17/2015 9:33:59 PM	22794
Surr: DNOP	98.2	70-130		%REC	1	12/17/2015 9:33:59 PM	22794
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/17/2015 3:06:36 AM	22811
Surr: BFB	83.4	66.2-112		%REC	1	12/17/2015 3:06:36 AM	22811
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	12/17/2015 3:06:36 AM	22811
Toluene	ND	0.047		mg/Kg	1	12/17/2015 3:06:36 AM	22811
Ethylbenzene	ND	0.047		mg/Kg	1	12/17/2015 3:06:36 AM	22811
Xylenes, Total	ND	0.094		mg/Kg	1	12/17/2015 3:06:36 AM	22811
Surr: 4-Bromofluorobenzene	107	80-120		%REC	1	12/17/2015 3:06:36 AM	22811

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #4 S-3
Project: BMG Llaves Landfarm
Collection Date: 12/9/2015 1:50:00 PM
Lab ID: 1512646-015 **Matrix:** SOIL **Received Date:** 12/12/2015 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/17/2015 9:55:07 PM	22794
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/17/2015 9:55:07 PM	22794
Surr: DNOP	96.9	70-130		%REC	1	12/17/2015 9:55:07 PM	22794
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/17/2015 3:30:51 AM	22811
Surr: BFB	81.7	66.2-112		%REC	1	12/17/2015 3:30:51 AM	22811
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	12/17/2015 3:30:51 AM	22811
Toluene	ND	0.047		mg/Kg	1	12/17/2015 3:30:51 AM	22811
Ethylbenzene	ND	0.047		mg/Kg	1	12/17/2015 3:30:51 AM	22811
Xylenes, Total	ND	0.093		mg/Kg	1	12/17/2015 3:30:51 AM	22811
Surr: 4-Bromofluorobenzene	103	80-120		%REC	1	12/17/2015 3:30:51 AM	22811

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #4 S-4
Project: BMG Llaves Landfarm
Collection Date: 12/9/2015 2:05:00 PM
Lab ID: 1512646-016 **Matrix:** SOIL **Received Date:** 12/12/2015 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/17/2015 10:16:24 PM	22794
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/17/2015 10:16:24 PM	22794
Surr: DNOP	100	70-130		%REC	1	12/17/2015 10:16:24 PM	22794
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/17/2015 3:55:09 AM	22811
Surr: BFB	83.0	66.2-112		%REC	1	12/17/2015 3:55:09 AM	22811
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.049		mg/Kg	1	12/17/2015 3:55:09 AM	22811
Toluene	ND	0.049		mg/Kg	1	12/17/2015 3:55:09 AM	22811
Ethylbenzene	ND	0.049		mg/Kg	1	12/17/2015 3:55:09 AM	22811
Xylenes, Total	ND	0.098		mg/Kg	1	12/17/2015 3:55:09 AM	22811
Surr: 4-Bromofluorobenzene	105	80-120		%REC	1	12/17/2015 3:55:09 AM	22811

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1512646**

21-Dec-15

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**MB-22794**	SampType:	**MBLK**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**PBS**	Batch ID:	**22794**		RunNo:	**30909**				
Prep Date:	**12/14/2015**	Analysis Date:	**12/17/2015**		SeqNo:	**945045**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.2		10.00		71.5	70	130			

Sample ID	**LCS-22794**	SampType:	**LCS**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**LCSS**	Batch ID:	**22794**		RunNo:	**30908**				
Prep Date:	**12/14/2015**	Analysis Date:	**12/17/2015**		SeqNo:	**945328**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	89.8	65.8	136			
Surr: DNOP	4.5		5.000		89.1	70	130			

Sample ID	**1512646-001AMS**	SampType:	**MS**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**VZ Cell #1 S-1**	Batch ID:	**22794**		RunNo:	**30908**				
Prep Date:	**12/14/2015**	Analysis Date:	**12/17/2015**		SeqNo:	**945889**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	9.9	49.65	0	94.3	31.2	162			
Surr: DNOP	3.7		4.965		74.0	70	130			

Sample ID	**1512646-001AMSD**	SampType:	**MSD**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**VZ Cell #1 S-1**	Batch ID:	**22794**		RunNo:	**30908**				
Prep Date:	**12/14/2015**	Analysis Date:	**12/17/2015**		SeqNo:	**945890**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	9.9	49.55	0	99.8	31.2	162	5.48	31.7	
Surr: DNOP	4.0		4.955		81.4	70	130	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- B Analyte detected in the associated Method Blank
- D Sample Diluted Due to Matrix
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- R RPD outside accepted recovery limits
- RL Reporting Detection Limit
- S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1512646**

21-Dec-15

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**MB-22811**	SampType:	**MBLK**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**PBS**	Batch ID:	**22811**		RunNo:	**30888**				
Prep Date:	**12/15/2015**	Analysis Date:	**12/16/2015**		SeqNo:	**944120**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	830		1000		82.7	66.2	112			

Sample ID	**LCS-22811**	SampType:	**LCS**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**LCSS**	Batch ID:	**22811**		RunNo:	**30888**				
Prep Date:	**12/15/2015**	Analysis Date:	**12/16/2015**		SeqNo:	**944121**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	92.6	79.6	122			
Surr: BFB	1000		1000		101	66.2	112			

Sample ID	**1512646-002AMS**	SampType:	**MS**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**VZ Cell #1 S-2**	Batch ID:	**22811**		RunNo:	**30888**				
Prep Date:	**12/15/2015**	Analysis Date:	**12/16/2015**		SeqNo:	**944124**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.7	23.67	0	97.3	62.5	151			
Surr: BFB	900		947.0		95.5	66.2	112			

Sample ID	**1512646-002AMSD**	SampType:	**MSD**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**VZ Cell #1 S-2**	Batch ID:	**22811**		RunNo:	**30888**				
Prep Date:	**12/15/2015**	Analysis Date:	**12/16/2015**		SeqNo:	**944125**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.7	23.70	0	106	62.5	151	8.60	22.1	
Surr: BFB	960		947.9		101	66.2	112	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1512646**

21-Dec-15

Client: Animas Environmental Services

Project: BMG Llaves Landfarm

Sample ID	**MB-22811**	SampType:	**MBLK**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**PBS**	Batch ID:	**22811**	RunNo:	**30888**					
Prep Date:	**12/15/2015**	Analysis Date:	**12/16/2015**	SeqNo:	**944175**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			

Sample ID	**LCS-22811**	SampType:	**LCS**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**LCSS**	Batch ID:	**22811**	RunNo:	**30888**					
Prep Date:	**12/15/2015**	Analysis Date:	**12/16/2015**	SeqNo:	**944176**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.050	1.000	0	91.9	80	120			
Toluene	0.95	0.050	1.000	0	95.1	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.2	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.5	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		119	80	120			

Sample ID	**1512646-001AMS**	SampType:	**MS**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**VZ Cell #1 S-1**	Batch ID:	**22811**	RunNo:	**30888**					
Prep Date:	**12/15/2015**	Analysis Date:	**12/16/2015**	SeqNo:	**944178**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.047	0.9488	0	111	69.6	136			
Toluene	1.1	0.047	0.9488	0	116	76.2	134			
Ethylbenzene	1.1	0.047	0.9488	0	120	75.8	137			
Xylenes, Total	3.2	0.095	2.846	0.01850	112	78.9	133			
Surr: 4-Bromofluorobenzene	1.1		0.9488		118	80	120			

Sample ID	**1512646-001AMSD**	SampType:	**MSD**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**VZ Cell #1 S-1**	Batch ID:	**22811**	RunNo:	**30888**					
Prep Date:	**12/15/2015**	Analysis Date:	**12/16/2015**	SeqNo:	**944179**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.047	0.9470	0	98.9	69.6	136	11.8	20	
Toluene	0.99	0.047	0.9470	0	105	76.2	134	10.0	20	
Ethylbenzene	1.0	0.047	0.9470	0	108	75.8	137	10.1	20	
Xylenes, Total	2.9	0.095	2.841	0.01850	102	78.9	133	9.06	20	
Surr: 4-Bromofluorobenzene	1.2		0.9470		125	80	120	0	0	S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental | Work Order Number: 1512646 | RcptNo: 1

Received by/date: LM 12/12/15

Logged By: Joe Archuleta 12/12/2015 9:00:00 AM JA

Completed By: Joe Archuleta 12/14/2015 1:39:25 PM JA

Reviewed By: JA 12/15/15

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.4	Good	Not Present			

Chain-of-Custody Record

Client:	**Animas Environmental Services**
Mailing Address:	**604 W. Pinon Street**
	Farmington, NM 87401
Phone #:	**505-564-2281**
email or Fax#:	shinds@animasenvironmental.com
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other_____
□ EDD (Type) _____	

Turn-Around Time:	
X Standard	□ Rush_____
Project Name:	**BMG Landfarm**
Project #:	**AES 040605**
Project Manager:	**Stephanie Hinds**
Sampler: SH	
On Ice:	X Yes □ No
Sample Temperature:	1.4

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1512646	BTEX 8021	TPH 8015	Air Bubbles (Y or N)
12/9/2015	9:25	Soil	VZ Cell #1 S-1	1-4 oz	Cool	-001	X	X	
12/9/2015	9:40	Soil	VZ Cell #1 S-2	1-4 oz	Cool	-002	X	X	
12/9/2015	10:00	Soil	VZ Cell #1 S-3	1-4 oz	Cool	-003	X	X	
12/9/2015	10:25	Soil	VZ Cell #1 S-4	1-4 oz	Cool	-004	X	X	
12/9/2015	10:45	Soil	VZ Cell #2 S-1	1-4 oz	Cool	-005	X	X	
12/9/2015	11:00	Soil	VZ Cell #2 S-2	1-4 oz	Cool	-006	X	X	
12/9/2015	11:20	Soil	VZ Cell #2 S-3	1-4 oz	Cool	-007	X	X	
12/9/2015	11:30	Soil	VZ Cell #2 S-4	1-4 oz	Cool	-008	X	X	

Received By: 12/12/15 0900

Chain-of-Custody Record

Client:	Animas Environmental Services
Mailing Address:	604 W. Pinon Street Farmington, NM 87401
Phone #:	505-564-2281
email or Fax#:	shinds@animasenvironmental.com
QA/QC Package:	X Standard ☐ Level 4 (Full Validation)
Accreditation:	☐ NELAP ☐ Other ☐ EDD (Type)

Turn-Around Time: X Standard ☐ Rush

Project Name: BMG Landfarm

Project #: AES 040605

Project Manager: Stephanie Hinds

Sampler: SH

On Ice: X Yes ☐ No

Sample Temperature: 1.4

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1512 646	BTEX 8021	TPH 8015	Air Bubbles (Y or N)
12/9/2015	12:10	Soil	VZ Cell #3 S-1	1-4 oz	Cool	-009	X	X	
12/9/2015	12:25	Soil	VZ Cell #3 S-2	1-4 oz	Cool	-010	X	X	
12/9/2015	12:40	Soil	VZ Cell #3 S-3	1-4 oz	Cool	-011	X	X	
12/9/2015	12:55	Soil	VZ Cell #3 S-4	1-4 oz	Cool	-012	X	X	
12/9/2015	13:20	Soil	VZ Cell #4 S-1	1-4 oz	Cool	-013	X	X	
12/9/2015	13:35	Soil	VZ Cell #4 S-2	1-4 oz	Cool	-014	X	X	
12/9/2015	13:50	Soil	VZ Cell #4 S-3	1-4 oz	Cool	-015	X	X	
12/9/2015	14:05	Soil	VZ Cell #4 S-4	1-4 oz	Cool	-016	X	X	

Date: 12/11/15	Time: 1633	Relinquished by: Stephanie Hinds	Received by: Mat Weeks	Date Time 12/11/15 1633
Date: 12/11/15	Time: 1718	Relinquished by: Mat Weeks	Received by:	Date Time 12/12/15 0900

Remarks: Call if questions.

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

January 07, 2016

Stephanie Hinds

Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 215-3688
FAX

RE: BMG Landfarm OrderNo.: 1512581

Dear Stephanie Hinds:

Hall Environmental Analysis Laboratory received 5 sample(s) on 12/11/2015 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 qualifers 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 #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1512581**
Date Reported: **1/7/2016**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-1
Project: BMG Landfarm
Collection Date: 12/10/2015 11:22:00 AM
Lab ID: 1512581-001
Matrix: AQUEOUS
Received Date: 12/11/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	43	10		mg/L	20	1/4/2016 4:45:22 PM	R31227
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	627	20.0	*	mg/L	1	12/18/2015 1:42:00 PM	22849
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/16/2015 11:42:48 AM	22766
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/16/2015 11:42:48 AM	22766
Surr: DNOP	87.7	72-136		%REC	1	12/16/2015 11:42:48 AM	22766
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/14/2015 11:38:34 PM	A30824
Surr: BFB	91.9	49.5-130		%REC	1	12/14/2015 11:38:34 PM	A30824
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	12/14/2015 11:38:34 PM	B30824
Toluene	ND	1.0		µg/L	1	12/14/2015 11:38:34 PM	B30824
Ethylbenzene	ND	1.0		µg/L	1	12/14/2015 11:38:34 PM	B30824
Xylenes, Total	ND	2.0		µg/L	1	12/14/2015 11:38:34 PM	B30824
Surr: 4-Bromofluorobenzene	117	65-127		%REC	1	12/14/2015 11:38:34 PM	B30824

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-2
Project: BMG Landfarm
Collection Date: 12/10/2015 12:42:00 PM
Lab ID: 1512581-002
Matrix: AQUEOUS
Received Date: 12/11/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	170	10		mg/L	20	1/4/2016 5:22:37 PM	R31227
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	902	40.0	*D	mg/L	1	12/18/2015 1:42:00 PM	22849
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/16/2015 12:04:09 PM	22766
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/16/2015 12:04:09 PM	22766
Surr: DNOP	89.9	72-136		%REC	1	12/16/2015 12:04:09 PM	22766
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/15/2015 12:02:58 AM	A30824
Surr: BFB	95.3	49.5-130		%REC	1	12/15/2015 12:02:58 AM	A30824
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	12/15/2015 12:02:58 AM	B30824
Toluene	ND	1.0		µg/L	1	12/15/2015 12:02:58 AM	B30824
Ethylbenzene	ND	1.0		µg/L	1	12/15/2015 12:02:58 AM	B30824
Xylenes, Total	ND	2.0		µg/L	1	12/15/2015 12:02:58 AM	B30824
Surr: 4-Bromofluorobenzene	121	65-127		%REC	1	12/15/2015 12:02:58 AM	B30824

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-3
Project: BMG Landfarm
Collection Date: 12/10/2015 10:00:00 AM
Lab ID: 1512581-003 **Matrix:** AQUEOUS **Received Date:** 12/11/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	22	10		mg/L	20	1/4/2016 5:47:25 PM	R31227
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	540	40.0	*D	mg/L	1	12/18/2015 1:42:00 PM	22849
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/16/2015 12:25:41 PM	22766
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/16/2015 12:25:41 PM	22766
Surr: DNOP	92.0	72-136		%REC	1	12/16/2015 12:25:41 PM	22766
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/15/2015 12:27:25 AM	A30824
Surr: BFB	93.0	49.5-130		%REC	1	12/15/2015 12:27:25 AM	A30824
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	12/15/2015 12:27:25 AM	B30824
Toluene	ND	1.0		µg/L	1	12/15/2015 12:27:25 AM	B30824
Ethylbenzene	ND	1.0		µg/L	1	12/15/2015 12:27:25 AM	B30824
Xylenes, Total	ND	2.0		µg/L	1	12/15/2015 12:27:25 AM	B30824
Surr: 4-Bromofluorobenzene	118	65-127		%REC	1	12/15/2015 12:27:25 AM	B30824

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-4
Project: BMG Landfarm
Collection Date: 12/10/2015 10:45:00 AM
Lab ID: 1512581-004
Matrix: AQUEOUS
Received Date: 12/11/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	250	10	*	mg/L	20	1/5/2016 5:46:06 PM	R31257
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	782	40.0	*D	mg/L	1	12/18/2015 1:42:00 PM	22849
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/16/2015 12:47:08 PM	22766
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/16/2015 12:47:08 PM	22766
Surr: DNOP	87.9	72-136		%REC	1	12/16/2015 12:47:08 PM	22766
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/15/2015 12:51:43 AM	A30824
Surr: BFB	92.2	49.5-130		%REC	1	12/15/2015 12:51:43 AM	A30824
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	12/15/2015 12:51:43 AM	B30824
Toluene	ND	1.0		µg/L	1	12/15/2015 12:51:43 AM	B30824
Ethylbenzene	ND	1.0		µg/L	1	12/15/2015 12:51:43 AM	B30824
Xylenes, Total	ND	2.0		µg/L	1	12/15/2015 12:51:43 AM	B30824
Surr: 4-Bromofluorobenzene	116	65-127		%REC	1	12/15/2015 12:51:43 AM	B30824

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Trip Blank
Project: BMG Landfarm
Collection Date:
Lab ID: 1512581-005
Matrix: TRIP BLANK
Received Date: 12/11/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	12/15/2015 1:16:11 AM	B30824
Toluene	ND	1.0		µg/L	1	12/15/2015 1:16:11 AM	B30824
Ethylbenzene	ND	1.0		µg/L	1	12/15/2015 1:16:11 AM	B30824
Xylenes, Total	ND	2.0		µg/L	1	12/15/2015 1:16:11 AM	B30824
Surr: 4-Bromofluorobenzene	122	65-127		%REC	1	12/15/2015 1:16:11 AM	B30824

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1512581**

07-Jan-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R31227**	RunNo:	**31227**					
Prep Date:		Analysis Date:	**1/4/2016**	SeqNo:	**956155**	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:	**R31227**	RunNo:	**31227**					
Prep Date:		Analysis Date:	**1/4/2016**	SeqNo:	**956156**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.7	0.50	5.000	0	93.6	90	110			

Sample ID	**MB**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R31257**	RunNo:	**31257**					
Prep Date:		Analysis Date:	**1/5/2016**	SeqNo:	**957244**	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:	**R31257**	RunNo:	**31257**					
Prep Date:		Analysis Date:	**1/5/2016**	SeqNo:	**957245**	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	96.2	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1512581**

07-Jan-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **MB-22766**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **PBW**	Batch ID: **22766**	RunNo: **30869**
Prep Date: **12/14/2015**	Analysis Date: **12/16/2015**	SeqNo: **943487** 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	0.84		1.000		83.9	72	136			

Sample ID **LCS-22766**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **LCSW**	Batch ID: **22766**	RunNo: **30869**
Prep Date: **12/14/2015**	Analysis Date: **12/16/2015**	SeqNo: **943488** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	4.7	1.0	5.000	0	94.4	52.4	154			
Surr: DNOP	0.40		0.5000		80.4	72	136			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1512581**

07-Jan-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**5ML RB**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**PBW**	Batch ID:	**A30824**	RunNo:	**30824**					
Prep Date:		Analysis Date:	**12/14/2015**	SeqNo:	**941912**	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	19		20.00		95.3	49.5	130			

Sample ID	**2.5UG GRO LCSB**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSW**	Batch ID:	**A30824**	RunNo:	**30824**					
Prep Date:		Analysis Date:	**12/14/2015**	SeqNo:	**941913**	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	93.4	80	120			
Surr: BFB	22		20.00		108	49.5	130			

Sample ID	**2.5UG GRO LCSD**	SampType:	**LCSD**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSS02**	Batch ID:	**A30824**	RunNo:	**30824**					
Prep Date:		Analysis Date:	**12/14/2015**	SeqNo:	**941916**	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	93.0	80	120	0.343	20	
Surr: BFB	22		20.00		112	49.5	130	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- B Analyte detected in the associated Method Blank
- D Sample Diluted Due to Matrix
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- R RPD outside accepted recovery limits
- RL Reporting Detection Limit
- S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1512581**

07-Jan-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**5ML RB**	SampType:	**MBLK**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**PBW**	Batch ID:	**B30824**	RunNo:	**30824**					
Prep Date:		Analysis Date:	**12/14/2015**	SeqNo:	**941933**	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	24		20.00		122	65	127			

Sample ID	**100NG BTEX LCS**	SampType:	**LCS**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**LCSW**	Batch ID:	**B30824**	RunNo:	**30824**					
Prep Date:		Analysis Date:	**12/14/2015**	SeqNo:	**941934**	Units:	**µg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	97.5	80	120			
Toluene	19	1.0	20.00	0	95.7	80	120			
Ethylbenzene	19	1.0	20.00	0	96.7	80	120			
Xylenes, Total	57	2.0	60.00	0	94.9	80	120			
Surr: 4-Bromofluorobenzene	28		20.00		141	65	127			S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1512581**

07-Jan-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-22849**	SampType:	**MBLK**		TestCode:	**SM2540C MOD: Total Dissolved Solids**				
Client ID:	**PBW**	Batch ID:	**22849**		RunNo:	**30948**				
Prep Date:	**12/17/2015**	Analysis Date:	**12/18/2015**		SeqNo:	**946586**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	**LCS-22849**	SampType:	**LCS**		TestCode:	**SM2540C MOD: Total Dissolved Solids**				
Client ID:	**LCSW**	Batch ID:	**22849**		RunNo:	**30948**				
Prep Date:	**12/17/2015**	Analysis Date:	**12/18/2015**		SeqNo:	**946587**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1000	20.0	1000	0	100	80	120			

Sample ID	**1512581-002CMS**	SampType:	**MS**		TestCode:	**SM2540C MOD: Total Dissolved Solids**				
Client ID:	**MW-2**	Batch ID:	**22849**		RunNo:	**30948**				
Prep Date:	**12/17/2015**	Analysis Date:	**12/18/2015**		SeqNo:	**946593**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	2910	40.0	2000	902.0	101	80	120			D

Sample ID	**1512581-002CMSD**	SampType:	**MSD**		TestCode:	**SM2540C MOD: Total Dissolved Solids**				
Client ID:	**MW-2**	Batch ID:	**22849**		RunNo:	**30948**				
Prep Date:	**12/17/2015**	Analysis Date:	**12/18/2015**		SeqNo:	**946594**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	2920	40.0	2000	902.0	101	80	120	0.274	5	D

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1512581** RcptNo: **1**

Received by/date: AA 12/11/15

Logged By: **Lindsay Mangin** **12/11/2015 7:00:00 AM**

Completed By: **Lindsay Mangin** **12/11/2015 1:05:25 PM**

Reviewed By: 12/12/15

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
11. Were any sample containers received broken?	Yes ☐	No ☑	# of preserved bottles checked for pH: (<2 or >12 unless noted)
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by:

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.5	Good	Yes			

Chain-of-Custody Record

Client: **Animas Environmental Services**

Mailing Address: **604 W. Pinon Street**
Farmington, NM 87401

Phone #: **505-564-2281**

email or Fax#: shinds@animasenvironmental.com

QA/QC Package:
X Standard □ Level 4 (Full Validation)

Accreditation:
□ NELAP □ Other_____

□ EDD (Type) _____

Turn-Around Time:
X Standard □ Rush_____

Project Name: **BMG Landfarm**

Project #: **AES 040605**

Project Manager: **Stephanie Hinds**

Sampler: S. Hinds

On Ice: X Yes □ No

Sample Temperature: 1.5

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1512581	BTEX 8021	TPH (GRO/DRO/MRO) 8015	TDS SM2540C	Chlorides 300.0							Air Bubbles (Y or N)
12/10/2015	11:22	H2O	MW-1	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-001	X	X	X	X							
12/10/2015	12:42	H2O	MW-2	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-002	X	X	X	X							
12/10/2015	10:00	H2O	MW-3	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-003	X	X	X	X							
12/10/2015	10:45	H2O	MW-4	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-004	X	X	X	X							
		H2O	Trip Blank		Cold	-005	X										

Date	Time	Relinquished by:	Received by:	Date	Time
12/10/15	1749	Stephanie Hinds	Misty Walts	12/10/15	1749
12/10/15	1846	Misty Walts	[illegible]	12/11/15	0700

Remarks:

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.

DEPTH TO GROUNDWATER MEASUREMENT FORM

Animas Environmental Services
624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project: Groundwater Monitoring
Site: BMG
Location: Evaporation Pond
Tech: S. Glasses

Project No.:
Date: 03/04/16
Time: 0915
Form: 1 of 1

Well I.D.	Time	Depth to NAPL (ft.)	Depth to Water (ft.)	NAPL Thickness (ft.)	Notes / Observations
MW-1	1056	—	39.36	—	
MW-2	1148	—	40.53	—	
MW-3	0948	—	39.82	—	
MW-4	1007	—	40.24	—	

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

604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm / Evaporation Pond
Location:
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Glasses
Purge / No Purge: Purge
Well Diameter (in): 2"
Initial D.T.W. (ft): 39.36 **Time:** 1055 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 39.36 **Time:** 1056 *(taken prior to purging well)*
Final D.T.W. (ft): 45.17 **Time:** 1133 *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.:
Date: 3-4-16
Arrival Time: 1050
Air Temp: 52°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.61

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1104	12.61	1.193	4.12	7.20	203.3	initial	Clear H2O, No odor
1108	12.19	0.023	4.18	7.09	188.1	0.5 gal	Cloudy H2O, Brown No odor
1130						~~1.0 gal~~ →	Sample Collected
							Due to low yield

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: On ground
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Very limited water recovery. Low yield @ 0.5 gal
1110 - 1115 : Stand by for water recharge

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-2

Animas Environmental Services

604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2"

Project No.:
Date: 1140
Arrival Time: 3-4-14
Air Temp: 55°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.56

Initial D.T.W. (ft): 40.53 **Time:** 1147 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.53 **Time:** 1148 *(taken prior to purging well)*
Final D.T.W. (ft): 44.20 **Time:** 1210 *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1155	12.40	1.765	6.98	7.33	184.1	initial	Clear H2O, No odor
1159	11.78	1.768	6.95	7.28	181.9	.5	Cloudy, Beige, No odor
1203	12.02	1.751	6.41	7.31	176.3	.75 gal	Cloudy Beige, Sediment No odor
							↑ low yield
1209							Sample Collected

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: On ground
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Very low yield from MW-2.

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-3

Animas Environmental Services

604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Land Farm / Evaporation Pond
Location:
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Glasses
Purge / No Purge: Purge
Well Diameter (in): 2"

Project No.:
Date: 3-4-16
Arrival Time: 0910
Air Temp: 37°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.61

Initial D.T.W. (ft): 39.82 **Time:** 0917 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 39.82 **Time:** 0918 *(taken prior to purging well)*
Final D.T.W. (ft): 43.52 **Time:** 0954 *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
0927	12.52	0.911	4.19	7.07	183.4	initial	Cloudy, Grays/Brown No odor
0931	12.04	0.907	4.81	7.05	173.6	.5 gal	Cloudy Brown, Coarse Sediment, No Odor
0946	11.88	0.901	5.71	7.26	164.0	1.0 gal	Cloudy, some Sediment No Odor
0950	→	→	→	→	→	→	Sample Collected

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: On ground
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: 0931 - 0941: Low yeild, Stand by time for water recharge. Well drying out → Avoiding Depression Cone @ bottom of well.

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-4

Animas Environmental Services

604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm / Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Glasses
Purge / No Purge: Purge
Well Diameter (in): 2"
Initial D.T.W. (ft): 40.24 **Time:** 1006 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.24 **Time:** 1007 *(taken prior to purging well)*
Final D.T.W. (ft): 44.94 **Time:** 1036 *(taken after sample collection)*
If NAPL Present: D.T.P.:_____ D.T.W.:_____ Thickness:_____ Time:_____

Project No.:
Date:
Arrival Time: 1000
Air Temp: 38°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.64

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1014	12.06	1.277	5.41	7.12	180.9	initial	Clear H2O, No odor
1018	12.06	1.290	5.46	7.14	170.8	0.5 gal	Cloudy H2O, Sediment No odor
1022	11.93	1.282	4.33	7.26	165.6	1.0 gal	Cloudy H2O, Gray No odor
1026	11.99	1.279	6.52	7.28	162.8	1.5 gal	Cloudy H2O, Brown No odor
1040							Sample Collected
							Due to low Yield

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: 1026 - 1036 : Low Yield, Standby for Recharge

45.64 - 40.24 = 5.40 Low Yield, Sample

5.40 X 0.1632 = 0.88128

0.88128 X 3 = 2.64384

2.5 gal

Revised: 08/10/09

Date: 3/7/2016

BMG Landfarm Sampling - Treatment Zone (TZ)

Cell #	1
Sample ID:	TZ CS-1
GPS:	36.38887, -106.86573 / 36.38913, -106.86639
(4 locations)	36.38932, -106.86704 / 36.38977, -106.86759
Time of sample:	0936
Sample depth:	6" below ground surface
Soil characteristics: (odor, color, texture)	Brown Sand, Fine Grain, No odor

Cell #	2
Sample ID:	TZ CS-2
GPS:	36.39005, -106.86702 / 36.39028, -106.86640
(4 locations)	36.38989, -106.86622 /, 36.38964, -106.86556
Time of sample:	0952
Sample depth:	6" below ground surface
Soil characteristics: (odor, color, texture)	Brown/Red, Fine Grain Sand, No odor

Cell #	3
Sample ID:	TZ CS-1
GPS:	36.38931, -106.86549 / 36.38894, -106.86481
(4 locations)	36.38915, -106.86440 / 36.38950, -106.86403
Time of sample:	1010
Sample depth:	6" below ground surface
Soil characteristics: (odor, color, texture)	Red/Brown, Clayey Sand/ Fine Grain, No odor

Cell #	4
Sample ID:	cell #4 TZ CS-1
GPS:	36.38939, -106.86336 / 36.38906, -106.86307
(4 locations)	36.38912, -106.86256 / 36.38889, -106.86217
Time of sample:	1025
Sample depth:	6" below ground surface
Soil characteristics: (odor, color, texture)	Brown/Grey, Clayey Sand, No odor

BMG Landfarm Sampling - Vadose Zone (VZ)

Date:

Cell #	1
Sample ID: (S-1 through S-4)	Cell#1 VZ S-1
GPS:	36.38892, -106.865888
Time of sample:	1140
Shovel depth:	10" below ground surface, Brown/Gray, Clayey Sand, Slight Hydrocarbon odor
Auger depth (2.5' total depth):	No odor, Brown, Clayey Sand
Soil characteristics: (odor, color, texture)	

Cell #	1
Sample ID: (S-1 through S-4)	Cell #1 VZ S-2
GPS:	36.38923, -106.86644
Time of sample:	1200
Shovel depth:	10" below ground surface, Brown, Fine Grain Sand, No Odor
Auger depth (2.5' total depth):	Clayey Sand/Fine Grain, Brown/Red, No odor
Soil characteristics: (odor, color, texture)	1.7'

Cell #	1
Sample ID: (S-1 through S-4)	Cell #1 VZ S-3
GPS:	36.38934, -106.86709
Time of sample:	1223
Shovel depth:	1' below ground surface
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Clayey Sand, Brown, No odor

Cell #	1
Sample ID: (S-1 through S-4)	Cell #1 VZ S-4
GPS:	36.38978, -106.86768
Time of sample:	1236
Shovel depth:	~~1'~~ 1' → Brown, fine Grain, ~~SH~~ No odor
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Tan, Fine Grain Sand, No odor

BMG Landfarm Sampling - Vadose Zone (VZ)

Date:

Cell #	2
Sample ID: (S-1 through S-4)	Cell #2 VZ S-1
GPS:	36.39020, -106.86691
Time of sample:	1247
Shovel depth:	1' → @.5' Brown, Fine Grain, No odor / @ 1.0' Red, Clayey Sandy, No odor
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Tan, Fine Grain, No odor

Cell #	2
Sample ID: (S-1 through S-4)	Cell #2 VZ S-2
GPS:	36.38989, -106.86660
Time of sample:	1257
Shovel depth:	1' → Brown/Red, Clayey Sand / Fine Grain, No odor
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Tan, Fine Grain Sand, No odor

Cell #	2
Sample ID: (S-1 through S-4)	Cell #2 VZ S-3
GPS:	36.39011, -106.86597
Time of sample:	1307
Shovel depth:	1' → .5' Fine Grain, Brown, No odor / .5' Gray, Clayey Sand, no odor
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Tan, Fine Grain Sand, No odor

Cell #	2
Sample ID: (S-1 through S-4)	Cell #2 VZ S-4
GPS:	36.38963, -106.86562
Time of sample:	1320
Shovel depth:	1' Brown/Gray, Fine Grain Sand, No odor
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	

BMG Landfarm Sampling - Vadose Zone (VZ)

Date:

Cell #	3
Sample ID: (S-1 through S-4)	Cell #3 VZ S-1
GPS:	36.38921, -106.86513
Time of sample:	1332
Shovel depth:	1' Brown, Fine Grain Sand, No odor
Auger depth (2.5' total depth):	1.5' Tan Yellow, Fine Grain Sand, No odor
Soil characteristics: (odor, color, texture)	

Cell #	3
Sample ID: (S-1 through S-4)	Cell #3 VZ S-2
GPS:	36.38889, -106.86435
Time of sample:	1342
Shovel depth:	1' → Tan Brown, Fine Grain Sand, No odor
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Dark Brown, Clay Sand, no odor

Cell #	3
Sample ID: (S-1 through S-4)	Cell #3 VZ S-3
GPS:	36.38927, -106.86430
Time of sample:	1353
Shovel depth:	1' → @ 7" Dark Brown, Fine Grain, No odor / @ 1' Red, Fine Grain, No odor
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Dark Brown, Clayey Sand, no odor

Cell #	3
Sample ID: (S-1 through S-4)	Cell #3 VZ S-4
GPS:	36.38954, -106.86381
Time of sample:	1407
Shovel depth:	1' Dark Brown, Clayey Sand, Mild odor → Hydrocarbon
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Brown, Clayey, No odor

BMG Landfarm Sampling - Vadose Zone (VZ)

Date:

Cell #	4
Sample ID: (S-1 through S-4)	Cell #4 VZ S-1
GPS:	36.38925, -106.86346
Time of sample:	1425
Shovel depth:	1' Dark Brown, Clayey Sand, Organic Manure Odor
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Brown, Clayey Sand, No odor

Cell #	4
Sample ID: (S-1 through S-4)	Cell #4 VZ S-2
GPS:	36.38918, -106.86295
Time of sample:	1438
Shovel depth:	15" Clayey Sand, Dark Brown, No odor
Auger depth (2.5' total depth):	15"
Soil characteristics: (odor, color, texture)	Brown, Clayey, No odor

Cell #	4
Sample ID: (S-1 through S-4)	Cell #4 VZ S-3
GPS:	36.38918, -106.86256
Time of sample:	1450
Shovel depth:	10" Brown, Clayey Sand, No odor
Auger depth (2.5' total depth):	1.7' Brown / Red, Clayey / Fine Grain Sand, No Odor
Soil characteristics: (odor, color, texture)	

Cell #	4
Sample ID: (S-1 through S-4)	Cell #4 VZ S-4
GPS:	36.38883, -106.86225
Time of sample:	1502
Shovel depth:	10" Brown, Fine Grain Sand, No Odor
Auger depth (2.5' total depth):	1.7"
Soil characteristics: (odor, color, texture)	Brown, Moist, Fine Grain / Clayey Sand, No odor

DEPTH TO GROUNDWATER MEASUREMENT FORM

Animas Environmental Services
604 W. Pinon St, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project: Groundwater Monitoring
Site: BMG
Location: Evaporation Pond
Tech: S. Glasses

Project No.:
Date: 06/16/16
Time: 0920
Form: 1 of 1

Well I.D.	Time	Depth to NAPL (ft.)	Depth to Water (ft.)	NAPL Thickness (ft.)	Notes / Observations
MW-1	1044	———	39.54	———	2" well
MW-2	1138	———	40.62	———	2" well
MW-3	0922	———	39.90	———	2" well
MW-4	1002	———	40.41	———	2" well

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
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Glasses
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 39.54 **Time:** 1044 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 39.55 **Time:** 1045 *(taken prior to purging well)*
Final D.T.W. (ft): **Time:** *(taken after sample collection)*
If NAPL Present: **D.T.P.:** **D.T.W.:** **Thickness:** **Time:**

Project No.:
Date: 6-17-16
Arrival Time: ~~1030~~ 1041
Air Temp: ~~70°F~~ 66°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.61

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
10.52	13.47	1.241	9.78	7.21	113.4	initial	Clear H_2O, No Odor
1056	12.50	1.242	8.79	6.95	116.2	.5 gal	Cloudy/Clear, H_2O No odor
1116						~~1.0 gal~~ →	Sample Collected

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: Yes, on Gravel surface
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Last Sampling Event, Well showed signs of Slow recharge and Low Yield. Possible Early Sampling
@ 1055 → Allow Well to recharge for 15 minutes
Sample Collected due to Low Yield/Low YSI Readings

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-2

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: J. Glasses
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.62 **Time:** 1138 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.62 **Time:** 1140 *(taken prior to purging well)*
Final D.T.W. (ft): 44.65 **Time:** 1213 *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: _____
Date: 6-17-16
Arrival Time: 1133
Air Temp: 70°F
T.O.C. Elev. (ft): _____
Total Well Depth (ft): 45.56

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1146	14.25	2.214	13.96	7.35	107.2	initial	Clear H_2O, No odor
1152	12.80	2.209	13.70	7.15	111.0	0.5 gal	Cloudy Tan, No odor
1210						→	Sample Collected

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: On gravel Surface
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Low Yied / Recharge Rate
@ 1150 → Allow MW to recharge for 15-20mins, will collect sample due to low Yield / Ysi Readings

Revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-3

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Glasses
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 39.90 **Time:** 0922 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 39.90 **Time:** 0924 *(taken prior to purging well)*
Final D.T.W. (ft): 43.03 **Time:** 0950 *(taken after sample collection)*
If NAPL Present: D.T.P.:_____ D.T.W.:_____ Thickness:_____ Time:_____

Project No.:
Date: 6-17-16
Arrival Time: 0920
Air Temp: 66° F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.61

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
0931	13.72	0.925	9.19	6.96	84.3	initial	Clear H_2O, No odor
0936	12.94	0.922	8.04	6.86	92.9	.5 gal	Cloudy Brown, No odor
0940						→	Sample Collected

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: Onto gravel surface
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: 2.795616 ≈ (2.75 gal)
Recharge rate from past sampling have been slow (Low yield)
Low Yield @ 0.5 gal
Early sampling due to Slow recharge / Low Yield

Revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-4

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Glasses
Purge / No Purge: Purge
Well Diameter (in): 2

Project No.:
Date: 6-17-16
Arrival Time: 0955
Air Temp: 66°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.64

Initial D.T.W. (ft): ~~40.41~~ **Time:** 1002 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): ~~40.41~~ **Time:** 1002 *(taken prior to purging well)*
Final D.T.W. (ft): 44.12 **Time:** 1038 *(taken after sample collection)*
If NAPL Present: **D.T.P.:** **D.T.W.:** **Thickness:** **Time:**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1011	13.92	1.486	12.77	7.04	110.5	initial	Clear H_2O, No odor
1016	12.66	1.498	13.02	6.90	108.8	1 gal	Cloudy Brown, No odor organic floaties
1031	12.78	1.537	12.28	6.95	104.4	1.25 gal	~~Clear~~ H_2O, No odor recharge.
1033						→	Sample Collected

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: On gravel surface
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: ~~40.41~~ Last Sampling Event → low yield resulting in Sampling before calculated Purge Volume

@ 1012 Allowing 15 mins for well to recharge → Low Yield for YSI/Sampling

BMG Landfarm Sampling - Vadose Zone (VZ)

Date: 6-16-16

Cell #	1
Sample ID: (S-1 through S-4)	~~Cell #1 VZ S-1~~ VZ Cell #1 S-1
GPS:	36.38872, -106.86549
Time of sample:	0935
Shovel depth:	15" → 2.5'
Auger depth (2.5' total depth):	15"
Soil characteristics: (odor, color, texture)	@ Brown, Clayey. No odor

Cell #	1
Sample ID: (S-1 through S-4)	VZ Cell #1 S-2
GPS:	36.38919, -106.86656
Time of sample:	0951
Shovel depth:	1.5' → 2.5'
Auger depth (2.5' total depth):	1.0'
Soil characteristics: (odor, color, texture)	Reddish Brown, Sandy, No odor Fine Grain

Cell #	1
Sample ID: (S-1 through S-4)	VZ Cell #1 S-3
GPS:	36.38944, -106.86708
Time of sample:	1004
Shovel depth:	1.5'
Auger depth (2.5' total depth):	1.0'
Soil characteristics: (odor, color, texture)	Brown/Tan, Fine Grained Sand, No odor

Cell #	1
Sample ID: (S-1 through S-4)	VZ Cell #1 S-4
GPS:	36.38986, -106.86773
Time of sample:	1016
Shovel depth:	16"
Auger depth (2.5' total depth):	14"
Soil characteristics: (odor, color, texture)	Brown, Fine Grain Sand, No odor

BMG Landfarm Sampling - Vadose Zone (VZ)

Date: 6-16-16

Cell #	2
Sample ID: (S-1 through S-4)	VZ Cell #2 S-1
GPS:	36.39024, -106.86690
Time of sample:	1030
Shovel depth:	@ 16" Brown, Clayey Sand, No odor
Auger depth (2.5' total depth):	@ 18" Red, Fine Grain Sand, No odor
Soil characteristics: (odor, color, texture)	2.5' Brown, Clayey Sand, No odor

16"
18"
30"

Cell #	2
Sample ID: (S-1 through S-4)	VZ Cell #2 S-2
GPS:	36.38986, -106.86644
Time of sample:	1042
Shovel depth:	22"
Auger depth (2.5' total depth):	8"
Soil characteristics: (odor, color, texture)	Tan, Fine Grain Sand, No odor

Cell #	2
Sample ID: (S-1 through S-4)	VZ Cell #2 S-3
GPS:	36.38990, -106.86591
Time of sample:	1055
Shovel depth:	20"
Auger depth (2.5' total depth):	10"
Soil characteristics: (odor, color, texture)	@ 8" - Brown, Fine Grain, No odor @ 20" Red, Fine Grain, No odor @ 2.5' Tan, Fine Grain, No odor

Cell #	2
Sample ID: (S-1 through S-4)	VZ Cell #2 S-4
GPS:	36.38993, -106.86540
Time of sample:	1108
Shovel depth:	20" → Brown/Reddish, Fine Grain Sand, No Odor
Auger depth (2.5' total depth):	30"
Soil characteristics: (odor, color, texture)	Brown/Tan, Sandy Clay, No odor

BMG Landfarm Sampling - Vadose Zone (VZ)

Date: 6-16-16

Cell #	3
Sample ID: (S-1 through S-4)	VZ Cell #3 S-1
GPS:	36.38941, -106.86391
Time of sample:	1125
Shovel depth:	20" Reddish/Brown, Sandy Clay, No odor
Auger depth (2.5' total depth):	10"
Soil characteristics: (odor, color, texture)	Brown, Clayey Sand, No odor

Cell #	3
Sample ID: (S-1 through S-4)	VZ Cell #3 S-2
GPS:	36.38890, -106.86425
Time of sample:	1135
Shovel depth:	22"
Auger depth (2.5' total depth):	8"
Soil characteristics: (odor, color, texture)	Red/Brown / Sandy Clayey / No odor

Cell #	3
Sample ID: (S-1 through S-4)	S-3
GPS:	36.38916, -106.86469
Time of sample:	1147
Shovel depth:	16" Brown, Fine Grain Sand, No Odor
Auger depth (2.5' total depth):	14"
Soil characteristics: (odor, color, texture)	Brown/Reddish, Fine Grain Sand, No odor

Cell #	3
Sample ID: (S-1 through S-4)	S-4
GPS:	36.38922, -106.86533
Time of sample:	1202
Shovel depth:	20"
Auger depth (2.5' total depth):	10"
Soil characteristics: (odor, color, texture)	Tan/Brown, Fine Grain Sand, No Odor

BMG Landfarm Sampling - Vadose Zone (VZ)

Date:

Cell #	4
Sample ID: (S-1 through S-4)	S-1
GPS:	36.38899, -106.86224
Time of sample:	1220
Shovel depth:	20"
Auger depth (2.5' total depth):	10"
Soil characteristics: (odor, color, texture)	Brown/Red, Clayey Sand, No odor

Cell #	4
Sample ID: (S-1 through S-4)	S-2
GPS:	36.38917, -106.86260
Time of sample:	1230
Shovel depth:	18"
Auger depth (2.5' total depth):	12"
Soil characteristics: (odor, color, texture)	Brown, Sandy Clay, No odor

Cell #	4
Sample ID: (S-1 through S-4)	S-3
GPS:	36.38910, -106.86313
Time of sample:	1242
Shovel depth:	20" Brown, Clayey/Fine Grain Sand, No odor
Auger depth (2.5' total depth):	10"
Soil characteristics: (odor, color, texture)	Brown, Clayey Sand, No odor

Cell #	4
Sample ID: (S-1 through S-4)	S-4
GPS:	36.38939, -106.86346
Time of sample:	1254
Shovel depth:	26"
Auger depth (2.5' total depth):	10"
Soil characteristics: (odor, color, texture)	Brown, Clayey Sand, No odor moist

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-1

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Glasses
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 39.66 **Time:** 1316 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 39.66 **Time:** 1318 *(taken prior to purging well)*
Final D.T.W. (ft): 45.36 **Time:** 1352 *(taken after sample collection)*
If NAPL Present: D.T.P.:_____ D.T.W.:_____ Thickness:_____ Time:_____

Project No.:
Date: 9-23-16
Arrival Time: 1312
Air Temp: 63°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.61

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1322	11.11	1.182	6.53	7.39	176.4	initial	Clear H_2O, No odor
1326	11.41	1.116	5.88	7.41	166.4	.5 gal	Cloudy Brown H_2O No odor
1330	11.31	1.108	8.59	7.47	167.0	1.0 gal	Cloudy Tan H_2O No odor
1350						→	Sample Collected

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: On ground Surface
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Purge ≈ 3.0 gal Low yield/slow recharge → 15 minute recharge → More time needed for recharge. 5 minutes

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-2

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Glasses
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.75 **Time:** 1416 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.75 **Time:** 1411 *(taken prior to purging well)*
Final D.T.W. (ft): 45.02 **Time:** 1448 *(taken after sample collection)*
If NAPL Present: D.T.P.:_____ D.T.W.:_____ Thickness:_____ Time:_____

Project No.:
Date: 9-23-16
Arrival Time: 1405
Air Temp: 62° F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.56

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1417	10.94	2.188	8.52	7.47	192.2	initial	Clear H2O No odor
1423	11.02	2.097	8.45	7.43	187.8	.5 gal	Cloudy H2O, Tan No odor
1430	11.10	1.987	7.93	7.41	183.4	1.0 gal	Cloudy, Brown, No odor
1445						→	Sample Collected

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: On ground surface
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Purge ± 2.25 gal Low yield / Slow Recharge
15 minute recharge cycle. Sample collected early

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-3

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Glasses
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.03 **Time:** 1143 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.03 **Time:** 1144 *(taken prior to purging well)*
Final D.T.W. (ft): 43.98 **Time:** 1215 *(taken after sample collection)*
If NAPL Present: D.T.P.:_____ D.T.W.:_____ Thickness:_____ Time:_____

Project No.:
Date: 9-23-16
Arrival Time: 1135
Air Temp: 59°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.61

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1150	12.60	0.983	7.03	7.09	272.4	initial	Clear H2O, No odor
1154	12.04	0.925	5.60	6.47	265.9	.5 gal	Cloudy Tan, No odor
1158	11.87	0.904	7.74	6.90	236.5	1.0 gal	Cloudy Brown, No odor
1219						→	Sample Collected

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: On ground surface
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: ≈ 2.75 gal
Due to low yield/Recharge, sample collected @ 1.0 gal purge
15 minutes for recharge.

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-4

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Glasses
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.53 **Time:** 1230 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.53 **Time:** 1231 *(taken prior to purging well)*
Final D.T.W. (ft): 43.63 **Time:** 1308 *(taken after sample collection)*
If NAPL Present: D.T.P.:_____ D.T.W.:_____ Thickness:_____ Time:_____

Project No.:
Date: 9-23-16
Arrival Time: 1226
Air Temp: 61°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.64

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1238	11.80	1.712	7.72	7.13	178.0	initial	Clear H_2O, No odor
1243	11.57	1.628	7.55	7.16	171.7	.5 gal	Cloudy H_2O, No odor
1248	11.47	1.589	9.68	7.51	174.8	1.0 gal	Cloudy Brown H_2O No odor
1305						→	Sample Collected

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: On ground surface
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Purge, ≈ 2.5 gal Slow Recharge rate = early Sample Collection
15 minute wait for recharge

MONITORING WELL SAMPLING RECORD

Monitor Well No: Interstitial Well

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Glasses
Purge / No Purge: Purge
Well Diameter (in): 2"
Initial D.T.W. (ft): ——— **Time:** ——— *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): ——— **Time:** ——— *(taken prior to purging well)*
Final D.T.W. (ft): ——— **Time:** ——— *(taken after sample collection)*
If NAPL Present: **D.T.P.:**_____ **D.T.W.:**_____ **Thickness:**_____ **Time:**_____

Project No.:
Date: 9-23-14
Arrival Time: 1500
Air Temp: 64°F
T.O.C. Elev. (ft):
Total Well Depth (ft):

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1122	Bailed	2.5 gal	Waited	for re	charge	from beginning	to end of day
1515	———	———	———	———	———	——— →	Sample Collected

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: On ground surface
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:
No YSI parameters.

BMG Landfarm Sampling - Treatment Zone (TZ)

Date: 9/22/2016

Cell # 1	1
Sample ID:	Cell#1 TZ CS-1
GPS:	
(4 locations)	
Time of sample:	1106
Sample depth:	6"
Soil characteristics: (odor, color, texture)	Brown No odor, Clayey Sand/Fine Grain

Cell #	2
Sample ID:	Cell #2 TZ CS-1
GPS:	
(4 locations)	
Time of sample:	1208
Sample depth:	6"
Soil characteristics: (odor, color, texture)	Brown, No odor, Clayey Sand

Cell #	3
Sample ID:	Cell #3 TZ CS-1
GPS:	
(4 locations)	
Time of sample:	1308
Sample depth:	6" below ground surface
Soil characteristics: (odor, color, texture)	brown/Reddish, No odor, Fine Grain Sand

Cell #	4
Sample ID:	Cell #3 TZ CS-1
GPS:	
(4 locations)	
Time of sample:	1408
Sample depth:	6" below ground surface
Soil characteristics: (odor, color, texture)	Brown, Slight odor, Fine Grain/Clayey Sand

BMG Landfarm Sampling - Vadose Zone (VZ)

Date:

Cell #	1
Sample ID: (S-1 through S-4)	Cell#1 VZ S-1
GPS:	36.388866, -106.86537
Time of sample:	1019
Shovel depth:	1.0'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Brown No odor, Clayey Sand

Cell #	1
Sample ID: (S-1 through S-4)	Cell#1 VZ S-2
GPS:	36.38914, -106.86623
Time of sample:	1042
Shovel depth:	1'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Brown, Clayey Sand, No odor

Cell #	1
Sample ID: (S-1 through S-4)	Cell#1 VZ S-3
GPS:	36.38938, -106.86692
Time of sample:	1055
Shovel depth:	1'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Brown, No odor, Sandy Clay

Cell #	1
Sample ID: (S-1 through S-4)	Cell#1 VZ S-4
GPS:	36.38974, -106.86791
Time of sample:	1110
Shovel depth:	1'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Tan/Brown, No odor, Sandy Fine Grain

BMG Landfarm Sampling - Vadose Zone (VZ)

Date:

Cell #	2
Sample ID: (S-1 through S-4)	Cell #2 VZ S-1
GPS:	36.39017, -106.86699
Time of sample:	1130
Shovel depth:	1'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Tan, No odor, Fine Grain Sand

Cell #	2
Sample ID: (S-1 through S-4)	Cell #2 VZ S-2
GPS:	36.38991, -106.86656
Time of sample:	1145
Shovel depth:	1'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Tan, No odor, Fine Grain Sand

Cell #	2
Sample ID: (S-1 through S-4)	Cell #2 VZ S-3
GPS:	- - -
Time of sample:	1200
Shovel depth:	1'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	36.38981, -106.86664 Tan, No odor, Fine Grain Sand

Cell #	2
Sample ID: (S-1 through S-4)	Cell #2 VZ S-4
GPS:	36.38991, -106.86644
Time of sample:	1213
Shovel depth:	1'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Brown, No odor, Fine Grain Sand/Clayey

BMG Landfarm Sampling - Vadose Zone (VZ)

Date:

Cell #	3
Sample ID: (S-1 through S-4)	Cell #3 VZ S-1
GPS:	36.38927, -106.86523
Time of sample:	1231
Shovel depth:	1'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Tan, No odor, Fine Grain Sand

Cell #	3
Sample ID: (S-1 through S-4)	Cell #3 VZ S-2
GPS:	36.38890, -106.86449
Time of sample:	1245
Shovel depth:	1'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Brown, No odor, Fine Grain / Clayey Sand

Cell #	3
Sample ID: (S-1 through S-4)	Cell #3 VZ S-3
GPS:	36.38926, -106.86405
Time of sample:	1300
Shovel depth:	1'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Brown, NO odor, Fine / Clayey Sand

Cell #	3
Sample ID: (S-1 through S-4)	Cell #3 VZ S-4
GPS:	36.38934, -106.86449
Time of sample:	1315
Shovel depth:	1'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Brown, No odor, Fine Grain Sand

BMG Landfarm Sampling - Vadose Zone (VZ)

Date: 9-22-16

Cell #	4
Sample ID: (S-1 through S-4)	Cell #4 VZ S-1
GPS:	36.38891, -106.86236
Time of sample:	1334
Shovel depth:	1'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Brown/Reddish, No oder, Fine Grain Sand

Cell #	4
Sample ID: (S-1 through S-4)	Cell #4 VZ S-2
GPS:	36.38900, -106.285
Time of sample:	1345
Shovel depth:	1'
Auger depth (2.5' total depth):	1.5
Soil characteristics: (odor, color, texture)	Brown, No odor, Clayey Sandy/Grain Fine.

Cell #	4
Sample ID: (S-1 through S-4)	Cell #4 VZ S-3
GPS:	36.38929, -106.86314
Time of sample:	1400
Shovel depth:	1'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Brown, No oder, Fine Grain / Clayey Sand

Cell #	4
Sample ID: (S-1 through S-4)	Cell #4 VZ S-4
GPS:	36.38924, -106.86355
Time of sample:	1415
Shovel depth:	1'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Brown, No oder, Moist, Fine Grain / Clayey Sand

DEPTH TO GROUNDWATER MEASUREMENT FORM

Animas Environmental Services
604 W. Pinon St, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project: Groundwater Monitoring
Site: BMG
Location: Evaporation Pond
Tech:

Project No.:
Date: 12/19/16
Time:
Form: 1 of 1

Well I.D.	Time	Depth to NAPL (ft.)	Depth to Water (ft.)	NAPL Thickness (ft.)	Notes / Observations
MW-1	11:53	~~39~~	39.81	—	
MW-2	12:26	—	40.86	—	
MW-3	10:52	—	40.15	—	
MW-4	1126	—	40.67	—	

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
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Glasses
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 39.81 **Time:** 1151 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 39.81 **Time:** 1153 *(taken prior to purging well)*
Final D.T.W. (ft): 45.29 **Time:** 1207 *(taken after sample collection)*
If NAPL Present: D.T.P.:_____ D.T.W.:_____ Thickness:_____ Time:_____

Project No.:
Date: 12-19-16
Arrival Time: 1148
Air Temp: 20 °F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.61

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1157	10.13	1.016	4.35	7.53	168.9	initial	Clear H_2O, No odor
1201	10.47	0.998	4.87	7.55	168.9	.5	Cloudy H_2O, Brown/Tan No odor
1205	10.93	0.995	5.06	7.59	168.6	1.0	cloudy H_2O, Brown No odor sediment @ bottom
1210						→	Sample Collected

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: On ground surface
Collected Samples Stored on Ice in Cooler: yes
Chain of Custody Record Complete: yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Early Sample Collection due to Low Yield

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-2

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: S.Glasses
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.86 **Time:** 1223 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.86 **Time:** 1226 *(taken prior to purging well)*
Final D.T.W. (ft): 45.01 **Time:** 1240 *(taken after sample collection)*
If NAPL Present: D.T.P.:_____ D.T.W.:_____ Thickness:_____ Time:_____

Project No.:
Date: 12-19-16
Arrival Time: 12-18-16
Air Temp: 22°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.56

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1233	9.42	2.205	6.73	7.50	183.5	initial	Clear H_2O, No odor
1238	10.22	2.209	6.80	7.64	171.6	.5 gal	Cloudy H_2O, Brown No odor sediment @ Bottom
						1 gal	
1245						→	Sample Collected

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: On ground surface
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Early Sample Collection due to Low Yield

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-3

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Glasses
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.15 **Time:** 1049 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.15 **Time:** 1058 *(taken prior to purging well)*
Final D.T.W. (ft): 44.70 **Time:** 1108 *(taken after sample collection)*
If NAPL Present: D.T.P.: — D.T.W.: — Thickness: — Time: —

Project No.:
Date: 12-19-16
Arrival Time: 1038
Air Temp: 18° F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.61

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1100	10.94	0.899	4.27	6.84	210.6	initial	Clear H_2O, No odor
1105	9.84	0.884	4.33	7.54	166.4	1 gal	Cloudy H_2O, Brown No odor
1110	—	—	—	—	—	→	Sample Collected

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: On ground surface
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Sample Collected due to low yield.

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-4

Animas Environmental Services

604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Glasses
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.67 **Time:** 1124 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.67 **Time:** 1126 *(taken prior to purging well)*
Final D.T.W. (ft): 44.78 **Time:** 1142 *(taken after sample collection)*
If NAPL Present: D.T.P.: — D.T.W.: — Thickness: — Time: —

Project No.:
Date: 12-19-16
Arrival Time: 1120
Air Temp: 19 °F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.64

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1132	10.05	1.399	5.41	7.40	184.1	initial	Clear H_2O, No odor
1134	10.64	1.355	5.98	7.51	170.3	.5 gal	Cloudy Yellow H_2O No odor
1140	→	→	→	→	→	→	Sample Collected

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: On gravel surface
Collected Samples Stored on Ice in Cooler: yes
Chain of Custody Record Complete: yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Early Sample Collection Due to Low Yield.

BMG Landfarm Sampling - Vadose Zone (VZ)

Date: 12-15-16

Cell #	1
Sample ID: (S-1 through S-4)	~~S-1~~ Cell #1 VZ-S-1
GPS:	36.38889, -106.86586
Time of sample:	0957
Shovel depth:	1'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	No odor, Brown, Clayey Sand

Cell #	1
Sample ID: (S-1 through S-4)	Cell #1 VZ S-2
GPS:	36.38923, -106.86656
Time of sample:	1014
Shovel depth:	1'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	No oder, Brown, Course Grain Sandy/Clayey

Cell #	1
Sample ID: (S-1 through S-4)	Cell #1 VZ S-3
GPS:	36.38948, -106.86706
Time of sample:	1025
Shovel depth:	1.0'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	No odor, Brown, Sandy clayey,

Cell #	1
Sample ID: (S-1 through S-4)	Cell #1 VZ S-4
GPS:	36.38988, -106.86785
Time of sample:	1035
Shovel depth:	1'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	No odor, Tan/Brown, Fine Grain Sand

BMG Landfarm Sampling - Vadose Zone (VZ)

Date: 12-15-16

Cell #	2
Sample ID: (S-1 through S-4)	Cell #2 VZ S-1
GPS:	36.39035, -106.86710
Time of sample:	1053
Shovel depth:	1'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	No odor, Brown, Sandy Clayey, Course Grain

Cell #	2
Sample ID: (S-1 through S-4)	Cell #2 VZ S-2
GPS:	36.39027, -106.86650
Time of sample:	1103
Shovel depth:	1'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	No odor, Tan, Fine Grain Sand

Cell #	2
Sample ID: (S-1 through S-4)	Cell #2 VZ S-3
GPS:	36.38998, -106.86600
Time of sample:	1112
Shovel depth:	1'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	No odor, light Brown/Tan, Fine Grain Sand

Cell #	2
Sample ID: (S-1 through S-4)	Cell #2 VZ S-4
GPS:	36.38955, -106.86577
Time of sample:	1123
Shovel depth:	1'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	No odor, Tan, Fine Grain Sand

BMG Landfarm Sampling - Vadose Zone (VZ)

Date: 12-15-16

Cell #	3
Sample ID: (S-1 through S-4)	Cell #3 VZ S-1
GPS:	36.38941, -106.86397
Time of sample:	1143
Shovel depth:	1
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	No odor, Brown, Clayey Sand

Cell #	3
Sample ID: (S-1 through S-4)	Cell #3 VZ S-2
GPS:	36.38916, -106.86420
Time of sample:	1154
Shovel depth:	1'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	No odor, Brown, Clayey Sand.

Cell #	3
Sample ID: (S-1 through S-4)	Cell #3 VZ S-3
GPS:	36.38919, -106.86471
Time of sample:	1206
Shovel depth:	1'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	No odor, Brown, Clayey Sand

Cell #	3
Sample ID: (S-1 through S-4)	Cell #3 VZ S-4
GPS:	36.38923, -106.86533
Time of sample:	1215
Shovel depth:	1'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	No odor, Tan/Brown, Fine Grain Sand

BMG Landfarm Sampling - Vadose Zone (VZ)

Date:

Cell #	4
Sample ID: (S-1 through S-4)	Cell #4 VZ S-1
GPS:	36.38905, -106.86222
Time of sample:	1231
Shovel depth:	1'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	No odor, Brown, Fine Grain Sand

Cell #	4
Sample ID: (S-1 through S-4)	Cell #4 VZ S-2
GPS:	36.38898, -106.862269
Time of sample:	1247
Shovel depth:	1'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	No odor, Brown/Reddish, Sandy Clayey

Cell #	4
Sample ID: (S-1 through S-4)	Cell #4 VZ S-3
GPS:	36.38922, -106.862307
Time of sample:	1258
Shovel depth:	1'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	No odor, Brown, Sandy Clayey

Cell #	4
Sample ID: (S-1 through S-4)	Cell #4 VZ S-4
GPS:	36.38932, -106.862340
Time of sample:	1310
Shovel depth:	1'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	No odor, Brown, Clayey Sand

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

March 10, 2016

Stephanie Hinds

Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG Landfarm OrderNo.: 1603274

Dear Stephanie Hinds:

Hall Environmental Analysis Laboratory received 5 sample(s) on 3/5/2016 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 qualifers 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 #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1603274**
Date Reported: **3/10/2016**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-1
Project: BMG Landfarm
Collection Date: 3/4/2016 11:30:00 AM
Lab ID: 1603274-001 **Matrix:** AQUEOUS **Received Date:** 3/5/2016 8:05:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	68	5.0		mg/L	10	3/9/2016 2:55:18 AM	A32672
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	666	40.0	*D	mg/L	1	3/9/2016 11:47:00 AM	24120
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/7/2016 6:21:18 PM	24101
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/7/2016 6:21:18 PM	24101
Surr: DNOP	105	70-141		%Rec	1	3/7/2016 6:21:18 PM	24101
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/7/2016 8:31:23 PM	A32624
Surr: BFB	92.5	49.5-130		%Rec	1	3/7/2016 8:31:23 PM	A32624
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	3/7/2016 8:31:23 PM	R32624
Benzene	ND	1.0		µg/L	1	3/7/2016 8:31:23 PM	R32624
Toluene	ND	1.0		µg/L	1	3/7/2016 8:31:23 PM	R32624
Ethylbenzene	ND	1.0		µg/L	1	3/7/2016 8:31:23 PM	R32624
Xylenes, Total	ND	2.0		µg/L	1	3/7/2016 8:31:23 PM	R32624
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/7/2016 8:31:23 PM	R32624
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/7/2016 8:31:23 PM	R32624
Surr: 4-Bromofluorobenzene	114	65-127		%Rec	1	3/7/2016 8:31:23 PM	R32624

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-2
Project: BMG Landfarm
Collection Date: 3/4/2016 12:09:00 PM
Lab ID: 1603274-002
Matrix: AQUEOUS
Received Date: 3/5/2016 8:05:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	280	50	*	mg/L	100	3/9/2016 3:57:21 AM	A32672
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	1040	100	*D	mg/L	1	3/9/2016 11:47:00 AM	24120
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/7/2016 6:43:00 PM	24101
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/7/2016 6:43:00 PM	24101
Surr: DNOP	112	70-141		%Rec	1	3/7/2016 6:43:00 PM	24101
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/7/2016 8:56:00 PM	A32624
Surr: BFB	91.7	49.5-130		%Rec	1	3/7/2016 8:56:00 PM	A32624
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	3/7/2016 8:56:00 PM	R32624
Benzene	ND	1.0		µg/L	1	3/7/2016 8:56:00 PM	R32624
Toluene	ND	1.0		µg/L	1	3/7/2016 8:56:00 PM	R32624
Ethylbenzene	ND	1.0		µg/L	1	3/7/2016 8:56:00 PM	R32624
Xylenes, Total	ND	2.0		µg/L	1	3/7/2016 8:56:00 PM	R32624
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/7/2016 8:56:00 PM	R32624
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/7/2016 8:56:00 PM	R32624
Surr: 4-Bromofluorobenzene	113	65-127		%Rec	1	3/7/2016 8:56:00 PM	R32624

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-3
Project: BMG Landfarm
Collection Date: 3/4/2016 9:50:00 AM
Lab ID: 1603274-003
Matrix: AQUEOUS
Received Date: 3/5/2016 8:05:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	21	5.0		mg/L	10	3/9/2016 4:09:46 AM	A32672
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	620	200	*D	mg/L	1	3/9/2016 11:47:00 AM	24120
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/7/2016 7:04:46 PM	24101
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/7/2016 7:04:46 PM	24101
Surr: DNOP	106	70-141		%Rec	1	3/7/2016 7:04:46 PM	24101
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/7/2016 9:20:35 PM	A32624
Surr: BFB	91.7	49.5-130		%Rec	1	3/7/2016 9:20:35 PM	A32624
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	3/7/2016 9:20:35 PM	R32624
Benzene	ND	1.0		µg/L	1	3/7/2016 9:20:35 PM	R32624
Toluene	ND	1.0		µg/L	1	3/7/2016 9:20:35 PM	R32624
Ethylbenzene	ND	1.0		µg/L	1	3/7/2016 9:20:35 PM	R32624
Xylenes, Total	ND	2.0		µg/L	1	3/7/2016 9:20:35 PM	R32624
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/7/2016 9:20:35 PM	R32624
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/7/2016 9:20:35 PM	R32624
Surr: 4-Bromofluorobenzene	111	65-127		%Rec	1	3/7/2016 9:20:35 PM	R32624

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-4
Project: BMG Landfarm
Collection Date: 3/4/2016 10:40:00 AM
Lab ID: 1603274-004
Matrix: AQUEOUS
Received Date: 3/5/2016 8:05:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	170	50		mg/L	100	3/9/2016 4:47:00 AM	A32672
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	721	20.0	*	mg/L	1	3/9/2016 11:47:00 AM	24120
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/7/2016 7:26:25 PM	24101
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/7/2016 7:26:25 PM	24101
Surr: DNOP	111	70-141		%Rec	1	3/7/2016 7:26:25 PM	24101
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/7/2016 9:45:06 PM	A32624
Surr: BFB	93.0	49.5-130		%Rec	1	3/7/2016 9:45:06 PM	A32624
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	3/7/2016 9:45:06 PM	R32624
Benzene	ND	1.0		µg/L	1	3/7/2016 9:45:06 PM	R32624
Toluene	ND	1.0		µg/L	1	3/7/2016 9:45:06 PM	R32624
Ethylbenzene	ND	1.0		µg/L	1	3/7/2016 9:45:06 PM	R32624
Xylenes, Total	ND	2.0		µg/L	1	3/7/2016 9:45:06 PM	R32624
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/7/2016 9:45:06 PM	R32624
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/7/2016 9:45:06 PM	R32624
Surr: 4-Bromofluorobenzene	114	65-127		%Rec	1	3/7/2016 9:45:06 PM	R32624

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Trip Blank
Project: BMG Landfarm
Collection Date:
Lab ID: 1603274-005
Matrix: TRIP BLANK
Received Date: 3/5/2016 8:05:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/7/2016 10:09:33 PM	A32624
Surr: BFB	94.7	49.5-130		%Rec	1	3/7/2016 10:09:33 PM	A32624
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	3/7/2016 10:09:33 PM	R32624
Benzene	ND	1.0		µg/L	1	3/7/2016 10:09:33 PM	R32624
Toluene	ND	1.0		µg/L	1	3/7/2016 10:09:33 PM	R32624
Ethylbenzene	ND	1.0		µg/L	1	3/7/2016 10:09:33 PM	R32624
Xylenes, Total	ND	2.0		µg/L	1	3/7/2016 10:09:33 PM	R32624
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/7/2016 10:09:33 PM	R32624
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/7/2016 10:09:33 PM	R32624
Surr: 4-Bromofluorobenzene	116	65-127		%Rec	1	3/7/2016 10:09:33 PM	R32624

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1603274**

10-Mar-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **A32672**	RunNo: **32672**
Prep Date:	Analysis Date: **3/8/2016**	SeqNo: **999851** 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: **A32672**	RunNo: **32672**
Prep Date:	Analysis Date: **3/8/2016**	SeqNo: **999852** 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	97.9	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1603274**

10-Mar-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **LCS-24101**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **LCSW**	Batch ID: **24101**	RunNo: **32603**
Prep Date: **3/7/2016**	Analysis Date: **3/7/2016**	SeqNo: **997914** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	5.9	1.0	5.000	0	118	71.3	139			
Surr: DNOP	0.50		0.5000		99.7	70	141			

Sample ID **MB-24101**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **PBW**	Batch ID: **24101**	RunNo: **32603**
Prep Date: **3/7/2016**	Analysis Date: **3/7/2016**	SeqNo: **997915** 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	0.91		1.000		90.8	70	141			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1603274**

10-Mar-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**5ML RB**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**PBW**	Batch ID:	**A32624**	RunNo:	**32624**					
Prep Date:		Analysis Date:	**3/7/2016**	SeqNo:	**998181**	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	19		20.00		94.6	49.5	130			

Sample ID	**2.5UG GRO LCS**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSW**	Batch ID:	**A32624**	RunNo:	**32624**					
Prep Date:		Analysis Date:	**3/7/2016**	SeqNo:	**998182**	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	99.6	80	120			
Surr: BFB	21		20.00		106	49.5	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1603274**

10-Mar-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBW**	Batch ID: **R32624**	RunNo: **32624**
Prep Date:	Analysis Date: **3/7/2016**	SeqNo: **998197** 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	23		20.00		117	65	127			

Sample ID **100NG BTEX LCS**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSW**	Batch ID: **R32624**	RunNo: **32624**
Prep Date:	Analysis Date: **3/7/2016**	SeqNo: **998198** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	17	2.5	20.00	0	85.9	78.4	127			
Benzene	18	1.0	20.00	0	90.1	80	120			
Toluene	19	1.0	20.00	0	97.1	80	120			
Ethylbenzene	20	1.0	20.00	0	97.6	80	120			
Xylenes, Total	59	2.0	60.00	0	97.7	80	120			
1,2,4-Trimethylbenzene	21	1.0	20.00	0	103	79.9	137			
1,3,5-Trimethylbenzene	20	1.0	20.00	0	102	81.6	128			
Surr: 4-Bromofluorobenzene	25		20.00		127	65	127			S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1603274**

10-Mar-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **MB-24120**	SampType: **MBLK**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **PBW**	Batch ID: **24120**	RunNo: **32669**
Prep Date: **3/7/2016**	Analysis Date: **3/9/2016**	SeqNo: **999682** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID **LCS-24120**	SampType: **LCS**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **LCSW**	Batch ID: **24120**	RunNo: **32669**
Prep Date: **3/7/2016**	Analysis Date: **3/9/2016**	SeqNo: **999683** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1030	20.0	1000	0	103	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1603274** RcptNo: 1

Received by/date: 03/05/16

Logged By: **Joe Archuleta** **3/5/2016 8:05:00 AM** JA

Completed By: **Joe Archuleta** **3/5/2016 8:41:39 AM** JA

Reviewed By: 03/04/16

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

Client:	**Animas Environmental Services**
Mailing Address:	**604 W. Pinon Street**
	Farmington, NM 87401
Phone #:	**505-564-2281**
email or Fax#:	shinds@animasenvironmental.com
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other
□ EDD (Type)	

Turn-Around Time:

X Standard □ Rush

Project Name: **BMG Landfarm**

Project #: **AES 040605**

Project Manager: **Stephanie Hinds**

Sampler: S. Glasses

On Ice: X Yes □ No

Sample Temperature: 1.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1603274	BTEX 8021	TPH (GRO/DRO/MRO) 8015	TDS SM2540C	Chlorides 300.0							Air Bubbles (Y or N)
3/4/2016	1130	H2O	MW-1	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-001	X	X	X	X							
3/4/2016	1209	H2O	MW-2	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-002	X	X	X	X							
3/4/2016	0950	H2O	MW-3	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-003	X	X	X	X							
3/4/2016	1040	H2O	MW-4	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-004	X	X	X	X							
		H2O	Trip Blank		Cold	-005	X										

Date: 3/4/16	Time: 1638	Relinquished by:	Received by:	Date 3/4/16	Time 1638	Remarks:
Date: 3/4/16	Time: 1758	Relinquished by:	Received by:	Date 03/05/16	Time 0805	

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

March 30, 2016

Stephanie Hinds

Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX (505) 324-2022

RE: BMG Landfarm OrderNo.: 1603456

Dear Stephanie Hinds:

Hall Environmental Analysis Laboratory received 16 sample(s) on 3/9/2016 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 qualifers 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 #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1603456**
Date Reported: **3/30/2016**

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #1 S-1
Project: BMG Landfarm
Collection Date: 3/7/2016 11:40:00 AM
Lab ID: 1603456-001 **Matrix:** SOIL **Received Date:** 3/9/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **TOM**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	3/18/2016	24184
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Chloride	180	30		mg/Kg	20	3/27/2016 12:17:22 AM	24454
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	3/10/2016 10:22:06 AM	24158
Toluene	ND	0.048		mg/Kg	1	3/10/2016 10:22:06 AM	24158
Ethylbenzene	ND	0.048		mg/Kg	1	3/10/2016 10:22:06 AM	24158
Xylenes, Total	ND	0.096		mg/Kg	1	3/10/2016 10:22:06 AM	24158
Surr: 4-Bromofluorobenzene	110	80-120		%Rec	1	3/10/2016 10:22:06 AM	24158

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #1 S-2
Project: BMG Landfarm
Collection Date: 3/7/2016 12:00:00 PM
Lab ID: 1603456-002 **Matrix:** SOIL **Received Date:** 3/9/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **TOM**	
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	3/18/2016	24184
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Chloride	ND	30		mg/Kg	20	3/27/2016 12:54:35 AM	24454
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	3/10/2016 11:32:35 AM	24158
Toluene	ND	0.048		mg/Kg	1	3/10/2016 11:32:35 AM	24158
Ethylbenzene	ND	0.048		mg/Kg	1	3/10/2016 11:32:35 AM	24158
Xylenes, Total	ND	0.096		mg/Kg	1	3/10/2016 11:32:35 AM	24158
Surr: 4-Bromofluorobenzene	110	80-120		%Rec	1	3/10/2016 11:32:35 AM	24158

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #1 S-3
Project: BMG Landfarm
Collection Date: 3/7/2016 12:23:00 PM
Lab ID: 1603456-003 **Matrix:** SOIL **Received Date:** 3/9/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **TOM**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	3/18/2016	24184
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Chloride	ND	30		mg/Kg	20	3/27/2016 1:06:59 AM	24454
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	3/10/2016 11:56:01 AM	24158
Toluene	ND	0.048		mg/Kg	1	3/10/2016 11:56:01 AM	24158
Ethylbenzene	ND	0.048		mg/Kg	1	3/10/2016 11:56:01 AM	24158
Xylenes, Total	ND	0.097		mg/Kg	1	3/10/2016 11:56:01 AM	24158
Surr: 4-Bromofluorobenzene	112	80-120		%Rec	1	3/10/2016 11:56:01 AM	24158

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #1 S-4
Project: BMG Landfarm
Collection Date: 3/7/2016 12:36:00 PM
Lab ID: 1603456-004 **Matrix:** SOIL **Received Date:** 3/9/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **TOM**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	3/18/2016	24184
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Chloride	ND	30		mg/Kg	20	3/27/2016 1:19:24 AM	24454
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.049		mg/Kg	1	3/10/2016 12:19:27 PM	24158
Toluene	ND	0.049		mg/Kg	1	3/10/2016 12:19:27 PM	24158
Ethylbenzene	ND	0.049		mg/Kg	1	3/10/2016 12:19:27 PM	24158
Xylenes, Total	ND	0.098		mg/Kg	1	3/10/2016 12:19:27 PM	24158
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	3/10/2016 12:19:27 PM	24158

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #2 S-1
Project: BMG Landfarm
Collection Date: 3/7/2016 12:47:00 PM
Lab ID: 1603456-005 **Matrix:** SOIL **Received Date:** 3/9/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **TOM**	
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	3/18/2016	24184
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Chloride	ND	30		mg/Kg	20	3/27/2016 1:31:49 AM	24454
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.049		mg/Kg	1	3/10/2016 12:42:56 PM	24158
Toluene	ND	0.049		mg/Kg	1	3/10/2016 12:42:56 PM	24158
Ethylbenzene	ND	0.049		mg/Kg	1	3/10/2016 12:42:56 PM	24158
Xylenes, Total	ND	0.099		mg/Kg	1	3/10/2016 12:42:56 PM	24158
Surr: 4-Bromofluorobenzene	110	80-120		%Rec	1	3/10/2016 12:42:56 PM	24158

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #2 S-2
Project: BMG Landfarm
Collection Date: 3/7/2016 12:57:00 PM
Lab ID: 1603456-006 **Matrix:** SOIL **Received Date:** 3/9/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **TOM**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	3/18/2016	24184
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Chloride	ND	30		mg/Kg	20	3/27/2016 1:44:14 AM	24454
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	3/10/2016 1:06:37 PM	24158
Toluene	ND	0.048		mg/Kg	1	3/10/2016 1:06:37 PM	24158
Ethylbenzene	ND	0.048		mg/Kg	1	3/10/2016 1:06:37 PM	24158
Xylenes, Total	ND	0.095		mg/Kg	1	3/10/2016 1:06:37 PM	24158
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	3/10/2016 1:06:37 PM	24158

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #2 S-3
Project: BMG Landfarm
Collection Date: 3/7/2016 1:07:00 PM
Lab ID: 1603456-007
Matrix: SOIL
Received Date: 3/9/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **TOM**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	3/18/2016	24184
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Chloride	ND	30		mg/Kg	20	3/27/2016 1:56:38 AM	24454
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	3/10/2016 1:30:15 PM	24158
Toluene	ND	0.048		mg/Kg	1	3/10/2016 1:30:15 PM	24158
Ethylbenzene	ND	0.048		mg/Kg	1	3/10/2016 1:30:15 PM	24158
Xylenes, Total	ND	0.097		mg/Kg	1	3/10/2016 1:30:15 PM	24158
Surr: 4-Bromofluorobenzene	108	80-120		%Rec	1	3/10/2016 1:30:15 PM	24158

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #2 S-4
Project: BMG Landfarm
Collection Date: 3/7/2016 1:20:00 PM
Lab ID: 1603456-008
Matrix: SOIL
Received Date: 3/9/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **TOM**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	3/18/2016	24184
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Chloride	ND	30		mg/Kg	20	3/27/2016 2:09:03 AM	24454
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.049		mg/Kg	1	3/10/2016 1:53:53 PM	24158
Toluene	ND	0.049		mg/Kg	1	3/10/2016 1:53:53 PM	24158
Ethylbenzene	ND	0.049		mg/Kg	1	3/10/2016 1:53:53 PM	24158
Xylenes, Total	ND	0.098		mg/Kg	1	3/10/2016 1:53:53 PM	24158
Surr: 4-Bromofluorobenzene	98.2	80-120		%Rec	1	3/10/2016 1:53:53 PM	24158

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #3 S-1
Project: BMG Landfarm
Collection Date: 3/7/2016 1:32:00 PM
Lab ID: 1603456-009
Matrix: SOIL
Received Date: 3/9/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **TOM**	
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	3/18/2016	24184
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Chloride	ND	30		mg/Kg	20	3/27/2016 2:21:28 AM	24454
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	3/10/2016 2:17:33 PM	24158
Toluene	ND	0.048		mg/Kg	1	3/10/2016 2:17:33 PM	24158
Ethylbenzene	ND	0.048		mg/Kg	1	3/10/2016 2:17:33 PM	24158
Xylenes, Total	ND	0.097		mg/Kg	1	3/10/2016 2:17:33 PM	24158
Surr: 4-Bromofluorobenzene	107	80-120		%Rec	1	3/10/2016 2:17:33 PM	24158

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #3 S-2
Project: BMG Landfarm
Collection Date: 3/7/2016 1:42:00 PM
Lab ID: 1603456-010
Matrix: SOIL
Received Date: 3/9/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **TOM**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	3/18/2016	24184
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Chloride	ND	30		mg/Kg	20	3/27/2016 2:33:53 AM	24454
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.049		mg/Kg	1	3/10/2016 4:14:59 PM	24158
Toluene	ND	0.049		mg/Kg	1	3/10/2016 4:14:59 PM	24158
Ethylbenzene	ND	0.049		mg/Kg	1	3/10/2016 4:14:59 PM	24158
Xylenes, Total	ND	0.098		mg/Kg	1	3/10/2016 4:14:59 PM	24158
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	3/10/2016 4:14:59 PM	24158

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #3 S-3
Project: BMG Landfarm
Collection Date: 3/7/2016 1:53:00 PM
Lab ID: 1603456-011 **Matrix:** SOIL **Received Date:** 3/9/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **TOM**	
Petroleum Hydrocarbons, TR	5300	190		mg/Kg	10	3/18/2016	24184
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Chloride	ND	30		mg/Kg	20	3/27/2016 2:46:17 AM	24454
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	3/10/2016 4:38:29 PM	24158
Toluene	ND	0.047		mg/Kg	1	3/10/2016 4:38:29 PM	24158
Ethylbenzene	ND	0.047		mg/Kg	1	3/10/2016 4:38:29 PM	24158
Xylenes, Total	ND	0.093		mg/Kg	1	3/10/2016 4:38:29 PM	24158
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	3/10/2016 4:38:29 PM	24158

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #3 S-4
Project: BMG Landfarm
Collection Date: 3/7/2016 2:07:00 PM
Lab ID: 1603456-012
Matrix: SOIL
Received Date: 3/9/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **TOM**	
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	3/18/2016	24184
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Chloride	ND	30		mg/Kg	20	3/27/2016 3:23:31 AM	24454
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	3/10/2016 5:02:03 PM	24158
Toluene	ND	0.048		mg/Kg	1	3/10/2016 5:02:03 PM	24158
Ethylbenzene	ND	0.048		mg/Kg	1	3/10/2016 5:02:03 PM	24158
Xylenes, Total	ND	0.096		mg/Kg	1	3/10/2016 5:02:03 PM	24158
Surr: 4-Bromofluorobenzene	107	80-120		%Rec	1	3/10/2016 5:02:03 PM	24158

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #4 S-1
Project: BMG Landfarm
Collection Date: 3/7/2016 2:25:00 PM
Lab ID: 1603456-013
Matrix: SOIL
Received Date: 3/9/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **TOM**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	3/18/2016	24184
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Chloride	ND	30		mg/Kg	20	3/27/2016 3:35:56 AM	24454
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	3/10/2016 5:25:28 PM	24158
Toluene	ND	0.047		mg/Kg	1	3/10/2016 5:25:28 PM	24158
Ethylbenzene	ND	0.047		mg/Kg	1	3/10/2016 5:25:28 PM	24158
Xylenes, Total	ND	0.094		mg/Kg	1	3/10/2016 5:25:28 PM	24158
Surr: 4-Bromofluorobenzene	110	80-120		%Rec	1	3/10/2016 5:25:28 PM	24158

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #4 S-2
Project: BMG Landfarm
Collection Date: 3/7/2016 2:38:00 PM
Lab ID: 1603456-014
Matrix: SOIL
Received Date: 3/9/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **TOM**	
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	3/18/2016	24184
EPA METHOD 300.0: ANIONS						Analyst: **SRM**	
Chloride	ND	30		mg/Kg	20	3/27/2016 3:48:21 AM	24454
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	3/10/2016 5:48:55 PM	24158
Toluene	ND	0.047		mg/Kg	1	3/10/2016 5:48:55 PM	24158
Ethylbenzene	ND	0.047		mg/Kg	1	3/10/2016 5:48:55 PM	24158
Xylenes, Total	ND	0.093		mg/Kg	1	3/10/2016 5:48:55 PM	24158
Surr: 4-Bromofluorobenzene	110	80-120		%Rec	1	3/10/2016 5:48:55 PM	24158

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #4 S-3
Project: BMG Landfarm
Collection Date: 3/7/2016 2:50:00 PM
Lab ID: 1603456-015 **Matrix:** SOIL **Received Date:** 3/9/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **TOM**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	3/18/2016	24184
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	3/28/2016 1:41:28 PM	24483
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	3/10/2016 6:12:18 PM	24158
Toluene	ND	0.048		mg/Kg	1	3/10/2016 6:12:18 PM	24158
Ethylbenzene	ND	0.048		mg/Kg	1	3/10/2016 6:12:18 PM	24158
Xylenes, Total	ND	0.096		mg/Kg	1	3/10/2016 6:12:18 PM	24158
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	3/10/2016 6:12:18 PM	24158

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #4 S-4
Project: BMG Landfarm
Collection Date: 3/7/2016 3:02:00 PM
Lab ID: 1603456-016
Matrix: SOIL
Received Date: 3/9/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **TOM**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	3/18/2016	24184
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	3/28/2016 3:33:10 PM	24483
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.046		mg/Kg	1	3/10/2016 6:35:45 PM	24158
Toluene	ND	0.046		mg/Kg	1	3/10/2016 6:35:45 PM	24158
Ethylbenzene	ND	0.046		mg/Kg	1	3/10/2016 6:35:45 PM	24158
Xylenes, Total	ND	0.092		mg/Kg	1	3/10/2016 6:35:45 PM	24158
Surr: 4-Bromofluorobenzene	108	80-120		%Rec	1	3/10/2016 6:35:45 PM	24158

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1603456**

30-Mar-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-24454**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**24454**	RunNo:	**33106**					
Prep Date:	**3/26/2016**	Analysis Date:	**3/26/2016**	SeqNo:	**1016110**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-24454**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**24454**	RunNo:	**33106**					
Prep Date:	**3/26/2016**	Analysis Date:	**3/26/2016**	SeqNo:	**1016111**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.5	90	110			

Sample ID	**MB-24483**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**24483**	RunNo:	**33131**					
Prep Date:	**3/28/2016**	Analysis Date:	**3/28/2016**	SeqNo:	**1017182**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-24483**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**24483**	RunNo:	**33131**					
Prep Date:	**3/28/2016**	Analysis Date:	**3/28/2016**	SeqNo:	**1017183**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.1	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1603456**

30-Mar-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-24184**	SampType:	**MBLK**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**PBS**	Batch ID:	**24184**	RunNo:	**32887**					
Prep Date:	**3/10/2016**	Analysis Date:	**3/18/2016**	SeqNo:	**1008168**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	**LCS-24184**	SampType:	**LCS**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS**	Batch ID:	**24184**	RunNo:	**32887**					
Prep Date:	**3/10/2016**	Analysis Date:	**3/18/2016**	SeqNo:	**1008169**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	97	20	100.0	0	96.8	83.4	127			

Sample ID	**LCSD-24184**	SampType:	**LCSD**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS02**	Batch ID:	**24184**	RunNo:	**32887**					
Prep Date:	**3/10/2016**	Analysis Date:	**3/18/2016**	SeqNo:	**1008170**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	100	20	100.0	0	102	83.4	127	5.68	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1603456**

30-Mar-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **MB-24158**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **24158**	RunNo: **32721**
Prep Date: **3/9/2016**	Analysis Date: **3/10/2016**	SeqNo: **1001408** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		108	80	120			

Sample ID **LCS-24158**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **24158**	RunNo: **32721**
Prep Date: **3/9/2016**	Analysis Date: **3/10/2016**	SeqNo: **1001409** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	98.0	80	120			
Toluene	1.0	0.050	1.000	0	99.6	80	120			
Ethylbenzene	1.0	0.050	1.000	0	102	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		115	80	120			

Sample ID **1603456-001AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **VZ Cell #1 S-1**	Batch ID: **24158**	RunNo: **32721**
Prep Date: **3/9/2016**	Analysis Date: **3/10/2016**	SeqNo: **1001411** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.024	0.9479	0	96.7	71.5	122			
Toluene	1.0	0.047	0.9479	0	108	71.2	123			
Ethylbenzene	1.1	0.047	0.9479	0	118	75.2	130			
Xylenes, Total	3.4	0.095	2.844	0	120	72.4	131			
Surr: 4-Bromofluorobenzene	1.1		0.9479		113	80	120			

Sample ID **1603456-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **VZ Cell #1 S-1**	Batch ID: **24158**	RunNo: **32721**
Prep Date: **3/9/2016**	Analysis Date: **3/10/2016**	SeqNo: **1001412** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9862	0	104	71.5	122	11.3	20	
Toluene	1.1	0.049	0.9862	0	107	71.2	123	2.87	20	
Ethylbenzene	1.1	0.049	0.9862	0	110	75.2	130	3.52	20	
Xylenes, Total	3.2	0.099	2.959	0	109	72.4	131	5.17	20	
Surr: 4-Bromofluorobenzene	1.2		0.9862		119	80	120	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1603456 RcptNo: 1

Received by/date: 03/09/16

Logged By: Lindsay Mangin 3/9/2016 7:15:00 AM

Completed By: Lindsay Mangin 3/9/2016 9:07:49 AM

Reviewed By: 03/09/16

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.1	Good	Yes			

Chain-of-Custody Record

Client:	**Animas Environmental Services**
Mailing Address:	**604 W. Pinon Street**
	Farmington, NM 87401
Phone #:	**505-564-2281**
email or Fax#:	shinds@animasenvironmental.com
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other_____
□ EDD (Type) _____	

Turn-Around Time:
X Standard □ Rush_____

Project Name: **BMG Landfarm**

Project #: **AES 040605**

Project Manager: **Stephanie Hinds**

Sampler: S. Glasses/J. Sandoval

On Ice: X Yes □ No

Sample Temperature: 1.1

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1603456	BTEX 8021	Chlorides 300.0	TPH 418.1							Air Bubbles (Y or N)
3/7/2016	11:40	Soil	VZ Cell #1 S-1	1 - 4 oz jars	Cool	-001	X	X	X							
3/7/2016	12:00	Soil	VZ Cell #1 S-2	1 - 4 oz jars	Cool	-002	X	X	X							
3/7/2016	12:23	Soil	VZ Cell #1 S-3	1 - 4 oz jars	Cool	-003	X	X	X							
3/7/2016	12:36	Soil	VZ Cell #1 S-4	1 - 4 oz jars	Cool	-004	X	X	X							
3/7/2016	12:47	Soil	VZ Cell #2 S-1	1 - 4 oz jars	Cool	-005	X	X	X							
3/7/2016	12:57	Soil	VZ Cell #2 S-2	1 - 4 oz jars	Cool	-006	X	X	X							
3/7/2016	13:07	Soil	VZ Cell #2 S-3	1 - 4 oz jars	Cool	-007	X	X	X							
3/7/2016	13:20	Soil	VZ Cell #2 S-4	1 - 4 oz jars	Cool	-008	X	X	X							

RECEIVED: 03/09/16 @0715

Chain-of-Custody Record

Client:	Animas Environmental Services
Mailing Address:	604 W. Pinon Street
	Farmington, NM 87401
Phone #:	505-564-2281
email or Fax#:	shinds@animasenvironmental.com
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other
□ EDD (Type)	

Turn-Around Time: X Standard □ Rush

Project Name: BMG Landfarm

Project #: AES 040605

Project Manager: Stephanie Hinds

Sampler: S. Glasses/J. Sandoval

On Ice: X Yes □ No

Sample Temperature: 1.1

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1603456	BTEX 8021	Chlorides 300.0	TPH 418.1							Air Bubbles (Y or N)
3/7/2016	13:32	Soil	VZ Cell #3 S-1	1 - 4 oz jars	Cool	-009	X	X	X								
3/7/2016	13:42	Soil	VZ Cell #3 S-2	1 - 4 oz jars	Cool	-010	X	X	X								
3/7/2016	13:53	Soil	VZ Cell #3 S-3	1 - 4 oz jars	Cool	-011	X	X	X								
3/7/2016	14:07	Soil	VZ Cell #3 S-4	1 - 4 oz jars	Cool	-012	X	X	X								
3/7/2016	14:25	Soil	VZ Cell #4 S-1	1 - 4 oz jars	Cool	-013	X	X	X								
3/7/2016	14:38	Soil	VZ Cell #4 S-2	1 - 4 oz jars	Cool	-014	X	X	X								
3/7/2016	14:50	Soil	VZ Cell #4 S-3	1 - 4 oz jars	Cool	-015	X	X	X								
3/7/2016	15:02	Soil	VZ Cell #4 S-4	1 - 4 oz jars	Cool	-016	X	X	X								

Date:	Time:	Relinquished by:	Received by:	Date	Time
3/8/16	1640			3/8/16	1640
3/8/16	1829			03/09/16	0715

Remarks: Call if questions.

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

March 14, 2016

Stephanie Hinds

Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX (505) 324-2022

RE: BMG Landfarm OrderNo.: 1603458

Dear Stephanie Hinds:

Hall Environmental Analysis Laboratory received 4 sample(s) on 3/9/2016 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 qualifers 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 #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1603458**
Date Reported: **3/14/2016**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 TZ CS-1
Project: BMG Landfarm
Collection Date: 3/7/2016 9:36:00 AM
Lab ID: 1603458-001 **Matrix:** SOIL **Received Date:** 3/9/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **TOM**	
Petroleum Hydrocarbons, TR	1300	200		mg/Kg	10	3/10/2016	24126
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	45	30		mg/Kg	20	3/11/2016 12:26:42 AM	24209

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 TZ CS-1
Project: BMG Landfarm
Collection Date: 3/7/2016 9:52:00 AM
Lab ID: 1603458-002
Matrix: SOIL
Received Date: 3/9/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **TOM**	
Petroleum Hydrocarbons, TR	2600	200		mg/Kg	10	3/10/2016	24126
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	3/11/2016 12:39:07 AM	24209

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 TZ CS-1
Project: BMG Landfarm
Collection Date: 3/7/2016 10:10:00 AM
Lab ID: 1603458-003
Matrix: SOIL
Received Date: 3/9/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **TOM**	
Petroleum Hydrocarbons, TR	2900	190		mg/Kg	10	3/10/2016	24126
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	3/11/2016 12:51:31 AM	24209

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 TZ CS-1
Project: BMG Landfarm
Collection Date: 3/7/2016 10:25:00 AM
Lab ID: 1603458-004
Matrix: SOIL
Received Date: 3/9/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **TOM**	
Petroleum Hydrocarbons, TR	190	19		mg/Kg	1	3/10/2016	24126
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	3/11/2016 1:28:45 AM	24209

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1603458**

14-Mar-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-24209**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**24209**	RunNo:	**32710**					
Prep Date:	**3/10/2016**	Analysis Date:	**3/10/2016**	SeqNo:	**1001921**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-24209**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**24209**	RunNo:	**32710**					
Prep Date:	**3/10/2016**	Analysis Date:	**3/10/2016**	SeqNo:	**1001922**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.1	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1603458**

14-Mar-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-24126**	SampType:	**MBLK**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**PBS**	Batch ID:	**24126**	RunNo:	**32712**					
Prep Date:	**3/8/2016**	Analysis Date:	**3/10/2016**	SeqNo:	**1001151**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	**LCS-24126**	SampType:	**LCS**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS**	Batch ID:	**24126**	RunNo:	**32712**					
Prep Date:	**3/8/2016**	Analysis Date:	**3/10/2016**	SeqNo:	**1001152**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	100	20	100.0	0	100	83.4	127			

Sample ID	**LCSD-24126**	SampType:	**LCSD**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS02**	Batch ID:	**24126**	RunNo:	**32712**					
Prep Date:	**3/8/2016**	Analysis Date:	**3/10/2016**	SeqNo:	**1001153**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	100	20	100.0	0	101	83.4	127	1.40	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1603458 RcptNo: 1

Received by/date: 03/09/16

Logged By: Lindsay Mangin 3/9/2016 7:15:00 AM

Completed By: Lindsay Mangin 3/9/2016 9:18:27 AM

Reviewed By: 03/09/16

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.1	Good	Yes			

Chain-of-Custody Record

Client: **Animas Environmental Services**

Mailing Address: **604 W. Pinon Street**
Farmington, NM 87401

Phone #: **505-564-2281**

email or Fax#: shinds@animasenvironmental.com

QA/QC Package:
X Standard □ Level 4 (Full Validation)

Accreditation:
□ NELAP □ Other_____

□ EDD (Type)_____

Turn-Around Time:
X Standard □ Rush_____

Project Name: **BMG Landfarm**

Project #: **AES 040605**

Project Manager: **Stephanie Hinds**

Sampler: S. Glasses/J. Sandoval

On Ice: X Yes □ No

Sample Temperature: 1.1

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1603458	Chlorides 300.0	TPH 418.1								Air Bubbles (Y or N)
3/7/2016	9:36	Soil	Cell #1 TZ CS-1	1 - 4 oz jars	Cool	-001	X	X								
3/7/2016	9:52	Soil	Cell #2 TZ CS-1	1 - 4 oz jars	Cool	-002	X	X								
3/7/2016	10:10	Soil	Cell #3 TZ CS-1	1 - 4 oz jars	Cool	-003	X	X								
3/7/2016	10:25	Soil	Cell #4 TZ CS-1	1 - 4 oz jars	Cool	-004	X	X								

Date: 3/8/16	Time: 1640	Relinquished by:	Received by:	Date Time 3/8/16 1640	Remarks: Call if questions.
Date: 3/8/16	Time: 1829	Relinquished by:	Received by:	Date Time 03/09/16 0715	

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

June 28, 2016

Elizabeth McNally

Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG Landfarm OrderNo.: 1606A52

Dear Elizabeth McNally:

Hall Environmental Analysis Laboratory received 16 sample(s) on 6/17/2016 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 qualifers 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 #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #1 S-1
Project: BMG Landfarm
Collection Date: 6/16/2016 9:35:00 AM
Lab ID: 1606A52-001 **Matrix:** SOIL **Received Date:** 6/17/2016 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **DJF**
Benzene	ND	0.025		mg/Kg	1	6/21/2016 4:08:56 PM
Toluene	ND	0.049		mg/Kg	1	6/21/2016 4:08:56 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/21/2016 4:08:56 PM
Xylenes, Total	ND	0.099		mg/Kg	1	6/21/2016 4:08:56 PM
Surr: 4-Bromofluorobenzene	113	80-120		%Rec	1	6/21/2016 4:08:56 PM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	150	30		mg/Kg	20	6/23/2016 2:09:05 AM
EPA METHOD 418.1: TPH						Analyst: **TOM**
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	6/23/2016

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #1 S-2
Project: BMG Landfarm
Collection Date: 6/16/2016 9:51:00 AM
Lab ID: 1606A52-002
Matrix: SOIL
Received Date: 6/17/2016 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **DJF**
Benzene	ND	0.023		mg/Kg	1	6/21/2016 4:33:40 PM
Toluene	ND	0.047		mg/Kg	1	6/21/2016 4:33:40 PM
Ethylbenzene	ND	0.047		mg/Kg	1	6/21/2016 4:33:40 PM
Xylenes, Total	ND	0.093		mg/Kg	1	6/21/2016 4:33:40 PM
Surr: 4-Bromofluorobenzene	116	80-120		%Rec	1	6/21/2016 4:33:40 PM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	ND	30		mg/Kg	20	6/23/2016 2:46:18 AM
EPA METHOD 418.1: TPH						Analyst: **TOM**
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	6/23/2016

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #1 S-3
Project: BMG Landfarm
Collection Date: 6/16/2016 10:04:00 AM
Lab ID: 1606A52-003
Matrix: SOIL
Received Date: 6/17/2016 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **DJF**
Benzene	ND	0.023		mg/Kg	1	6/21/2016 10:40:36 PM
Toluene	ND	0.047		mg/Kg	1	6/21/2016 10:40:36 PM
Ethylbenzene	ND	0.047		mg/Kg	1	6/21/2016 10:40:36 PM
Xylenes, Total	ND	0.093		mg/Kg	1	6/21/2016 10:40:36 PM
Surr: 4-Bromofluorobenzene	111	80-120		%Rec	1	6/21/2016 10:40:36 PM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	66	30		mg/Kg	20	6/23/2016 2:58:42 AM
EPA METHOD 418.1: TPH						Analyst: **TOM**
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	6/23/2016

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #1 S-4
Project: BMG Landfarm
Collection Date: 6/16/2016 10:16:00 AM
Lab ID: 1606A52-004
Matrix: SOIL
Received Date: 6/17/2016 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **DJF**
Benzene	ND	0.023		mg/Kg	1	6/21/2016 11:04:49 PM
Toluene	ND	0.046		mg/Kg	1	6/21/2016 11:04:49 PM
Ethylbenzene	ND	0.046		mg/Kg	1	6/21/2016 11:04:49 PM
Xylenes, Total	ND	0.092		mg/Kg	1	6/21/2016 11:04:49 PM
Surr: 4-Bromofluorobenzene	110	80-120		%Rec	1	6/21/2016 11:04:49 PM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	ND	30		mg/Kg	20	6/23/2016 3:11:07 AM
EPA METHOD 418.1: TPH						Analyst: **TOM**
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	6/23/2016

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #2 S-1
Project: BMG Landfarm
Collection Date: 6/16/2016 10:30:00 AM
Lab ID: 1606A52-005 **Matrix:** SOIL **Received Date:** 6/17/2016 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **DJF**
Benzene	ND	0.025		mg/Kg	1	6/21/2016 11:29:02 PM
Toluene	ND	0.050		mg/Kg	1	6/21/2016 11:29:02 PM
Ethylbenzene	ND	0.050		mg/Kg	1	6/21/2016 11:29:02 PM
Xylenes, Total	ND	0.099		mg/Kg	1	6/21/2016 11:29:02 PM
Surr: 4-Bromofluorobenzene	108	80-120		%Rec	1	6/21/2016 11:29:02 PM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	52	30		mg/Kg	20	6/23/2016 3:23:32 AM
EPA METHOD 418.1: TPH						Analyst: **TOM**
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	6/23/2016

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #2 S-2
Project: BMG Landfarm
Collection Date: 6/16/2016 10:42:00 AM
Lab ID: 1606A52-006
Matrix: SOIL
Received Date: 6/17/2016 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **DJF**
Benzene	ND	0.023		mg/Kg	1	6/21/2016 11:53:22 PM
Toluene	ND	0.046		mg/Kg	1	6/21/2016 11:53:22 PM
Ethylbenzene	ND	0.046		mg/Kg	1	6/21/2016 11:53:22 PM
Xylenes, Total	ND	0.092		mg/Kg	1	6/21/2016 11:53:22 PM
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	6/21/2016 11:53:22 PM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	ND	30		mg/Kg	20	6/23/2016 3:35:56 AM
EPA METHOD 418.1: TPH						Analyst: **TOM**
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	6/23/2016

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #2 S-3
Project: BMG Landfarm
Collection Date: 6/16/2016 10:55:00 AM
Lab ID: 1606A52-007
Matrix: SOIL
Received Date: 6/17/2016 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **DJF**
Benzene	ND	0.024		mg/Kg	1	6/22/2016 12:17:42 AM
Toluene	ND	0.047		mg/Kg	1	6/22/2016 12:17:42 AM
Ethylbenzene	ND	0.047		mg/Kg	1	6/22/2016 12:17:42 AM
Xylenes, Total	ND	0.095		mg/Kg	1	6/22/2016 12:17:42 AM
Surr: 4-Bromofluorobenzene	108	80-120		%Rec	1	6/22/2016 12:17:42 AM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	ND	30		mg/Kg	20	6/23/2016 3:48:20 AM
EPA METHOD 418.1: TPH						Analyst: **TOM**
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	6/23/2016

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #2 S-4
Project: BMG Landfarm
Collection Date: 6/16/2016 11:08:00 AM
Lab ID: 1606A52-008
Matrix: SOIL
Received Date: 6/17/2016 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **DJF**
Benzene	ND	0.023		mg/Kg	1	6/22/2016 12:41:59 AM
Toluene	ND	0.046		mg/Kg	1	6/22/2016 12:41:59 AM
Ethylbenzene	ND	0.046		mg/Kg	1	6/22/2016 12:41:59 AM
Xylenes, Total	ND	0.092		mg/Kg	1	6/22/2016 12:41:59 AM
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	6/22/2016 12:41:59 AM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	ND	30		mg/Kg	20	6/23/2016 4:00:45 AM
EPA METHOD 418.1: TPH						Analyst: **TOM**
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	6/23/2016

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #3 S-1
Project: BMG Landfarm
Collection Date: 6/16/2016 11:25:00 AM
Lab ID: 1606A52-009
Matrix: SOIL
Received Date: 6/17/2016 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **DJF**
Benzene	ND	0.023		mg/Kg	1	6/22/2016 1:06:20 AM
Toluene	ND	0.046		mg/Kg	1	6/22/2016 1:06:20 AM
Ethylbenzene	ND	0.046		mg/Kg	1	6/22/2016 1:06:20 AM
Xylenes, Total	ND	0.093		mg/Kg	1	6/22/2016 1:06:20 AM
Surr: 4-Bromofluorobenzene	109	80-120		%Rec	1	6/22/2016 1:06:20 AM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	ND	30		mg/Kg	20	6/23/2016 4:13:10 AM
EPA METHOD 418.1: TPH						Analyst: **TOM**
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	6/23/2016

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #3 S-2
Project: BMG Landfarm
Collection Date: 6/16/2016 11:35:00 AM
Lab ID: 1606A52-010
Matrix: SOIL
Received Date: 6/17/2016 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **DJF**
Benzene	ND	0.024		mg/Kg	1	6/22/2016 1:30:36 AM
Toluene	ND	0.047		mg/Kg	1	6/22/2016 1:30:36 AM
Ethylbenzene	ND	0.047		mg/Kg	1	6/22/2016 1:30:36 AM
Xylenes, Total	ND	0.095		mg/Kg	1	6/22/2016 1:30:36 AM
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	6/22/2016 1:30:36 AM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	ND	30		mg/Kg	20	6/23/2016 4:25:35 AM
EPA METHOD 418.1: TPH						Analyst: **TOM**
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	6/23/2016

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #3 S-3
Project: BMG Landfarm
Collection Date: 6/16/2016 11:47:00 AM
Lab ID: 1606A52-011
Matrix: SOIL
Received Date: 6/17/2016 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **DJF**
Benzene	ND	0.024		mg/Kg	1	6/22/2016 1:54:48 AM
Toluene	ND	0.049		mg/Kg	1	6/22/2016 1:54:48 AM
Ethylbenzene	ND	0.049		mg/Kg	1	6/22/2016 1:54:48 AM
Xylenes, Total	ND	0.098		mg/Kg	1	6/22/2016 1:54:48 AM
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	6/22/2016 1:54:48 AM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	ND	30		mg/Kg	20	6/23/2016 4:37:59 AM
EPA METHOD 418.1: TPH						Analyst: **TOM**
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	6/23/2016

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #3 S-4
Project: BMG Landfarm
Collection Date: 6/16/2016 12:02:00 PM
Lab ID: 1606A52-012
Matrix: SOIL
Received Date: 6/17/2016 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **DJF**
Benzene	ND	0.023		mg/Kg	1	6/22/2016 2:18:57 AM
Toluene	ND	0.046		mg/Kg	1	6/22/2016 2:18:57 AM
Ethylbenzene	ND	0.046		mg/Kg	1	6/22/2016 2:18:57 AM
Xylenes, Total	ND	0.092		mg/Kg	1	6/22/2016 2:18:57 AM
Surr: 4-Bromofluorobenzene	88.0	80-120		%Rec	1	6/22/2016 2:18:57 AM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	ND	30		mg/Kg	20	6/23/2016 5:15:13 AM
EPA METHOD 418.1: TPH						Analyst: **TOM**
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	6/23/2016

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #4 S-1
Project: BMG Landfarm
Collection Date: 6/16/2016 12:20:00 PM
Lab ID: 1606A52-013 **Matrix:** SOIL **Received Date:** 6/17/2016 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **DJF**
Benzene	ND	0.024		mg/Kg	1	6/22/2016 3:55:54 AM
Toluene	ND	0.047		mg/Kg	1	6/22/2016 3:55:54 AM
Ethylbenzene	ND	0.047		mg/Kg	1	6/22/2016 3:55:54 AM
Xylenes, Total	ND	0.095		mg/Kg	1	6/22/2016 3:55:54 AM
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	6/22/2016 3:55:54 AM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	ND	30		mg/Kg	20	6/23/2016 5:27:37 AM
EPA METHOD 418.1: TPH						Analyst: **TOM**
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	6/23/2016

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #4 S-2
Project: BMG Landfarm
Collection Date: 6/16/2016 12:30:00 PM
Lab ID: 1606A52-014
Matrix: SOIL
Received Date: 6/17/2016 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **DJF**
Benzene	ND	0.023		mg/Kg	1	6/22/2016 4:20:07 AM
Toluene	ND	0.047		mg/Kg	1	6/22/2016 4:20:07 AM
Ethylbenzene	ND	0.047		mg/Kg	1	6/22/2016 4:20:07 AM
Xylenes, Total	ND	0.094		mg/Kg	1	6/22/2016 4:20:07 AM
Surr: 4-Bromofluorobenzene	108	80-120		%Rec	1	6/22/2016 4:20:07 AM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	ND	30		mg/Kg	20	6/23/2016 5:40:01 AM
EPA METHOD 418.1: TPH						Analyst: **TOM**
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	6/23/2016

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #4 S-3
Project: BMG Landfarm
Collection Date: 6/16/2016 12:42:00 PM
Lab ID: 1606A52-015
Matrix: SOIL
Received Date: 6/17/2016 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **DJF**
Benzene	ND	0.024		mg/Kg	1	6/22/2016 4:44:23 AM
Toluene	ND	0.048		mg/Kg	1	6/22/2016 4:44:23 AM
Ethylbenzene	ND	0.048		mg/Kg	1	6/22/2016 4:44:23 AM
Xylenes, Total	ND	0.096		mg/Kg	1	6/22/2016 4:44:23 AM
Surr: 4-Bromofluorobenzene	110	80-120		%Rec	1	6/22/2016 4:44:23 AM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	ND	30		mg/Kg	20	6/23/2016 10:00:08 PM
EPA METHOD 418.1: TPH						Analyst: **TOM**
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	6/23/2016

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: VZ Cell #4 S-4
Project: BMG Landfarm
Collection Date: 6/16/2016 12:54:00 PM
Lab ID: 1606A52-016
Matrix: SOIL
Received Date: 6/17/2016 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **DJF**
Benzene	ND	0.023		mg/Kg	1	6/22/2016 5:08:37 AM
Toluene	ND	0.046		mg/Kg	1	6/22/2016 5:08:37 AM
Ethylbenzene	ND	0.046		mg/Kg	1	6/22/2016 5:08:37 AM
Xylenes, Total	ND	0.093		mg/Kg	1	6/22/2016 5:08:37 AM
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	6/22/2016 5:08:37 AM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	ND	30		mg/Kg	20	6/23/2016 10:37:22 PM
EPA METHOD 418.1: TPH						Analyst: **TOM**
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	6/23/2016

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1606A52**

28-Jun-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-26020**	SampType:	**MBLK**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**PBS**	Batch ID:	**26020**		RunNo:	**35114**				
Prep Date:	**6/22/2016**	Analysis Date:	**6/22/2016**		SeqNo:	**1086467**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-26020**	SampType:	**LCS**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**LCSS**	Batch ID:	**26020**		RunNo:	**35114**				
Prep Date:	**6/22/2016**	Analysis Date:	**6/22/2016**		SeqNo:	**1086468**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.2	90	110			

Sample ID	**MB-26042**	SampType:	**MBLK**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**PBS**	Batch ID:	**26042**		RunNo:	**35149**				
Prep Date:	**6/23/2016**	Analysis Date:	**6/23/2016**		SeqNo:	**1087334**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-26042**	SampType:	**LCS**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**LCSS**	Batch ID:	**26042**		RunNo:	**35149**				
Prep Date:	**6/23/2016**	Analysis Date:	**6/23/2016**		SeqNo:	**1087335**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.6	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1606A52**

28-Jun-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-25996**	SampType:	**MBLK**		TestCode:	**EPA Method 418.1: TPH**				
Client ID:	**PBS**	Batch ID:	**25996**		RunNo:	**35151**				
Prep Date:	**6/22/2016**	Analysis Date:	**6/23/2016**		SeqNo:	**1087694**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	**LCS-25996**	SampType:	**LCS**		TestCode:	**EPA Method 418.1: TPH**				
Client ID:	**LCSS**	Batch ID:	**25996**		RunNo:	**35151**				
Prep Date:	**6/22/2016**	Analysis Date:	**6/23/2016**		SeqNo:	**1087695**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	96	20	100.0	0	95.7	83.4	127			

Sample ID	**MB-25997**	SampType:	**MBLK**		TestCode:	**EPA Method 418.1: TPH**				
Client ID:	**PBS**	Batch ID:	**25997**		RunNo:	**35151**				
Prep Date:	**6/22/2016**	Analysis Date:	**6/23/2016**		SeqNo:	**1087718**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	**LCS-25997**	SampType:	**LCS**		TestCode:	**EPA Method 418.1: TPH**				
Client ID:	**LCSS**	Batch ID:	**25997**		RunNo:	**35151**				
Prep Date:	**6/22/2016**	Analysis Date:	**6/23/2016**		SeqNo:	**1087719**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	97	20	100.0	0	97.0	83.4	127			

Sample ID	**LCSD-25997**	SampType:	**LCSD**		TestCode:	**EPA Method 418.1: TPH**				
Client ID:	**LCSS02**	Batch ID:	**25997**		RunNo:	**35151**				
Prep Date:	**6/22/2016**	Analysis Date:	**6/23/2016**		SeqNo:	**1087720**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	96	20	100.0	0	95.7	83.4	127	1.38	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1606A52**

28-Jun-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **MB-25948**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **25948**	RunNo: **35050**
Prep Date: **6/20/2016**	Analysis Date: **6/21/2016**	SeqNo: **1084239** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		113	80	120			

Sample ID **LCS-25948**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **25948**	RunNo: **35050**
Prep Date: **6/20/2016**	Analysis Date: **6/21/2016**	SeqNo: **1084240** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	97.5	75.3	123			
Toluene	0.85	0.050	1.000	0	84.7	80	124			
Ethylbenzene	0.83	0.050	1.000	0	83.3	82.8	121			
Xylenes, Total	2.5	0.10	3.000	0	83.8	83.9	122			S
Surr: 4-Bromofluorobenzene	1.1		1.000		113	80	120			

Sample ID **1606A52-001AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **VZ Cell #1 S-1**	Batch ID: **25948**	RunNo: **35050**
Prep Date: **6/20/2016**	Analysis Date: **6/21/2016**	SeqNo: **1084242** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	0.9960	0	95.1	71.5	122			
Toluene	0.85	0.050	0.9960	0.007206	84.6	71.2	123			
Ethylbenzene	0.84	0.050	0.9960	0	84.1	75.2	130			
Xylenes, Total	2.5	0.10	2.988	0.02577	82.9	72.4	131			
Surr: 4-Bromofluorobenzene	1.1		0.9960		113	80	120			

Sample ID **1606A52-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **VZ Cell #1 S-1**	Batch ID: **25948**	RunNo: **35050**
Prep Date: **6/20/2016**	Analysis Date: **6/21/2016**	SeqNo: **1084243** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.024	0.9747	0	117	71.5	122	18.2	20	
Toluene	1.0	0.049	0.9747	0.007206	102	71.2	123	16.2	20	
Ethylbenzene	1.0	0.049	0.9747	0	104	75.2	130	19.3	20	
Xylenes, Total	3.1	0.097	2.924	0.02577	104	72.4	131	20.3	20	R
Surr: 4-Bromofluorobenzene	1.0		0.9747		106	80	120	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1606A52** RcptNo: 1

Received by/date: 06/17/16
Logged By: **Lindsay Mangin** **6/17/2016 7:45:00 AM**
Completed By: **Lindsay Mangin** **6/20/2016 6:13:27 AM**
Reviewed By: 06/20/16

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by:

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

Client:	**Animas Environmental Services**
Mailing Address:	**604 W. Pinon Street**
	Farmington, NM 87401
Phone #:	**505-564-2281**
email or Fax#:	emcnally@animasenvironmental.co
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other_____
□ EDD (Type) _____	

Turn-Around Time:	
X Standard	□ Rush_____
Project Name:	**BMG Landfarm**
Project #:	**AES 040605**
Project Manager:	Elizabeth McNally
Sampler: S. Glasses/J. Sandoval	
On Ice:	X Yes □ No
Sample Temperature:	1.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1606A52	Analysis Request: BTEX 8021	Chlorides 300.0	TPH 418.1							Air Bubbles (Y or N)
6-16-16	0935	Soil	VZ Cell #1 S-1	1 - 4 oz jars	Cool	-001	X	X	X							
6-16-16	0951	Soil	VZ Cell #1 S-2	1 - 4 oz jars	Cool	-002	X	X	X							
6-16-16	1004	Soil	VZ Cell #1 S-3	1 - 4 oz jars	Cool	-003	X	X	X							
6-16-16	1016	Soil	VZ Cell #1 S-4	1 - 4 oz jars	Cool	-004	X	X	X							
6-16-16	1030	Soil	VZ Cell #2 S-1	1 - 4 oz jars	Cool	-005	X	X	X							
6-16-16	1042	Soil	VZ Cell #2 S-2	1 - 4 oz jars	Cool	-006	X	X	X							
6-16-16	1055	Soil	VZ Cell #2 S-3	1 - 4 oz jars	Cool	-007	X	X	X							
6-16-16	1108	Soil	VZ Cell #2 S-4	1 - 4 oz jars	Cool	-008	X	X	X							

(SEE OTHER SIDE)

06/17/16 0745

AT 06/17/16

Chain-of-Custody Record

Client: **Animas Environmental Services**

Mailing Address: **604 W. Pinon Street**
Farmington, NM 87401

Phone #: **505-564-2281**

email or Fax#: emcnally@animasenvironmental.co

QA/QC Package:
X Standard ☐ Level 4 (Full Validation)

Accreditation:
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
X Standard ☐ Rush

Project Name:
BMG Landfarm

Project #:
AES 040605

Project Manager:
Elizabeth McNally

Sampler: S. Glasses/J. Sandoval

On Ice: X Yes ☐ No

Sample Temperature: 1.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1606A52	BTEX 8021	Chlorides 300.0	TPH 418.1							Air Bubbles (Y or N)
6-16-16	1125	Soil	VZ Cell #3 S-1	1 - 4 oz jars	Cool	-009	X	X	X								
6-16-16	1135	Soil	VZ Cell #3 S-2	1 - 4 oz jars	Cool	-010	X	X	X								
6-16-16	1147	Soil	VZ Cell #3 S-3	1 - 4 oz jars	Cool	-011	X	X	X								
6-16-16	1202	Soil	VZ Cell #3 S-4	1 - 4 oz jars	Cool	-012	X	X	X								
6-16-16	1220	Soil	VZ Cell #4 S-1	1 - 4 oz jars	Cool	-013	X	X	X								
6-16-16	1230	Soil	VZ Cell #4 S-2	1 - 4 oz jars	Cool	-014	X	X	X								
6-16-16	1242	Soil	VZ Cell #4 S-3	1 - 4 oz jars	Cool	-015	X	X	X								
6-16-16	1254	Soil	VZ Cell #4 S-4	1 - 4 oz jars	Cool	-016	X	X	X								

Date:	Time:	Relinquished by:	Received by:	Date	Time
6-16-16	1520			06/17/16	0715
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Call if questions.

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

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

June 28, 2016

Elizabeth McNally

Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG Landfarm OrderNo.: 1606A53

Dear Elizabeth McNally:

Hall Environmental Analysis Laboratory received 5 sample(s) on 6/18/2016 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 qualifers 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 #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-1
Project: BMG Landfarm
Collection Date: 6/17/2016 11:16:00 AM
Lab ID: 1606A53-001 **Matrix:** AQUEOUS **Received Date:** 6/18/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	96	10		mg/L	20	6/20/2016 2:42:38 PM	R35034
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	769	20.0	*	mg/L	1	6/24/2016 4:19:00 PM	26029
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/26/2016 3:04:47 PM	A35190
Surr: BFB	102	70-130		%Rec	1	6/26/2016 3:04:47 PM	A35190
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/21/2016 1:15:16 AM	25942
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/21/2016 1:15:16 AM	25942
Surr: DNOP	130	70-141		%Rec	1	6/21/2016 1:15:16 AM	25942
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	1.0		µg/L	1	6/26/2016 3:04:47 PM	C35190
Toluene	ND	1.0		µg/L	1	6/26/2016 3:04:47 PM	C35190
Ethylbenzene	ND	1.0		µg/L	1	6/26/2016 3:04:47 PM	C35190
Xylenes, Total	ND	1.5		µg/L	1	6/26/2016 3:04:47 PM	C35190
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	6/26/2016 3:04:47 PM	C35190
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	6/26/2016 3:04:47 PM	C35190
Surr: Dibromofluoromethane	101	70-130		%Rec	1	6/26/2016 3:04:47 PM	C35190
Surr: Toluene-d8	91.5	70-130		%Rec	1	6/26/2016 3:04:47 PM	C35190

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-2
Project: BMG Landfarm
Collection Date: 6/17/2016 12:10:00 PM
Lab ID: 1606A53-002
Matrix: AQUEOUS
Received Date: 6/18/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	460	25	*	mg/L	50	6/23/2016 8:55:20 PM	B35156
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	1400	20.0	*	mg/L	1	6/24/2016 4:19:00 PM	26029
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/26/2016 4:30:19 PM	A35190
Surr: BFB	101	70-130		%Rec	1	6/26/2016 4:30:19 PM	A35190
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/21/2016 1:36:54 AM	25942
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/21/2016 1:36:54 AM	25942
Surr: DNOP	132	70-141		%Rec	1	6/21/2016 1:36:54 AM	25942
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	1.0		µg/L	1	6/26/2016 4:30:19 PM	C35190
Toluene	ND	1.0		µg/L	1	6/26/2016 4:30:19 PM	C35190
Ethylbenzene	ND	1.0		µg/L	1	6/26/2016 4:30:19 PM	C35190
Xylenes, Total	ND	1.5		µg/L	1	6/26/2016 4:30:19 PM	C35190
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	6/26/2016 4:30:19 PM	C35190
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	6/26/2016 4:30:19 PM	C35190
Surr: Dibromofluoromethane	101	70-130		%Rec	1	6/26/2016 4:30:19 PM	C35190
Surr: Toluene-d8	92.3	70-130		%Rec	1	6/26/2016 4:30:19 PM	C35190

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-3
Project: BMG Landfarm
Collection Date: 6/17/2016 9:40:00 AM
Lab ID: 1606A53-003
Matrix: AQUEOUS
Received Date: 6/18/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	22	10		mg/L	20	6/20/2016 3:32:17 PM	R35034
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	600	100	*D	mg/L	1	6/24/2016 4:19:00 PM	26029
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/26/2016 5:55:23 PM	A35190
Surr: BFB	96.3	70-130		%Rec	1	6/26/2016 5:55:23 PM	A35190
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/21/2016 1:58:23 AM	25942
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/21/2016 1:58:23 AM	25942
Surr: DNOP	134	70-141		%Rec	1	6/21/2016 1:58:23 AM	25942
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	1.0		µg/L	1	6/26/2016 5:55:23 PM	C35190
Toluene	ND	1.0		µg/L	1	6/26/2016 5:55:23 PM	C35190
Ethylbenzene	ND	1.0		µg/L	1	6/26/2016 5:55:23 PM	C35190
Xylenes, Total	ND	1.5		µg/L	1	6/26/2016 5:55:23 PM	C35190
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	6/26/2016 5:55:23 PM	C35190
Surr: 4-Bromofluorobenzene	99.4	70-130		%Rec	1	6/26/2016 5:55:23 PM	C35190
Surr: Dibromofluoromethane	103	70-130		%Rec	1	6/26/2016 5:55:23 PM	C35190
Surr: Toluene-d8	88.2	70-130		%Rec	1	6/26/2016 5:55:23 PM	C35190

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-4
Project: BMG Landfarm
Collection Date: 6/17/2016 10:33:00 AM
Lab ID: 1606A53-004
Matrix: AQUEOUS
Received Date: 6/18/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	290	10	*	mg/L	20	6/20/2016 3:57:06 PM	R35034
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	938	40.0	*D	mg/L	1	6/24/2016 4:19:00 PM	26029
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/26/2016 6:23:43 PM	A35190
Surr: BFB	101	70-130		%Rec	1	6/26/2016 6:23:43 PM	A35190
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/21/2016 2:20:02 AM	25942
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/21/2016 2:20:02 AM	25942
Surr: DNOP	140	70-141		%Rec	1	6/21/2016 2:20:02 AM	25942
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	1.0		µg/L	1	6/26/2016 6:23:43 PM	C35190
Toluene	ND	1.0		µg/L	1	6/26/2016 6:23:43 PM	C35190
Ethylbenzene	ND	1.0		µg/L	1	6/26/2016 6:23:43 PM	C35190
Xylenes, Total	ND	1.5		µg/L	1	6/26/2016 6:23:43 PM	C35190
Surr: 1,2-Dichloroethane-d4	96.7	70-130		%Rec	1	6/26/2016 6:23:43 PM	C35190
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	6/26/2016 6:23:43 PM	C35190
Surr: Dibromofluoromethane	102	70-130		%Rec	1	6/26/2016 6:23:43 PM	C35190
Surr: Toluene-d8	92.9	70-130		%Rec	1	6/26/2016 6:23:43 PM	C35190

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Trip Blank
Project: BMG Landfarm
Collection Date:
Lab ID: 1606A53-005
Matrix: TRIP BLANK
Received Date: 6/18/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	1.0		µg/L	1	6/26/2016 6:52:04 PM	C35190
Toluene	ND	1.0		µg/L	1	6/26/2016 6:52:04 PM	C35190
Ethylbenzene	ND	1.0		µg/L	1	6/26/2016 6:52:04 PM	C35190
Xylenes, Total	ND	1.5		µg/L	1	6/26/2016 6:52:04 PM	C35190
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	6/26/2016 6:52:04 PM	C35190
Surr: 4-Bromofluorobenzene	98.3	70-130		%Rec	1	6/26/2016 6:52:04 PM	C35190
Surr: Dibromofluoromethane	99.7	70-130		%Rec	1	6/26/2016 6:52:04 PM	C35190
Surr: Toluene-d8	91.4	70-130		%Rec	1	6/26/2016 6:52:04 PM	C35190

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1606A53**

28-Jun-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R35034**	RunNo:	**35034**					
Prep Date:		Analysis Date:	**6/20/2016**	SeqNo:	**1083148**	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:	**R35034**	RunNo:	**35034**					
Prep Date:		Analysis Date:	**6/20/2016**	SeqNo:	**1083149**	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	94.4	90	110			

Sample ID	**MB**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**B35156**	RunNo:	**35156**					
Prep Date:		Analysis Date:	**6/23/2016**	SeqNo:	**1087554**	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:	**B35156**	RunNo:	**35156**					
Prep Date:		Analysis Date:	**6/23/2016**	SeqNo:	**1087555**	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	94.9	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1606A53**
28-Jun-16

Client: Animas Environmental Services
Project: BMG Landfarm

Sample ID	**MB-25942**	SampType:	**MBLK**		TestCode:	**EPA Method 8015M/D: Diesel Range**				
Client ID:	**PBW**	Batch ID:	**25942**		RunNo:	**35010**				
Prep Date:	**6/20/2016**	Analysis Date:	**6/20/2016**		SeqNo:	**1082960**	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	1.2		1.000		119	70	141			

Sample ID	**LCS-25942**	SampType:	**LCS**		TestCode:	**EPA Method 8015M/D: Diesel Range**				
Client ID:	**LCSW**	Batch ID:	**25942**		RunNo:	**35010**				
Prep Date:	**6/20/2016**	Analysis Date:	**6/20/2016**		SeqNo:	**1082961**	Units:	**mg/L**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	5.2	1.0	5.000	0	105	71.3	139			
Surr: DNOP	0.54		0.5000		108	70	141			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1606A53**

28-Jun-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **C35190**	RunNo: **35190**
Prep Date:	Analysis Date: **6/26/2016**	SeqNo: **1088895** 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	1.5								
Surr: 1,2-Dichloroethane-d4	10		10.00		101	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130			
Surr: Dibromofluoromethane	9.9		10.00		98.6	70	130			
Surr: Toluene-d8	9.1		10.00		91.4	70	130			

Sample ID **1606a53-002a ms**	SampType: **MS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **MW-2**	Batch ID: **C35190**	RunNo: **35190**
Prep Date:	Analysis Date: **6/26/2016**	SeqNo: **1088899** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	24	1.0	20.00	0	118	70	130			
Toluene	20	1.0	20.00	0	97.8	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		101	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		103	70	130			
Surr: Dibromofluoromethane	10		10.00		100	70	130			
Surr: Toluene-d8	9.1		10.00		90.9	70	130			

Sample ID **1606a53-002a msd**	SampType: **MSD**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **MW-2**	Batch ID: **C35190**	RunNo: **35190**
Prep Date:	Analysis Date: **6/26/2016**	SeqNo: **1088900** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	23	1.0	20.00	0	114	70	130	2.87	20	
Toluene	19	1.0	20.00	0	97.2	70	130	0.688	20	
Surr: 1,2-Dichloroethane-d4	9.8		10.00		98.1	70	130	0	0	
Surr: 4-Bromofluorobenzene	10		10.00		103	70	130	0	0	
Surr: Dibromofluoromethane	10		10.00		101	70	130	0	0	
Surr: Toluene-d8	9.2		10.00		91.9	70	130	0	0	

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **C35190**	RunNo: **35190**
Prep Date:	Analysis Date: **6/26/2016**	SeqNo: **1089164** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	23	1.0	20.00	0	114	70	130			
Toluene	20	1.0	20.00	0	99.8	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1606A53**
28-Jun-16

Client: Animas Environmental Services
Project: BMG Landfarm

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **C35190**	RunNo: **35190**
Prep Date:	Analysis Date: **6/26/2016**	SeqNo: **1089164** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	9.8		10.00		98.2	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130			
Surr: Dibromofluoromethane	9.8		10.00		97.6	70	130			
Surr: Toluene-d8	9.3		10.00		93.3	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1606A53**

28-Jun-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBW**	Batch ID: **A35190**	RunNo: **35190**
Prep Date:	Analysis Date: **6/26/2016**	SeqNo: **1088870** 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	9.9		10.00		98.5	70	130			

Sample ID **1606a53-001a ms**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **MW-1**	Batch ID: **A35190**	RunNo: **35190**
Prep Date:	Analysis Date: **6/26/2016**	SeqNo: **1088875** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.45	0.050	0.5000	0	89.2	53.8	128			
Surr: BFB	9.8		10.00		98.1	70	130			

Sample ID **1606a53-001a msd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **MW-1**	Batch ID: **A35190**	RunNo: **35190**
Prep Date:	Analysis Date: **6/26/2016**	SeqNo: **1088876** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.43	0.050	0.5000	0	85.2	53.8	128	4.50	20	
Surr: BFB	10		10.00		100	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1606A53**
28-Jun-16

Client: Animas Environmental Services
Project: BMG Landfarm

Sample ID	**MB-26029**	SampType: **MBLK**			TestCode: **SM2540C MOD: Total Dissolved Solids**					
Client ID:	**PBW**	Batch ID: **26029**			RunNo: **35167**					
Prep Date:	**6/23/2016**	Analysis Date: **6/24/2016**			SeqNo: **1087816**		Units: **mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	**LCS-26029**	SampType: **LCS**			TestCode: **SM2540C MOD: Total Dissolved Solids**					
Client ID:	**LCSW**	Batch ID: **26029**			RunNo: **35167**					
Prep Date:	**6/23/2016**	Analysis Date: **6/24/2016**			SeqNo: **1087817**		Units: **mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1010	20.0	1000	0	101	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1606A53** RcptNo: **1**

Received by/date: 06/18/16

Logged By: **Lindsay Mangin** **6/18/2016 8:00:00 AM**

Completed By: **Lindsay Mangin** **6/20/2016 8:10:50 AM**

Reviewed By: 06/20/16

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
11. Were any sample containers received broken?	Yes ☐	No ☑	# of preserved bottles checked for pH:
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	(<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by:

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.9	Good	Yes			

Chain-of-Custody Record

Client:	**Animas Environmental Services**
Mailing Address:	**604 W. Pinon Street**
	Farmington, NM 87401
Phone #:	**505-564-2281**
email or Fax#:	emcnally@animasenvironmental.co
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other
□ EDD (Type)	

Turn-Around Time:

X Standard □ **Rush**

Project Name: **BMG Landfarm**

Project #: **AES 040605**

Project Manager: Elizabeth McNally

Sampler: S. Glasses

On Ice: X Yes / □ No

Sample Temperature: 4.9

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1606A53	BTEX 8021	TPH (GRO/DRO/MRO) 8015	TDS SM2540C	Chlorides 300.0	Air Bubbles (Y or N)
6-17-16	1116	H2O	MW-1	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-001	X	X	X	X	
6-17-16	1210	H2O	MW-2	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-002	X	X	X	X	
6-17-16	0940	H2O	MW-3	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-003	X	X	X	X	
6-17-16	1033	H2O	MW-4	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-004	X	X	X	X	
;		H2O	Trip Blank		Cold	-005	X				

Date: 6-17-16	Time: 1755	Relinquished by:	Received by:	Date 6/18/16	Time 0800
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

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

October 11, 2016

Elizabeth McNally

Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG Landfarm OrderNo.: 1609D93

Dear Elizabeth McNally:

Hall Environmental Analysis Laboratory received 6 sample(s) on 9/24/2016 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 qualifers 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 #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-1
Project: BMG Landfarm
Collection Date: 9/23/2016 1:50:00 PM
Lab ID: 1609D93-001
Matrix: AQUEOUS
Received Date: 9/24/2016 9:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **JME**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/29/2016 12:26:28 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/29/2016 12:26:28 AM
Surr: DNOP	119	77.1-144		%Rec	1	9/29/2016 12:26:28 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/26/2016 5:05:40 PM
Surr: BFB	92.6	66.4-120		%Rec	1	9/26/2016 5:05:40 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	9/26/2016 5:05:40 PM
Toluene	ND	1.0		µg/L	1	9/26/2016 5:05:40 PM
Ethylbenzene	ND	1.0		µg/L	1	9/26/2016 5:05:40 PM
Xylenes, Total	ND	2.0		µg/L	1	9/26/2016 5:05:40 PM
Surr: 4-Bromofluorobenzene	113	87.9-146		%Rec	1	9/26/2016 5:05:40 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	60	5.0		mg/L	10	9/27/2016 2:25:16 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	687	20.0	*	mg/L	1	10/4/2016 11:11:00 AM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-2
Project: BMG Landfarm
Collection Date: 9/23/2016 2:45:00 PM
Lab ID: 1609D93-002 **Matrix:** AQUEOUS **Received Date:** 9/24/2016 9:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **JME**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/29/2016 12:48:20 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/29/2016 12:48:20 AM
Surr: DNOP	116	77.1-144		%Rec	1	9/29/2016 12:48:20 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/26/2016 8:42:46 PM
Surr: BFB	88.1	66.4-120		%Rec	1	9/26/2016 8:42:46 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	9/26/2016 8:42:46 PM
Toluene	ND	1.0		µg/L	1	9/26/2016 8:42:46 PM
Ethylbenzene	ND	1.0		µg/L	1	9/26/2016 8:42:46 PM
Xylenes, Total	ND	2.0		µg/L	1	9/26/2016 8:42:46 PM
Surr: 4-Bromofluorobenzene	105	87.9-146		%Rec	1	9/26/2016 8:42:46 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	380	50	*	mg/L	100	9/27/2016 3:27:20 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	1230	40.0	*D	mg/L	1	10/4/2016 11:11:00 AM

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
R	RPD outside accepted recovery limits
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-3
Project: BMG Landfarm
Collection Date: 9/23/2016 12:19:00 PM
Lab ID: 1609D93-003
Matrix: AQUEOUS
Received Date: 9/24/2016 9:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **JME**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/29/2016 1:09:57 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/29/2016 1:09:57 AM
Surr: DNOP	120	77.1-144		%Rec	1	9/29/2016 1:09:57 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/26/2016 9:06:53 PM
Surr: BFB	87.1	66.4-120		%Rec	1	9/26/2016 9:06:53 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	9/26/2016 9:06:53 PM
Toluene	ND	1.0		µg/L	1	9/26/2016 9:06:53 PM
Ethylbenzene	ND	1.0		µg/L	1	9/26/2016 9:06:53 PM
Xylenes, Total	ND	2.0		µg/L	1	9/26/2016 9:06:53 PM
Surr: 4-Bromofluorobenzene	103	87.9-146		%Rec	1	9/26/2016 9:06:53 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	23	5.0		mg/L	10	9/27/2016 3:39:44 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	561	20.0	*	mg/L	1	10/4/2016 11:11:00 AM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-4
Project: BMG Landfarm
Collection Date: 9/23/2016 1:05:00 PM
Lab ID: 1609D93-004 **Matrix:** AQUEOUS **Received Date:** 9/24/2016 9:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **JME**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/29/2016 1:31:42 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/29/2016 1:31:42 AM
Surr: DNOP	118	77.1-144		%Rec	1	9/29/2016 1:31:42 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/26/2016 9:30:58 PM
Surr: BFB	90.5	66.4-120		%Rec	1	9/26/2016 9:30:58 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	9/26/2016 9:30:58 PM
Toluene	ND	1.0		µg/L	1	9/26/2016 9:30:58 PM
Ethylbenzene	ND	1.0		µg/L	1	9/26/2016 9:30:58 PM
Xylenes, Total	ND	2.0		µg/L	1	9/26/2016 9:30:58 PM
Surr: 4-Bromofluorobenzene	108	87.9-146		%Rec	1	9/26/2016 9:30:58 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	250	50		mg/L	100	9/27/2016 4:41:48 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	879	20.0	*	mg/L	1	10/4/2016 11:11:00 AM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Interstitial Well
Project: BMG Landfarm
Collection Date: 9/23/2016 3:15:00 PM
Lab ID: 1609D93-005 **Matrix:** AQUEOUS **Received Date:** 9/24/2016 9:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **JME**
Diesel Range Organics (DRO)	3.8	1.0		mg/L	1	9/29/2016 1:53:29 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/29/2016 1:53:29 AM
Surr: DNOP	115	77.1-144		%Rec	1	9/29/2016 1:53:29 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.50	D	mg/L	10	9/26/2016 9:55:00 PM
Surr: BFB	87.7	66.4-120	D	%Rec	10	9/26/2016 9:55:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	10	D	µg/L	10	9/26/2016 9:55:00 PM
Toluene	ND	10	D	µg/L	10	9/26/2016 9:55:00 PM
Ethylbenzene	ND	10	D	µg/L	10	9/26/2016 9:55:00 PM
Xylenes, Total	ND	20	D	µg/L	10	9/26/2016 9:55:00 PM
Surr: 4-Bromofluorobenzene	106	87.9-146	D	%Rec	10	9/26/2016 9:55:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	88000	5000	*	mg/L	10000	10/3/2016 9:00:08 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	138000	2000	*D	mg/L	1	10/4/2016 11:11:00 AM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Trip Blank
Project: BMG Landfarm
Collection Date:
Lab ID: 1609D93-006
Matrix: TRIP BLANK
Received Date: 9/24/2016 9:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	9/26/2016 10:43:03 PM
Toluene	ND	1.0		µg/L	1	9/26/2016 10:43:03 PM
Ethylbenzene	ND	1.0		µg/L	1	9/26/2016 10:43:03 PM
Xylenes, Total	ND	2.0		µg/L	1	9/26/2016 10:43:03 PM
Surr: 4-Bromofluorobenzene	111	87.9-146		%Rec	1	9/26/2016 10:43:03 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1609D93**

11-Oct-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**A37487**	RunNo:	**37487**					
Prep Date:		Analysis Date:	**9/27/2016**	SeqNo:	**1165867**	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:	**A37487**	RunNo:	**37487**					
Prep Date:		Analysis Date:	**9/27/2016**	SeqNo:	**1165868**	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	95.1	90	110			

Sample ID	**1609D93-001CMS**	SampType:	**ms**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**MW-1**	Batch ID:	**A37487**	RunNo:	**37487**					
Prep Date:		Analysis Date:	**9/27/2016**	SeqNo:	**1165874**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	110	5.0	50.00	59.52	110	81.9	117			

Sample ID	**1609D93-001CMSD**	SampType:	**msd**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**MW-1**	Batch ID:	**A37487**	RunNo:	**37487**					
Prep Date:		Analysis Date:	**9/27/2016**	SeqNo:	**1165875**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	110	5.0	50.00	59.52	108	81.9	117	1.18	20	

Sample ID	**MB**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R37656**	RunNo:	**37656**					
Prep Date:		Analysis Date:	**10/3/2016**	SeqNo:	**1172559**	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:	**R37656**	RunNo:	**37656**					
Prep Date:		Analysis Date:	**10/3/2016**	SeqNo:	**1172560**	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	96.6	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1609D93**

11-Oct-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-27760**	SampType:	**MBLK**	TestCode:	**EPA Method 8015M/D: Diesel Range**					
Client ID:	**PBW**	Batch ID:	**27760**	RunNo:	**37493**					
Prep Date:	**9/28/2016**	Analysis Date:	**9/28/2016**	SeqNo:	**1167285**	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	1.1		1.000		105	77.1	144			

Sample ID	**LCS-27760**	SampType:	**LCS**	TestCode:	**EPA Method 8015M/D: Diesel Range**					
Client ID:	**LCSW**	Batch ID:	**27760**	RunNo:	**37493**					
Prep Date:	**9/28/2016**	Analysis Date:	**9/28/2016**	SeqNo:	**1167407**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	5.7	1.0	5.000	0	113	63.2	155			
Surr: DNOP	0.52		0.5000		103	77.1	144			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1609D93**

11-Oct-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **RB**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBW**	Batch ID: **G37479**	RunNo: **37479**
Prep Date:	Analysis Date: **9/26/2016**	SeqNo: **1165438** 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	17		20.00		85.0	66.4	120			

Sample ID **2.5UG GRO LCS**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSW**	Batch ID: **G37479**	RunNo: **37479**
Prep Date:	Analysis Date: **9/26/2016**	SeqNo: **1165439** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.51	0.050	0.5000	0	103	80	120			
Surr: BFB	20		20.00		99.0	66.4	120			

Sample ID **1609D93-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **MW-1**	Batch ID: **G37479**	RunNo: **37479**
Prep Date:	Analysis Date: **9/26/2016**	SeqNo: **1165448** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.45	0.050	0.5000	0	90.8	70	130			
Surr: BFB	18		20.00		91.6	66.4	120			

Sample ID **1609D93-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **MW-1**	Batch ID: **G37479**	RunNo: **37479**
Prep Date:	Analysis Date: **9/26/2016**	SeqNo: **1165449** 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	87.5	70	130	3.68	20	
Surr: BFB	18		20.00		92.0	66.4	120	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1609D93**

11-Oct-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **RB**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBW**	Batch ID: **B37479**	RunNo: **37479**
Prep Date:	Analysis Date: **9/26/2016**	SeqNo: **1165462** 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	20		20.00		100	87.9	146			

Sample ID **100NG BTEX LCS**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSW**	Batch ID: **B37479**	RunNo: **37479**
Prep Date:	Analysis Date: **9/26/2016**	SeqNo: **1165463** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	95.1	80	120			
Toluene	19	1.0	20.00	0	96.4	80	120			
Ethylbenzene	18	1.0	20.00	0	91.6	80	120			
Xylenes, Total	54	2.0	60.00	0	89.9	80	120			
Surr: 4-Bromofluorobenzene	21		20.00		107	87.9	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1609D93**

11-Oct-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-27812**	SampType:	**MBLK**	TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**PBW**	Batch ID:	**27812**	RunNo:	**37657**					
Prep Date:	**9/30/2016**	Analysis Date:	**10/4/2016**	SeqNo:	**1172657**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	**LCS-27812**	SampType:	**LCS**	TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**LCSW**	Batch ID:	**27812**	RunNo:	**37657**					
Prep Date:	**9/30/2016**	Analysis Date:	**10/4/2016**	SeqNo:	**1172658**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1020	20.0	1000	0	102	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1609D93** RcptNo: **1**

Received by/date: 09/24/16

Logged By: **Lindsay Mangin** **9/24/2016 9:30:00 AM**

Completed By: **Lindsay Mangin** **9/24/2016 11:25:37 AM**

Reviewed By: JC 09/26/16

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.6	Good	Yes			

Chain-of-Custody Record

Client:	**Animas Environmental Services**
Mailing Address:	**604 W. Pinon Street**
	Farmington, NM 87401
Phone #:	**505-564-2281**
email or Fax#:	emcnally@animasenvironmental.co
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other_____
□ EDD (Type)_____	

Turn-Around Time: X Standard □ Rush_____

Project Name: **BMG Landfarm**

Project #: **AES 040605**

Project Manager: Elizabeth McNally

Sampler: SG

On Ice: X Yes □ No

Sample Temperature: 1.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1609193	BTEX 8021	TPH (GRO/DRO/MRO) 8015	TDS SM2540C	Chlorides 300.0							Air Bubbles (Y or N)
9/23/2016	13:50	H2O	MW-1	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-001	X	X	X	X							
9/23/2016	14:45	H2O	MW-2	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-002	X	X	X	X							
9/23/2016	12:19	H2O	MW-3	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-003	X	X	X	X							
9/23/2016	13:05	H2O	MW-4	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-004	X	X	X	X							
9/23/2016	15:15	H2O	Interstitial Well	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-005	X	X	X	X							
		H2O	Trip Blank		Cold	-006	X										

Date: 9/23/16	Time: 1739	Relinquished by:	Received by:	Date 9/23/16	Time 1739
Date: 9/23/16	Time: 1954	Relinquished by:	Received by:	Date 09/24/16	Time 0930

Remarks:

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

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

October 28, 2016

Elizabeth McNally

Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG Landfarm OrderNo.: 1609D94

Dear Elizabeth McNally:

Hall Environmental Analysis Laboratory received 16 sample(s) on 9/24/2016 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 qualifers 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 #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-1
Project: BMG Landfarm
Collection Date: 9/22/2016 10:09:00 AM
Lab ID: 1609D94-001 **Matrix:** SOIL **Received Date:** 9/24/2016 9:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/28/2016 12:00:16 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/28/2016 12:00:16 AM
Surr: DNOP	90.4	70-130		%Rec	1	9/28/2016 12:00:16 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/28/2016 10:32:14 PM
Surr: BFB	82.2	68.3-144		%Rec	1	9/28/2016 10:32:14 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	9/28/2016 10:32:14 PM
Toluene	ND	0.046		mg/Kg	1	9/28/2016 10:32:14 PM
Ethylbenzene	ND	0.046		mg/Kg	1	9/28/2016 10:32:14 PM
Xylenes, Total	ND	0.092		mg/Kg	1	9/28/2016 10:32:14 PM
Surr: 4-Bromofluorobenzene	94.4	80-120		%Rec	1	9/28/2016 10:32:14 PM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Fluoride	2.3	0.30		mg/Kg	1	10/7/2016 7:11:02 PM
Chloride	140	30		mg/Kg	20	10/6/2016 5:00:35 PM
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	10/7/2016 7:11:02 PM
Bromide	2.0	0.30		mg/Kg	1	10/7/2016 7:11:02 PM
Nitrogen, Nitrate (As N)	3.5	0.30		mg/Kg	1	10/7/2016 7:11:02 PM
Phosphorus, Orthophosphate (As P)	ND	1.5		mg/Kg	1	10/7/2016 7:11:02 PM
Sulfate	22	1.5		mg/Kg	1	10/7/2016 7:11:02 PM
EPA METHOD 7471: MERCURY						Analyst: **pmf**
Mercury	ND	0.033		mg/Kg	1	9/29/2016 10:53:30 AM
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**
Arsenic	ND	4.9		mg/Kg	2	10/1/2016 3:40:13 PM
Barium	110	0.20		mg/Kg	2	10/1/2016 3:40:13 PM
Cadmium	ND	0.20		mg/Kg	2	10/1/2016 3:40:13 PM
Calcium	4000	49		mg/Kg	2	10/1/2016 3:40:13 PM
Chromium	13	0.59		mg/Kg	2	10/1/2016 3:40:13 PM
Lead	4.8	0.49		mg/Kg	2	10/1/2016 3:40:13 PM
Magnesium	2600	49		mg/Kg	2	10/1/2016 3:40:13 PM
Potassium	2100	98		mg/Kg	2	10/1/2016 3:40:13 PM
Selenium	ND	4.9		mg/Kg	2	10/1/2016 3:40:13 PM
Silver	ND	0.49		mg/Kg	2	10/1/2016 3:40:13 PM
Sodium	88	49		mg/Kg	2	10/1/2016 3:40:13 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-2
Project: BMG Landfarm
Collection Date: 9/22/2016 10:42:00 AM
Lab ID: 1609D94-002 **Matrix:** SOIL **Received Date:** 9/24/2016 9:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/28/2016 1:22:26 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/28/2016 1:22:26 AM
Surr: DNOP	93.1	70-130		%Rec	1	9/28/2016 1:22:26 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/28/2016 11:42:10 PM
Surr: BFB	81.6	68.3-144		%Rec	1	9/28/2016 11:42:10 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	9/28/2016 11:42:10 PM
Toluene	ND	0.050		mg/Kg	1	9/28/2016 11:42:10 PM
Ethylbenzene	ND	0.050		mg/Kg	1	9/28/2016 11:42:10 PM
Xylenes, Total	ND	0.10		mg/Kg	1	9/28/2016 11:42:10 PM
Surr: 4-Bromofluorobenzene	95.2	80-120		%Rec	1	9/28/2016 11:42:10 PM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Fluoride	1.7	0.30		mg/Kg	1	10/7/2016 7:23:27 PM
Chloride	99	30		mg/Kg	20	10/6/2016 5:37:49 PM
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	10/7/2016 7:23:27 PM
Bromide	0.62	0.30		mg/Kg	1	10/7/2016 7:23:27 PM
Nitrogen, Nitrate (As N)	4.5	0.30		mg/Kg	1	10/7/2016 7:23:27 PM
Phosphorus, Orthophosphate (As P)	ND	1.5		mg/Kg	1	10/7/2016 7:23:27 PM
Sulfate	33	1.5		mg/Kg	1	10/7/2016 7:23:27 PM
EPA METHOD 7471: MERCURY						Analyst: **pmf**
Mercury	ND	0.033		mg/Kg	1	9/29/2016 10:58:48 AM
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**
Arsenic	ND	5.0		mg/Kg	2	10/1/2016 3:51:12 PM
Barium	120	0.20		mg/Kg	2	10/1/2016 3:51:12 PM
Cadmium	ND	0.20		mg/Kg	2	10/1/2016 3:51:12 PM
Calcium	6000	50		mg/Kg	2	10/1/2016 3:51:12 PM
Chromium	13	0.60		mg/Kg	2	10/1/2016 3:51:12 PM
Lead	4.5	0.50		mg/Kg	2	10/1/2016 3:51:12 PM
Magnesium	2600	50		mg/Kg	2	10/1/2016 3:51:12 PM
Potassium	1800	100		mg/Kg	2	10/1/2016 3:51:12 PM
Selenium	ND	5.0		mg/Kg	2	10/1/2016 3:51:12 PM
Silver	ND	0.50		mg/Kg	2	10/1/2016 3:51:12 PM
Sodium	56	50		mg/Kg	2	10/1/2016 3:51:12 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-3
Project: BMG Landfarm
Collection Date: 9/22/2016 10:55:00 AM
Lab ID: 1609D94-003 **Matrix:** SOIL **Received Date:** 9/24/2016 9:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/28/2016 1:49:43 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/28/2016 1:49:43 AM
Surr: DNOP	92.1	70-130		%Rec	1	9/28/2016 1:49:43 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/29/2016 12:52:16 AM
Surr: BFB	81.7	68.3-144		%Rec	1	9/29/2016 12:52:16 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	9/29/2016 12:52:16 AM
Toluene	ND	0.050		mg/Kg	1	9/29/2016 12:52:16 AM
Ethylbenzene	ND	0.050		mg/Kg	1	9/29/2016 12:52:16 AM
Xylenes, Total	ND	0.10		mg/Kg	1	9/29/2016 12:52:16 AM
Surr: 4-Bromofluorobenzene	96.1	80-120		%Rec	1	9/29/2016 12:52:16 AM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Fluoride	1.2	0.30		mg/Kg	1	10/7/2016 7:35:52 PM
Chloride	20	1.5		mg/Kg	1	10/7/2016 7:35:52 PM
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	10/7/2016 7:35:52 PM
Bromide	ND	0.30		mg/Kg	1	10/7/2016 7:35:52 PM
Nitrogen, Nitrate (As N)	5.6	0.30		mg/Kg	1	10/7/2016 7:35:52 PM
Phosphorus, Orthophosphate (As P)	ND	1.5		mg/Kg	1	10/7/2016 7:35:52 PM
Sulfate	14	1.5		mg/Kg	1	10/7/2016 7:35:52 PM
EPA METHOD 7471: MERCURY						Analyst: **pmf**
Mercury	ND	0.033		mg/Kg	1	9/29/2016 11:00:35 AM
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**
Arsenic	2.8	2.4		mg/Kg	1	10/1/2016 4:00:38 PM
Barium	74	0.098		mg/Kg	1	10/1/2016 4:00:38 PM
Cadmium	ND	0.098		mg/Kg	1	10/1/2016 4:00:38 PM
Calcium	2700	49		mg/Kg	2	10/1/2016 4:02:37 PM
Chromium	5.9	0.29		mg/Kg	1	10/1/2016 4:00:38 PM
Lead	3.3	0.24		mg/Kg	1	10/1/2016 4:00:38 PM
Magnesium	1600	49		mg/Kg	2	10/1/2016 4:02:37 PM
Potassium	1100	98		mg/Kg	2	10/1/2016 4:02:37 PM
Selenium	ND	2.4		mg/Kg	1	10/12/2016 1:44:15 PM
Silver	ND	0.24		mg/Kg	1	10/1/2016 4:00:38 PM
Sodium	ND	49		mg/Kg	2	10/1/2016 4:02:37 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-4
Project: BMG Landfarm
Collection Date: 9/22/2016 11:10:00 AM
Lab ID: 1609D94-004 **Matrix:** SOIL **Received Date:** 9/24/2016 9:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/28/2016 2:16:57 AM
Motor Oil Range Organics (MRO)	ND	51		mg/Kg	1	9/28/2016 2:16:57 AM
Surr: DNOP	92.3	70-130		%Rec	1	9/28/2016 2:16:57 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/29/2016 1:15:37 AM
Surr: BFB	81.3	68.3-144		%Rec	1	9/29/2016 1:15:37 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	9/29/2016 1:15:37 AM
Toluene	ND	0.046		mg/Kg	1	9/29/2016 1:15:37 AM
Ethylbenzene	ND	0.046		mg/Kg	1	9/29/2016 1:15:37 AM
Xylenes, Total	ND	0.091		mg/Kg	1	9/29/2016 1:15:37 AM
Surr: 4-Bromofluorobenzene	94.2	80-120		%Rec	1	9/29/2016 1:15:37 AM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Fluoride	0.55	0.30		mg/Kg	1	10/7/2016 7:48:17 PM
Chloride	ND	1.5		mg/Kg	1	10/7/2016 7:48:17 PM
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	10/7/2016 7:48:17 PM
Bromide	ND	0.30		mg/Kg	1	10/7/2016 7:48:17 PM
Nitrogen, Nitrate (As N)	1.9	0.30		mg/Kg	1	10/7/2016 7:48:17 PM
Phosphorus, Orthophosphate (As P)	ND	1.5		mg/Kg	1	10/7/2016 7:48:17 PM
Sulfate	3.3	1.5		mg/Kg	1	10/7/2016 7:48:17 PM
EPA METHOD 7471: MERCURY						Analyst: **pmf**
Mercury	ND	0.033		mg/Kg	1	9/29/2016 11:02:23 AM
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**
Arsenic	3.1	2.5		mg/Kg	1	10/1/2016 4:06:05 PM
Barium	49	0.10		mg/Kg	1	10/1/2016 4:06:05 PM
Cadmium	ND	0.10		mg/Kg	1	10/1/2016 4:06:05 PM
Calcium	5400	50		mg/Kg	2	10/1/2016 4:08:02 PM
Chromium	4.0	0.30		mg/Kg	1	10/1/2016 4:06:05 PM
Lead	2.6	0.25		mg/Kg	1	10/1/2016 4:06:05 PM
Magnesium	1000	25		mg/Kg	1	10/1/2016 4:06:05 PM
Potassium	630	50		mg/Kg	1	10/1/2016 4:06:05 PM
Selenium	ND	2.5		mg/Kg	1	10/4/2016 8:55:34 AM
Silver	ND	0.25		mg/Kg	1	10/1/2016 4:06:05 PM
Sodium	ND	25		mg/Kg	1	10/1/2016 4:06:05 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-1
Project: BMG Landfarm
Collection Date: 9/22/2016 11:30:00 AM
Lab ID: 1609D94-005 **Matrix:** SOIL **Received Date:** 9/24/2016 9:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/28/2016 2:44:10 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/28/2016 2:44:10 AM
Surr: DNOP	92.2	70-130		%Rec	1	9/28/2016 2:44:10 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/29/2016 1:38:59 AM
Surr: BFB	82.0	68.3-144		%Rec	1	9/29/2016 1:38:59 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	9/29/2016 1:38:59 AM
Toluene	ND	0.048		mg/Kg	1	9/29/2016 1:38:59 AM
Ethylbenzene	ND	0.048		mg/Kg	1	9/29/2016 1:38:59 AM
Xylenes, Total	ND	0.097		mg/Kg	1	9/29/2016 1:38:59 AM
Surr: 4-Bromofluorobenzene	94.4	80-120		%Rec	1	9/29/2016 1:38:59 AM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Fluoride	1.0	0.30		mg/Kg	1	10/7/2016 8:25:30 PM
Chloride	17	1.5		mg/Kg	1	10/7/2016 8:25:30 PM
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	10/7/2016 8:25:30 PM
Bromide	ND	0.30		mg/Kg	1	10/7/2016 8:25:30 PM
Nitrogen, Nitrate (As N)	1.1	0.30		mg/Kg	1	10/7/2016 8:25:30 PM
Phosphorus, Orthophosphate (As P)	ND	1.5		mg/Kg	1	10/7/2016 8:25:30 PM
Sulfate	16	1.5		mg/Kg	1	10/7/2016 8:25:30 PM
EPA METHOD 7471: MERCURY						Analyst: **pmf**
Mercury	ND	0.032		mg/Kg	1	9/29/2016 11:04:11 AM
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**
Arsenic	2.6	2.5		mg/Kg	1	10/1/2016 4:11:26 PM
Barium	58	0.099		mg/Kg	1	10/1/2016 4:11:26 PM
Cadmium	ND	0.099		mg/Kg	1	10/1/2016 4:11:26 PM
Calcium	1700	25		mg/Kg	1	10/1/2016 4:11:26 PM
Chromium	4.4	0.30		mg/Kg	1	10/1/2016 4:11:26 PM
Lead	2.6	0.25		mg/Kg	1	10/1/2016 4:11:26 PM
Magnesium	1000	25		mg/Kg	1	10/1/2016 4:11:26 PM
Potassium	570	49		mg/Kg	1	10/1/2016 4:11:26 PM
Selenium	ND	2.5		mg/Kg	1	10/4/2016 9:03:57 AM
Silver	ND	0.25		mg/Kg	1	10/1/2016 4:11:26 PM
Sodium	ND	25		mg/Kg	1	10/1/2016 4:11:26 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-2
Project: BMG Landfarm
Collection Date: 9/22/2016 11:45:00 AM
Lab ID: 1609D94-006 **Matrix:** SOIL **Received Date:** 9/24/2016 9:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/28/2016 3:11:23 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/28/2016 3:11:23 AM
Surr: DNOP	92.2	70-130		%Rec	1	9/28/2016 3:11:23 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/29/2016 3:12:14 AM
Surr: BFB	83.7	68.3-144		%Rec	1	9/29/2016 3:12:14 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	9/29/2016 3:12:14 AM
Toluene	ND	0.046		mg/Kg	1	9/29/2016 3:12:14 AM
Ethylbenzene	ND	0.046		mg/Kg	1	9/29/2016 3:12:14 AM
Xylenes, Total	ND	0.093		mg/Kg	1	9/29/2016 3:12:14 AM
Surr: 4-Bromofluorobenzene	94.6	80-120		%Rec	1	9/29/2016 3:12:14 AM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Fluoride	0.48	0.30		mg/Kg	1	10/7/2016 8:37:55 PM
Chloride	8.9	1.5		mg/Kg	1	10/7/2016 8:37:55 PM
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	10/7/2016 8:37:55 PM
Bromide	ND	0.30		mg/Kg	1	10/7/2016 8:37:55 PM
Nitrogen, Nitrate (As N)	5.5	0.30		mg/Kg	1	10/7/2016 8:37:55 PM
Phosphorus, Orthophosphate (As P)	ND	1.5		mg/Kg	1	10/7/2016 8:37:55 PM
Sulfate	230	30		mg/Kg	20	10/6/2016 6:27:27 PM
EPA METHOD 7471: MERCURY						Analyst: **pmf**
Mercury	ND	0.032		mg/Kg	1	9/29/2016 11:05:59 AM
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**
Arsenic	2.7	2.4		mg/Kg	1	10/1/2016 4:23:56 PM
Barium	76	0.098		mg/Kg	1	10/1/2016 4:23:56 PM
Cadmium	ND	0.098		mg/Kg	1	10/1/2016 4:23:56 PM
Calcium	1600	24		mg/Kg	1	10/1/2016 4:23:56 PM
Chromium	4.7	0.29		mg/Kg	1	10/1/2016 4:23:56 PM
Lead	2.7	0.24		mg/Kg	1	10/1/2016 4:23:56 PM
Magnesium	1100	24		mg/Kg	1	10/1/2016 4:23:56 PM
Potassium	580	49		mg/Kg	1	10/1/2016 4:23:56 PM
Selenium	ND	2.4		mg/Kg	1	10/4/2016 9:05:28 AM
Silver	ND	0.24		mg/Kg	1	10/1/2016 4:23:56 PM
Sodium	110	24		mg/Kg	1	10/1/2016 4:23:56 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-3
Project: BMG Landfarm
Collection Date: 9/22/2016 12:00:00 PM
Lab ID: 1609D94-007 **Matrix:** SOIL **Received Date:** 9/24/2016 9:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/28/2016 3:38:36 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/28/2016 3:38:36 AM
Surr: DNOP	105	70-130		%Rec	1	9/28/2016 3:38:36 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/29/2016 3:35:43 AM
Surr: BFB	80.9	68.3-144		%Rec	1	9/29/2016 3:35:43 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	9/29/2016 3:35:43 AM
Toluene	ND	0.047		mg/Kg	1	9/29/2016 3:35:43 AM
Ethylbenzene	ND	0.047		mg/Kg	1	9/29/2016 3:35:43 AM
Xylenes, Total	ND	0.094		mg/Kg	1	9/29/2016 3:35:43 AM
Surr: 4-Bromofluorobenzene	91.9	80-120		%Rec	1	9/29/2016 3:35:43 AM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Fluoride	0.64	0.30		mg/Kg	1	10/7/2016 8:50:20 PM
Chloride	13	1.5		mg/Kg	1	10/7/2016 8:50:20 PM
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	10/7/2016 8:50:20 PM
Bromide	ND	0.30		mg/Kg	1	10/7/2016 8:50:20 PM
Nitrogen, Nitrate (As N)	5.1	0.30		mg/Kg	1	10/7/2016 8:50:20 PM
Phosphorus, Orthophosphate (As P)	ND	1.5		mg/Kg	1	10/7/2016 8:50:20 PM
Sulfate	130	30		mg/Kg	20	10/6/2016 6:39:52 PM
EPA METHOD 7471: MERCURY						Analyst: **pmf**
Mercury	ND	0.032		mg/Kg	1	9/29/2016 11:11:32 AM
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**
Arsenic	2.6	2.5		mg/Kg	1	10/1/2016 4:29:00 PM
Barium	86	0.099		mg/Kg	1	10/1/2016 4:29:00 PM
Cadmium	ND	0.099		mg/Kg	1	10/1/2016 4:29:00 PM
Calcium	2500	25		mg/Kg	1	10/1/2016 4:29:00 PM
Chromium	4.7	0.30		mg/Kg	1	10/1/2016 4:29:00 PM
Lead	2.6	0.25		mg/Kg	1	10/1/2016 4:29:00 PM
Magnesium	1200	25		mg/Kg	1	10/1/2016 4:29:00 PM
Potassium	640	50		mg/Kg	1	10/1/2016 4:29:00 PM
Selenium	ND	2.5		mg/Kg	1	10/4/2016 9:06:55 AM
Silver	ND	0.25		mg/Kg	1	10/1/2016 4:29:00 PM
Sodium	65	25		mg/Kg	1	10/1/2016 4:29:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-4
Project: BMG Landfarm
Collection Date: 9/22/2016 12:13:00 PM
Lab ID: 1609D94-008 **Matrix:** SOIL **Received Date:** 9/24/2016 9:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	9/28/2016 4:05:54 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/28/2016 4:05:54 AM
Surr: DNOP	95.3	70-130		%Rec	1	9/28/2016 4:05:54 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/29/2016 3:59:15 AM
Surr: BFB	82.3	68.3-144		%Rec	1	9/29/2016 3:59:15 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	9/29/2016 3:59:15 AM
Toluene	ND	0.048		mg/Kg	1	9/29/2016 3:59:15 AM
Ethylbenzene	ND	0.048		mg/Kg	1	9/29/2016 3:59:15 AM
Xylenes, Total	ND	0.096		mg/Kg	1	9/29/2016 3:59:15 AM
Surr: 4-Bromofluorobenzene	93.5	80-120		%Rec	1	9/29/2016 3:59:15 AM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Fluoride	0.48	0.30		mg/Kg	1	10/7/2016 9:02:45 PM
Chloride	8.2	1.5		mg/Kg	1	10/7/2016 9:02:45 PM
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	10/7/2016 9:02:45 PM
Bromide	ND	0.30		mg/Kg	1	10/7/2016 9:02:45 PM
Nitrogen, Nitrate (As N)	21	0.30		mg/Kg	1	10/7/2016 9:02:45 PM
Phosphorus, Orthophosphate (As P)	ND	1.5		mg/Kg	1	10/7/2016 9:02:45 PM
Sulfate	17	1.5		mg/Kg	1	10/7/2016 9:02:45 PM
EPA METHOD 7471: MERCURY						Analyst: **pmf**
Mercury	ND	0.033		mg/Kg	1	9/29/2016 11:13:21 AM
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**
Arsenic	2.6	2.5		mg/Kg	1	10/1/2016 4:34:04 PM
Barium	69	0.099		mg/Kg	1	10/1/2016 4:34:04 PM
Cadmium	ND	0.099		mg/Kg	1	10/1/2016 4:34:04 PM
Calcium	1600	25		mg/Kg	1	10/1/2016 4:34:04 PM
Chromium	6.0	0.30		mg/Kg	1	10/1/2016 4:34:04 PM
Lead	2.7	0.25		mg/Kg	1	10/1/2016 4:34:04 PM
Magnesium	1300	25		mg/Kg	1	10/1/2016 4:34:04 PM
Potassium	1200	50		mg/Kg	1	10/1/2016 4:34:04 PM
Selenium	ND	2.5		mg/Kg	1	10/4/2016 9:08:27 AM
Silver	ND	0.25		mg/Kg	1	10/1/2016 4:34:04 PM
Sodium	ND	25		mg/Kg	1	10/1/2016 4:34:04 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-1
Project: BMG Landfarm
Collection Date: 9/22/2016 12:31:00 PM
Lab ID: 1609D94-009 **Matrix:** SOIL **Received Date:** 9/24/2016 9:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/28/2016 4:33:12 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/28/2016 4:33:12 AM
Surr: DNOP	90.7	70-130		%Rec	1	9/28/2016 4:33:12 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/29/2016 6:10:41 PM
Surr: BFB	80.7	68.3-144		%Rec	1	9/29/2016 6:10:41 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	9/29/2016 6:10:41 PM
Toluene	ND	0.048		mg/Kg	1	9/29/2016 6:10:41 PM
Ethylbenzene	ND	0.048		mg/Kg	1	9/29/2016 6:10:41 PM
Xylenes, Total	ND	0.095		mg/Kg	1	9/29/2016 6:10:41 PM
Surr: 4-Bromofluorobenzene	93.3	80-120		%Rec	1	9/29/2016 6:10:41 PM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Fluoride	0.83	0.30		mg/Kg	1	10/7/2016 9:15:09 PM
Chloride	ND	1.5		mg/Kg	1	10/7/2016 9:15:09 PM
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	10/7/2016 9:15:09 PM
Bromide	ND	0.30		mg/Kg	1	10/7/2016 9:15:09 PM
Nitrogen, Nitrate (As N)	3.3	0.30		mg/Kg	1	10/7/2016 9:15:09 PM
Phosphorus, Orthophosphate (As P)	ND	1.5		mg/Kg	1	10/7/2016 9:15:09 PM
Sulfate	18	1.5		mg/Kg	1	10/7/2016 9:15:09 PM
EPA METHOD 7471: MERCURY						Analyst: **pmf**
Mercury	ND	0.033		mg/Kg	1	9/29/2016 11:15:11 AM
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**
Arsenic	4.7	2.5		mg/Kg	1	10/1/2016 4:39:34 PM
Barium	73	0.098		mg/Kg	1	10/1/2016 4:39:34 PM
Cadmium	ND	0.098		mg/Kg	1	10/1/2016 4:39:34 PM
Calcium	1100	25		mg/Kg	1	10/1/2016 4:39:34 PM
Chromium	4.0	0.30		mg/Kg	1	10/1/2016 4:39:34 PM
Lead	2.5	0.25		mg/Kg	1	10/1/2016 4:39:34 PM
Magnesium	800	25		mg/Kg	1	10/1/2016 4:39:34 PM
Potassium	560	49		mg/Kg	1	10/1/2016 4:39:34 PM
Selenium	ND	2.5		mg/Kg	1	10/4/2016 9:09:59 AM
Silver	ND	0.25		mg/Kg	1	10/1/2016 4:39:34 PM
Sodium	47	25		mg/Kg	1	10/1/2016 4:39:34 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-2
Project: BMG Landfarm
Collection Date: 9/22/2016 12:45:00 PM
Lab ID: 1609D94-010 **Matrix:** SOIL **Received Date:** 9/24/2016 9:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/28/2016 5:00:25 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/28/2016 5:00:25 AM
Surr: DNOP	94.9	70-130		%Rec	1	9/28/2016 5:00:25 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/29/2016 6:34:08 PM
Surr: BFB	81.0	68.3-144		%Rec	1	9/29/2016 6:34:08 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	9/29/2016 6:34:08 PM
Toluene	ND	0.048		mg/Kg	1	9/29/2016 6:34:08 PM
Ethylbenzene	ND	0.048		mg/Kg	1	9/29/2016 6:34:08 PM
Xylenes, Total	ND	0.096		mg/Kg	1	9/29/2016 6:34:08 PM
Surr: 4-Bromofluorobenzene	92.1	80-120		%Rec	1	9/29/2016 6:34:08 PM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Fluoride	ND	1.5		mg/Kg	5	10/7/2016 2:38:01 PM
Chloride	9.6	7.5		mg/Kg	5	10/7/2016 2:38:01 PM
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	10/7/2016 2:38:01 PM
Bromide	ND	1.5		mg/Kg	5	10/7/2016 2:38:01 PM
Nitrogen, Nitrate (As N)	ND	1.5		mg/Kg	5	10/7/2016 2:38:01 PM
Phosphorus, Orthophosphate (As P)	ND	7.5		mg/Kg	5	10/7/2016 2:38:01 PM
Sulfate	69	7.5		mg/Kg	5	10/7/2016 2:38:01 PM
EPA METHOD 7471: MERCURY						Analyst: **pmf**
Mercury	ND	0.032		mg/Kg	1	9/29/2016 11:17:02 AM
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**
Arsenic	ND	2.5		mg/Kg	1	10/1/2016 4:50:31 PM
Barium	48	0.099		mg/Kg	1	10/1/2016 4:50:31 PM
Cadmium	ND	0.099		mg/Kg	1	10/1/2016 4:50:31 PM
Calcium	1500	25		mg/Kg	1	10/1/2016 4:50:31 PM
Chromium	7.2	0.30		mg/Kg	1	10/1/2016 4:50:31 PM
Lead	2.9	0.25		mg/Kg	1	10/1/2016 4:50:31 PM
Magnesium	1400	25		mg/Kg	1	10/1/2016 4:50:31 PM
Potassium	1000	50		mg/Kg	1	10/1/2016 4:50:31 PM
Selenium	ND	2.5		mg/Kg	1	10/1/2016 4:50:31 PM
Silver	ND	0.25		mg/Kg	1	10/1/2016 4:50:31 PM
Sodium	ND	25		mg/Kg	1	10/1/2016 4:50:31 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-3
Project: BMG Landfarm
Collection Date: 9/22/2016 1:00:00 PM
Lab ID: 1609D94-011 **Matrix:** SOIL **Received Date:** 9/24/2016 9:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/28/2016 5:27:22 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/28/2016 5:27:22 AM
Surr: DNOP	92.4	70-130		%Rec	1	9/28/2016 5:27:22 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/29/2016 6:57:44 PM
Surr: BFB	81.8	68.3-144		%Rec	1	9/29/2016 6:57:44 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	9/29/2016 6:57:44 PM
Toluene	ND	0.048		mg/Kg	1	9/29/2016 6:57:44 PM
Ethylbenzene	ND	0.048		mg/Kg	1	9/29/2016 6:57:44 PM
Xylenes, Total	ND	0.097		mg/Kg	1	9/29/2016 6:57:44 PM
Surr: 4-Bromofluorobenzene	92.4	80-120		%Rec	1	9/29/2016 6:57:44 PM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Fluoride	1.8	0.30		mg/Kg	1	10/7/2016 3:27:39 PM
Chloride	5.2	1.5		mg/Kg	1	10/7/2016 3:27:39 PM
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	10/7/2016 3:27:39 PM
Bromide	ND	0.30		mg/Kg	1	10/7/2016 3:27:39 PM
Nitrogen, Nitrate (As N)	5.2	0.30		mg/Kg	1	10/7/2016 3:27:39 PM
Phosphorus, Orthophosphate (As P)	ND	1.5		mg/Kg	1	10/7/2016 3:27:39 PM
Sulfate	140	1.5		mg/Kg	1	10/7/2016 3:27:39 PM
EPA METHOD 7471: MERCURY						Analyst: **pmf**
Mercury	ND	0.033		mg/Kg	1	9/29/2016 11:18:53 AM
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**
Arsenic	ND	4.9		mg/Kg	2	10/1/2016 4:57:34 PM
Barium	120	0.20		mg/Kg	2	10/1/2016 4:57:34 PM
Cadmium	ND	0.20		mg/Kg	2	10/1/2016 4:57:34 PM
Calcium	4400	49		mg/Kg	2	10/1/2016 4:57:34 PM
Chromium	14	0.59		mg/Kg	2	10/1/2016 4:57:34 PM
Lead	5.2	0.49		mg/Kg	2	10/1/2016 4:57:34 PM
Magnesium	2400	49		mg/Kg	2	10/1/2016 4:57:34 PM
Potassium	1900	98		mg/Kg	2	10/1/2016 4:57:34 PM
Selenium	ND	4.9		mg/Kg	2	10/1/2016 4:57:34 PM
Silver	ND	0.49		mg/Kg	2	10/1/2016 4:57:34 PM
Sodium	53	49		mg/Kg	2	10/1/2016 4:57:34 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-4
Project: BMG Landfarm
Collection Date: 9/22/2016 1:15:00 PM
Lab ID: 1609D94-012 **Matrix:** SOIL **Received Date:** 9/24/2016 9:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/28/2016 6:21:27 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/28/2016 6:21:27 AM
Surr: DNOP	95.4	70-130		%Rec	1	9/28/2016 6:21:27 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/29/2016 7:21:09 PM
Surr: BFB	82.3	68.3-144		%Rec	1	9/29/2016 7:21:09 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	9/29/2016 7:21:09 PM
Toluene	ND	0.046		mg/Kg	1	9/29/2016 7:21:09 PM
Ethylbenzene	ND	0.046		mg/Kg	1	9/29/2016 7:21:09 PM
Xylenes, Total	ND	0.092		mg/Kg	1	9/29/2016 7:21:09 PM
Surr: 4-Bromofluorobenzene	93.4	80-120		%Rec	1	9/29/2016 7:21:09 PM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Fluoride	ND	1.5		mg/Kg	5	10/7/2016 3:52:28 PM
Chloride	ND	7.5		mg/Kg	5	10/7/2016 3:52:28 PM
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	10/7/2016 3:52:28 PM
Bromide	ND	1.5		mg/Kg	5	10/7/2016 3:52:28 PM
Nitrogen, Nitrate (As N)	2.2	1.5		mg/Kg	5	10/7/2016 3:52:28 PM
Phosphorus, Orthophosphate (As P)	ND	7.5		mg/Kg	5	10/7/2016 3:52:28 PM
Sulfate	130	7.5		mg/Kg	5	10/7/2016 3:52:28 PM
EPA METHOD 7471: MERCURY						Analyst: **pmf**
Mercury	ND	0.033		mg/Kg	1	9/29/2016 11:20:44 AM
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**
Arsenic	ND	2.5		mg/Kg	1	10/1/2016 5:01:14 PM
Barium	71	0.10		mg/Kg	1	10/1/2016 5:01:14 PM
Cadmium	ND	0.10		mg/Kg	1	10/1/2016 5:01:14 PM
Calcium	1800	25		mg/Kg	1	10/1/2016 5:01:14 PM
Chromium	5.8	0.30		mg/Kg	1	10/1/2016 5:01:14 PM
Lead	2.8	0.25		mg/Kg	1	10/1/2016 5:01:14 PM
Magnesium	1200	25		mg/Kg	1	10/1/2016 5:01:14 PM
Potassium	770	50		mg/Kg	1	10/1/2016 5:01:14 PM
Selenium	ND	2.5		mg/Kg	1	10/1/2016 5:01:14 PM
Silver	ND	0.25		mg/Kg	1	10/1/2016 5:01:14 PM
Sodium	75	25		mg/Kg	1	10/1/2016 5:01:14 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-1
Project: BMG Landfarm
Collection Date: 9/22/2016 1:34:00 PM
Lab ID: 1609D94-013 **Matrix:** SOIL **Received Date:** 9/24/2016 9:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/28/2016 6:48:26 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/28/2016 6:48:26 AM
Surr: DNOP	93.1	70-130		%Rec	1	9/28/2016 6:48:26 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/29/2016 7:44:35 PM
Surr: BFB	80.3	68.3-144		%Rec	1	9/29/2016 7:44:35 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	9/29/2016 7:44:35 PM
Toluene	ND	0.046		mg/Kg	1	9/29/2016 7:44:35 PM
Ethylbenzene	ND	0.046		mg/Kg	1	9/29/2016 7:44:35 PM
Xylenes, Total	ND	0.092		mg/Kg	1	9/29/2016 7:44:35 PM
Surr: 4-Bromofluorobenzene	90.9	80-120		%Rec	1	9/29/2016 7:44:35 PM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Fluoride	ND	1.5		mg/Kg	5	10/7/2016 4:17:18 PM
Chloride	ND	7.5		mg/Kg	5	10/7/2016 4:17:18 PM
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	10/7/2016 4:17:18 PM
Bromide	ND	1.5		mg/Kg	5	10/7/2016 4:17:18 PM
Nitrogen, Nitrate (As N)	6.7	1.5		mg/Kg	5	10/7/2016 4:17:18 PM
Phosphorus, Orthophosphate (As P)	ND	7.5		mg/Kg	5	10/7/2016 4:17:18 PM
Sulfate	ND	7.5		mg/Kg	5	10/7/2016 4:17:18 PM
EPA METHOD 7471: MERCURY						Analyst: **pmf**
Mercury	ND	0.033		mg/Kg	1	9/29/2016 11:22:27 AM
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**
Arsenic	ND	2.5		mg/Kg	1	10/1/2016 5:12:04 PM
Barium	60	0.10		mg/Kg	1	10/1/2016 5:12:04 PM
Cadmium	ND	0.10		mg/Kg	1	10/1/2016 5:12:04 PM
Calcium	1200	25		mg/Kg	1	10/1/2016 5:12:04 PM
Chromium	7.8	0.30		mg/Kg	1	10/1/2016 5:12:04 PM
Lead	2.9	0.25		mg/Kg	1	10/1/2016 5:12:04 PM
Magnesium	1100	25		mg/Kg	1	10/1/2016 5:12:04 PM
Potassium	1000	50		mg/Kg	1	10/1/2016 5:12:04 PM
Selenium	ND	2.5		mg/Kg	1	10/12/2016 1:46:04 PM
Silver	ND	0.25		mg/Kg	1	10/1/2016 5:12:04 PM
Sodium	ND	25		mg/Kg	1	10/1/2016 5:12:04 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-2
Project: BMG Landfarm
Collection Date: 9/22/2016 1:45:00 PM
Lab ID: 1609D94-014 **Matrix:** SOIL **Received Date:** 9/24/2016 9:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/28/2016 7:15:24 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/28/2016 7:15:24 AM
Surr: DNOP	94.5	70-130		%Rec	1	9/28/2016 7:15:24 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/29/2016 8:08:01 PM
Surr: BFB	79.9	68.3-144		%Rec	1	9/29/2016 8:08:01 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	9/29/2016 8:08:01 PM
Toluene	ND	0.048		mg/Kg	1	9/29/2016 8:08:01 PM
Ethylbenzene	ND	0.048		mg/Kg	1	9/29/2016 8:08:01 PM
Xylenes, Total	ND	0.095		mg/Kg	1	9/29/2016 8:08:01 PM
Surr: 4-Bromofluorobenzene	89.7	80-120		%Rec	1	9/29/2016 8:08:01 PM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Fluoride	1.9	1.5		mg/Kg	5	10/7/2016 4:42:06 PM
Chloride	ND	7.5		mg/Kg	5	10/7/2016 4:42:06 PM
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	10/7/2016 4:42:06 PM
Bromide	ND	1.5		mg/Kg	5	10/7/2016 4:42:06 PM
Nitrogen, Nitrate (As N)	5.1	1.5		mg/Kg	5	10/7/2016 4:42:06 PM
Phosphorus, Orthophosphate (As P)	ND	7.5		mg/Kg	5	10/7/2016 4:42:06 PM
Sulfate	ND	7.5		mg/Kg	5	10/7/2016 4:42:06 PM
EPA METHOD 7471: MERCURY						Analyst: **pmf**
Mercury	ND	0.033		mg/Kg	1	9/29/2016 11:24:11 AM
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**
Arsenic	ND	5.0		mg/Kg	2	10/1/2016 5:19:12 PM
Barium	96	0.20		mg/Kg	2	10/1/2016 5:19:12 PM
Cadmium	ND	0.20		mg/Kg	2	10/1/2016 5:19:12 PM
Calcium	2600	50		mg/Kg	2	10/1/2016 5:19:12 PM
Chromium	15	0.60		mg/Kg	2	10/1/2016 5:19:12 PM
Lead	5.8	0.50		mg/Kg	2	10/1/2016 5:19:12 PM
Magnesium	2000	50		mg/Kg	2	10/1/2016 5:19:12 PM
Potassium	1600	100		mg/Kg	2	10/1/2016 5:19:12 PM
Selenium	ND	5.0		mg/Kg	2	10/18/2016 9:42:47 AM
Silver	ND	0.50		mg/Kg	2	10/1/2016 5:19:12 PM
Sodium	ND	50		mg/Kg	2	10/1/2016 5:19:12 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-3
Project: BMG Landfarm
Collection Date: 9/22/2016 2:00:00 PM
Lab ID: 1609D94-015 **Matrix:** SOIL **Received Date:** 9/24/2016 9:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	9/28/2016 7:42:28 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/28/2016 7:42:28 AM
Surr: DNOP	90.8	70-130		%Rec	1	9/28/2016 7:42:28 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/29/2016 8:31:25 PM
Surr: BFB	80.3	68.3-144		%Rec	1	9/29/2016 8:31:25 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	9/29/2016 8:31:25 PM
Toluene	ND	0.050		mg/Kg	1	9/29/2016 8:31:25 PM
Ethylbenzene	ND	0.050		mg/Kg	1	9/29/2016 8:31:25 PM
Xylenes, Total	ND	0.10		mg/Kg	1	9/29/2016 8:31:25 PM
Surr: 4-Bromofluorobenzene	91.1	80-120		%Rec	1	9/29/2016 8:31:25 PM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Fluoride	3.5	1.5		mg/Kg	5	10/7/2016 5:06:55 PM
Chloride	ND	7.5		mg/Kg	5	10/7/2016 5:06:55 PM
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	10/7/2016 5:06:55 PM
Bromide	ND	1.5		mg/Kg	5	10/7/2016 5:06:55 PM
Nitrogen, Nitrate (As N)	4.1	1.5		mg/Kg	5	10/7/2016 5:06:55 PM
Phosphorus, Orthophosphate (As P)	ND	7.5		mg/Kg	5	10/7/2016 5:06:55 PM
Sulfate	ND	7.5		mg/Kg	5	10/7/2016 5:06:55 PM
EPA METHOD 7471: MERCURY						Analyst: **pmf**
Mercury	ND	0.033		mg/Kg	1	9/29/2016 11:25:56 AM
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**
Arsenic	ND	5.0		mg/Kg	2	10/1/2016 5:24:48 PM
Barium	78	0.20		mg/Kg	2	10/1/2016 5:24:48 PM
Cadmium	ND	0.20		mg/Kg	2	10/1/2016 5:24:48 PM
Calcium	2700	50		mg/Kg	2	10/1/2016 5:24:48 PM
Chromium	12	0.60		mg/Kg	2	10/1/2016 5:24:48 PM
Lead	5.1	0.50		mg/Kg	2	10/1/2016 5:24:48 PM
Magnesium	1600	50		mg/Kg	2	10/1/2016 5:24:48 PM
Potassium	1400	99		mg/Kg	2	10/1/2016 5:24:48 PM
Selenium	ND	5.0		mg/Kg	2	10/18/2016 9:44:43 AM
Silver	ND	0.50		mg/Kg	2	10/1/2016 5:24:48 PM
Sodium	ND	50		mg/Kg	2	10/1/2016 5:24:48 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-4
Project: BMG Landfarm
Collection Date: 9/22/2016 2:15:00 PM
Lab ID: 1609D94-016 **Matrix:** SOIL **Received Date:** 9/24/2016 9:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/28/2016 11:57:24 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/28/2016 11:57:24 AM
Surr: DNOP	92.6	70-130		%Rec	1	9/28/2016 11:57:24 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/29/2016 10:05:16 PM
Surr: BFB	85.0	68.3-144		%Rec	1	9/29/2016 10:05:16 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	9/29/2016 10:05:16 PM
Toluene	ND	0.046		mg/Kg	1	9/29/2016 10:05:16 PM
Ethylbenzene	ND	0.046		mg/Kg	1	9/29/2016 10:05:16 PM
Xylenes, Total	ND	0.092		mg/Kg	1	9/29/2016 10:05:16 PM
Surr: 4-Bromofluorobenzene	95.6	80-120		%Rec	1	9/29/2016 10:05:16 PM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Fluoride	ND	1.5		mg/Kg	5	10/7/2016 5:56:34 PM
Chloride	ND	7.5		mg/Kg	5	10/7/2016 5:56:34 PM
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	10/7/2016 5:56:34 PM
Bromide	ND	1.5		mg/Kg	5	10/7/2016 5:56:34 PM
Nitrogen, Nitrate (As N)	ND	1.5		mg/Kg	5	10/7/2016 5:56:34 PM
Phosphorus, Orthophosphate (As P)	ND	7.5		mg/Kg	5	10/7/2016 5:56:34 PM
Sulfate	ND	7.5		mg/Kg	5	10/7/2016 5:56:34 PM
EPA METHOD 7471: MERCURY						Analyst: **pmf**
Mercury	ND	0.033		mg/Kg	1	9/29/2016 11:27:41 AM
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**
Arsenic	ND	4.9		mg/Kg	2	10/1/2016 5:37:38 PM
Barium	83	0.20		mg/Kg	2	10/1/2016 5:37:38 PM
Cadmium	ND	0.20		mg/Kg	2	10/1/2016 5:37:38 PM
Calcium	2200	49		mg/Kg	2	10/1/2016 5:37:38 PM
Chromium	12	0.59		mg/Kg	2	10/1/2016 5:37:38 PM
Lead	5.2	0.49		mg/Kg	2	10/1/2016 5:37:38 PM
Magnesium	2000	49		mg/Kg	2	10/1/2016 5:37:38 PM
Potassium	1400	99		mg/Kg	2	10/1/2016 5:37:38 PM
Selenium	ND	4.9		mg/Kg	2	10/18/2016 9:46:42 AM
Silver	ND	0.49		mg/Kg	2	10/1/2016 5:37:38 PM
Sodium	ND	49		mg/Kg	2	10/1/2016 5:37:38 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1609D94**

28-Oct-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **MB-27935**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **27935**	RunNo: **37776**
Prep Date: **10/6/2016**	Analysis Date: **10/6/2016**	SeqNo: **1176768** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								
Nitrogen, Nitrite (As N)	ND	0.30								
Bromide	ND	0.30								
Nitrogen, Nitrate (As N)	ND	0.30								
Phosphorus, Orthophosphate (As P	ND	1.5								
Sulfate	ND	1.5								

Sample ID **LCS-27935**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **27935**	RunNo: **37776**
Prep Date: **10/6/2016**	Analysis Date: **10/6/2016**	SeqNo: **1176769** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.9	90	110			
Nitrogen, Nitrite (As N)	2.9	0.30	3.000	0	95.5	90	110			
Bromide	7.5	0.30	7.500	0	99.7	90	110			
Nitrogen, Nitrate (As N)	7.6	0.30	7.500	0	101	90	110			
Phosphorus, Orthophosphate (As P	15	1.5	15.00	0	98.5	90	110			
Sulfate	29	1.5	30.00	0	97.9	90	110			

Sample ID **MB-27963**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **27963**	RunNo: **37812**
Prep Date: **10/7/2016**	Analysis Date: **10/7/2016**	SeqNo: **1177838** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.30								
Chloride	ND	1.5								
Nitrogen, Nitrite (As N)	ND	0.30								
Bromide	ND	0.30								
Nitrogen, Nitrate (As N)	ND	0.30								
Phosphorus, Orthophosphate (As P	ND	1.5								
Sulfate	ND	1.5								

Sample ID **LCS-27963**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **27963**	RunNo: **37812**
Prep Date: **10/7/2016**	Analysis Date: **10/7/2016**	SeqNo: **1177839** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.6	0.30	1.500	0	106	90	110			
Chloride	14	1.5	15.00	0	94.9	90	110			
Nitrogen, Nitrite (As N)	2.9	0.30	3.000	0	96.0	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1609D94**
28-Oct-16

Client: Animas Environmental Services
Project: BMG Landfarm

Sample ID	**LCS-27963**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**27963**	RunNo:	**37812**					
Prep Date:	**10/7/2016**	Analysis Date:	**10/7/2016**	SeqNo:	**1177839**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bromide	7.0	0.30	7.500	0	92.8	90	110			
Nitrogen, Nitrate (As N)	7.5	0.30	7.500	0	100	90	110			
Phosphorus, Orthophosphate (As P	14	1.5	15.00	0	95.3	90	110			
Sulfate	29	1.5	30.00	0	97.0	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1609D94**

28-Oct-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **MB-27707**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **27707**	RunNo: **37494**
Prep Date: **9/26/2016**	Analysis Date: **9/27/2016**	SeqNo: **1166802** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.7		10.00		87.3	70	130			

Sample ID **LCS-27707**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **27707**	RunNo: **37494**
Prep Date: **9/26/2016**	Analysis Date: **9/27/2016**	SeqNo: **1166803** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	10	50.00	0	111	62.6	124			
Surr: DNOP	4.9		5.000		98.9	70	130			

Sample ID **1609D94-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **Cell #1 VZ S-1**	Batch ID: **27707**	RunNo: **37494**
Prep Date: **9/26/2016**	Analysis Date: **9/28/2016**	SeqNo: **1166834** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	9.5	47.35	0	106	33.9	141			
Surr: DNOP	4.6		4.735		96.3	70	130			

Sample ID **1609D94-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **Cell #1 VZ S-1**	Batch ID: **27707**	RunNo: **37494**
Prep Date: **9/26/2016**	Analysis Date: **9/28/2016**	SeqNo: **1166835** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	9.9	49.65	0	104	33.9	141	3.03	20	
Surr: DNOP	4.8		4.965		96.6	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1609D94**

28-Oct-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-27690**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**PBS**	Batch ID:	**27690**	RunNo:	**37528**					
Prep Date:	**9/26/2016**	Analysis Date:	**9/28/2016**	SeqNo:	**1167758**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	830		1000		82.8	68.3	144			

Sample ID	**LCS-27690**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSS**	Batch ID:	**27690**	RunNo:	**37528**					
Prep Date:	**9/26/2016**	Analysis Date:	**9/28/2016**	SeqNo:	**1167759**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	110	74.6	123			
Surr: BFB	910		1000		90.7	68.3	144			

Sample ID	**1609D94-001AMS**	SampType:	**MS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**Cell #1 VZ S-1**	Batch ID:	**27690**	RunNo:	**37528**					
Prep Date:	**9/26/2016**	Analysis Date:	**9/28/2016**	SeqNo:	**1167762**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	24.98	0	91.8	59.3	143			
Surr: BFB	920		999.0		92.3	68.3	144			

Sample ID	**1609D94-001AMSD**	SampType:	**MSD**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**Cell #1 VZ S-1**	Batch ID:	**27690**	RunNo:	**37528**					
Prep Date:	**9/26/2016**	Analysis Date:	**9/28/2016**	SeqNo:	**1167763**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	24.88	0	104	59.3	143	12.1	20	
Surr: BFB	890		995.0		89.3	68.3	144	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1609D94**

28-Oct-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **MB-27690**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **27690**	RunNo: **37528**
Prep Date: **9/26/2016**	Analysis Date: **9/28/2016**	SeqNo: **1167923** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		97.0	80	120			

Sample ID **LCS-27690**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **27690**	RunNo: **37528**
Prep Date: **9/26/2016**	Analysis Date: **9/28/2016**	SeqNo: **1167924** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.5	75.3	123			
Toluene	0.98	0.050	1.000	0	98.1	80	124			
Ethylbenzene	1.0	0.050	1.000	0	102	82.8	121			
Xylenes, Total	3.0	0.10	3.000	0	99.9	83.9	122			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

Sample ID **1609D94-002AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **Cell #1 VZ S-2**	Batch ID: **27690**	RunNo: **37528**
Prep Date: **9/26/2016**	Analysis Date: **9/29/2016**	SeqNo: **1167927** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	0.9862	0	93.9	71.5	122			
Toluene	0.95	0.049	0.9862	0	96.7	71.2	123			
Ethylbenzene	0.98	0.049	0.9862	0	99.7	75.2	130			
Xylenes, Total	2.9	0.099	2.959	0	99.5	72.4	131			
Surr: 4-Bromofluorobenzene	0.98		0.9862		99.4	80	120			

Sample ID **1609D94-002AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **Cell #1 VZ S-2**	Batch ID: **27690**	RunNo: **37528**
Prep Date: **9/26/2016**	Analysis Date: **9/29/2016**	SeqNo: **1167928** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.025	0.9833	0	85.5	71.5	122	9.67	20	
Toluene	0.91	0.049	0.9833	0	92.8	71.2	123	4.46	20	
Ethylbenzene	0.95	0.049	0.9833	0	97.0	75.2	130	3.06	20	
Xylenes, Total	2.9	0.098	2.950	0	97.2	72.4	131	2.62	20	
Surr: 4-Bromofluorobenzene	0.99		0.9833		101	80	120	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1609D94**

28-Oct-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-27781**	SampType: **MBLK**			TestCode: **EPA Method 7471: Mercury**					
Client ID:	**PBS**	Batch ID: **27781**			RunNo: **37563**					
Prep Date:	**9/28/2016**	Analysis Date: **9/29/2016**			SeqNo: **1168794**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.033								

Sample ID	**LCS-27781**	SampType: **LCS**			TestCode: **EPA Method 7471: Mercury**					
Client ID:	**LCSS**	Batch ID: **27781**			RunNo: **37563**					
Prep Date:	**9/28/2016**	Analysis Date: **9/29/2016**			SeqNo: **1168795**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.15	0.033	0.1667	0	93.0	80	120			

Sample ID	**1609D94-001AMS**	SampType: **MS**			TestCode: **EPA Method 7471: Mercury**					
Client ID:	**Cell #1 VZ S-1**	Batch ID: **27781**			RunNo: **37563**					
Prep Date:	**9/28/2016**	Analysis Date: **9/29/2016**			SeqNo: **1168798**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.17	0.033	0.1674	0.01255	93.8	75	125			

Sample ID	**1609D94-001AMSD**	SampType: **MSD**			TestCode: **EPA Method 7471: Mercury**					
Client ID:	**Cell #1 VZ S-1**	Batch ID: **27781**			RunNo: **37563**					
Prep Date:	**9/28/2016**	Analysis Date: **9/29/2016**			SeqNo: **1168799**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.17	0.033	0.1655	0.01255	94.5	75	125	0.384	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1609D94**

28-Oct-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **MB-27780**	SampType: **MBLK**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **PBS**	Batch ID: **27780**	RunNo: **37616**
Prep Date: **9/28/2016**	Analysis Date: **10/1/2016**	SeqNo: **1170692** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	2.5								
Barium	ND	0.10								
Cadmium	ND	0.10								
Calcium	ND	25								
Chromium	ND	0.30								
Lead	ND	0.25								
Magnesium	ND	25								
Potassium	ND	50								
Selenium	ND	2.5								
Silver	ND	0.25								
Sodium	ND	25								

Sample ID **LCS-27780**	SampType: **LCS**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **LCSS**	Batch ID: **27780**	RunNo: **37616**
Prep Date: **9/28/2016**	Analysis Date: **10/1/2016**	SeqNo: **1170693** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	22	2.5	25.00	0	87.8	80	120			
Barium	23	0.10	25.00	0	90.5	80	120			
Cadmium	23	0.10	25.00	0	90.8	80	120			
Calcium	2300	25	2500	0	92.7	80	120			
Chromium	22	0.30	25.00	0	89.2	80	120			
Lead	22	0.25	25.00	0	86.6	80	120			
Magnesium	2300	25	2500	0	93.8	80	120			
Potassium	2200	50	2500	0	89.9	80	120			
Selenium	22	2.5	25.00	0	86.7	80	120			
Silver	4.8	0.25	5.000	0	95.5	80	120			
Sodium	2300	25	2500	0	93.0	80	120			

Sample ID **1609D94-001AMS**	SampType: **MS**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **Cell #1 VZ S-1**	Batch ID: **27780**	RunNo: **37616**
Prep Date: **9/28/2016**	Analysis Date: **10/1/2016**	SeqNo: **1170722** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	21	5.0	24.84	4.160	67.4	75	125			S
Barium	140	0.20	24.84	112.8	95.7	75	125			
Cadmium	18	0.20	24.84	0	74.2	75	125			S
Calcium	5600	50	2484	4010	64.8	75	125			S
Chromium	33	0.60	24.84	12.92	81.1	75	125			
Lead	21	0.50	24.84	4.771	65.7	75	125			S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1609D94**

28-Oct-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**1609D94-001AMS**	SampType:	**MS**	TestCode:	**EPA Method 6010B: Soil Metals**
Client ID:	**Cell #1 VZ S-1**	Batch ID:	**27780**	RunNo:	**37616**
Prep Date:	**9/28/2016**	Analysis Date:	**10/1/2016**	SeqNo:	**1170722** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	4700	50	2484	2584	86.6	75	125			
Potassium	4200	99	2484	2130	83.3	75	125			
Selenium	9.0	5.0	24.84	0	36.4	75	125			S
Silver	3.7	0.50	4.967	0	75.2	75	125			
Sodium	1800	50	2484	88.08	68.2	75	125			S

Sample ID	**1609D94-001AMSD**	SampType:	**MSD**	TestCode:	**EPA Method 6010B: Soil Metals**
Client ID:	**Cell #1 VZ S-1**	Batch ID:	**27780**	RunNo:	**37616**
Prep Date:	**9/28/2016**	Analysis Date:	**10/1/2016**	SeqNo:	**1170723** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	23	5.0	24.96	4.160	74.0	75	125	7.95	20	S
Barium	140	0.20	24.96	112.8	110	75	125	2.59	20	
Cadmium	19	0.20	24.96	0	77.2	75	125	4.47	20	
Calcium	5900	50	2496	4010	76.4	75	125	5.16	20	
Chromium	35	0.60	24.96	12.92	88.7	75	125	5.88	20	
Lead	22	0.50	24.96	4.771	68.9	75	125	4.01	20	S
Magnesium	5000	50	2496	2584	97.8	75	125	5.95	20	
Potassium	4500	100	2496	2130	95.8	75	125	7.33	20	
Selenium	9.2	5.0	24.96	0	36.9	75	125	1.63	20	S
Silver	3.8	0.50	4.991	0	76.0	75	125	1.51	20	
Sodium	1900	50	2496	88.08	72.1	75	125	5.76	20	S

Sample ID	**1609D94-001APS**	SampType:	**PS**	TestCode:	**EPA Method 6010B: Soil Metals**
Client ID:	**Cell #1 VZ S-1**	Batch ID:	**27780**	RunNo:	**37616**
Prep Date:		Analysis Date:	**10/1/2016**	SeqNo:	**1170724** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	46	4.9	49.01	4.160	86.0	80	120			
Cadmium	43	0.20	49.01	0	87.4	80	120			
Calcium	8200	49	4901	4010	84.8	80	120			
Lead	44	0.49	49.01	4.771	81.1	80	120			
Selenium	36	4.9	49.01	0	72.5	80	120			S
Sodium	4200	49	4901	88.08	84.7	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1609D94** RcptNo: **1**

Received by/date: 09/24/16

Logged By: **Lindsay Mangin** **9/24/2016 9:30:00 AM**

Completed By: **Lindsay Mangin** **9/25/2016 11:13:33 AM**

Reviewed By: 09/26/16

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.6	Good	Yes			

Chain-of-Custody Record

Client:	**Animas Environmental Services**
Mailing Address:	**604 W. Pinon Street**
	Farmington, NM 87401
Phone #:	**505-564-2281**
email or Fax#:	emcnally@animasenvironmental.co
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other_____
□ EDD (Type) _____	

Turn-Around Time:	
X Standard	□ Rush_____
Project Name:	**BMG Landfarm**
Project #:	**AES 040605**
Project Manager:	**Elizabeth McNally**
Sampler: S. Glasses/J. Sandoval	
On Ice:	X Yes □ No
Sample Temperature:	1.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1609D94	BTEX 8021	TPH 8015	Chlorides 300.0	RCRA 8 Metals	Major Cations/Anions						Air Bubbles (Y or N)
						Analysis Request											
9/22/2016	10:09	Soil	Cell #1 VZ S-1	3 - 4 oz jars, 1-ziplock bag	Cool	-001	X	X	X	X	X						
9/22/2016	10:42	Soil	Cell #1 VZ S-2	3 - 4 oz jars, 1-ziplock bag	Cool	-002	X	X	X	X	X						
9/22/2016	10:55	Soil	Cell #1 VZ S-3	3 - 4 oz jars, 1-ziplock bag	Cool	-003	X	X	X	X	X						
9/22/2016	11:10	Soil	Cell #1 VZ S-4	3 - 4 oz jars, 1-ziplock bag	Cool	-004	X	X	X	X	X						
9/22/2016	11:30	Soil	Cell #2 VZ S-1	3 - 4 oz jars, 1-ziplock bag	Cool	-005	X	X	X	X	X						
9/22/2016	11:45	Soil	Cell #2 VZ S-2	3 - 4 oz jars, 1-ziplock bag	Cool	-006	X	X	X	X	X						
9/22/2016	12:00	Soil	Cell #2 VZ S-3	3 - 4 oz jars, 1-ziplock bag	Cool	-007	X	X	X	X	X						
9/22/2016	12:13	Soil	Cell #2 VZ S-4	3 - 4 oz jars, 1-ziplock bag	Cool	-008	X	X	X	X	X						

09/24/16 0930

Chain-of-Custody Record

Client: **Animas Environmental Services**

Mailing Address: **604 W. Pinon Street**
Farmington, NM 87401

Phone #: **505-564-2281**

email or Fax#: emcnally@animasenvironmental.co

QA/QC Package:
X Standard □ Level 4 (Full Validation)

Accreditation:
□ NELAP □ Other

□ EDD (Type)

Turn-Around Time:
X Standard □ **Rush**

Project Name:
BMG Landfarm

Project #:
AES 040605

Project Manager:
Elizabeth McNally

Sampler: S. Glasses/J. Sandoval

On Ice: X Yes □ No

Sample Temperature: 1.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 8710
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1609D94	BTEX 8021	TPH 8015	Chlorides 300.0	RCRA 8 Metals	Major Cations/Anions						Air Bubbles (Y or N)
9/22/2016	12:31	Soil	Cell #3 VZ S-1	3 - 4 oz jars, 1-ziplock bag	Cool	-009	X	X	X	X	X						
9/22/2016	12:45	Soil	Cell #3 VZ S-2	3 - 4 oz jars, 1-ziplock bag	Cool	-010	X	X	X	X	X						
9/22/2016	13:00	Soil	Cell #3 VZ S-3	3 - 4 oz jars, 1-ziplock bag	Cool	-011	X	X	X	X	X						
9/22/2016	13:15	Soil	Cell #3 VZ S-4	3 - 4 oz jars, 1-ziplock bag	Cool	-012	X	X	X	X	X						
9/22/2016	13:34	Soil	Cell #4 VZ S-1	3 - 4 oz jars, 1-ziplock bag	Cool	-013	X	X	X	X	X						
9/22/2016	13:45	Soil	Cell #4 VZ S-2	3 - 4 oz jars, 1-ziplock bag	Cool	-014	X	X	X	X	X						
9/22/2016	14:00	Soil	Cell #4 VZ S-3	3 - 4 oz jars, 1-ziplock bag	Cool	-015	X	X	X	X	X						
9/22/2016	14:15	Soil	Cell #4 VZ S-4	3 - 4 oz jars, 1-ziplock bag	Cool	-016	X	X	X	X	X						

Date:	Time:	Relinquished by:	Received by:	Date	Time
9/23/16	1739			9/23/16	1739
9/23/16	1954			09/24/16	0930

Remarks: Call if questions.

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

October 05, 2016

Elizabeth McNally

Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG Landfarm OrderNo.: 1609D95

Dear Elizabeth McNally:

Hall Environmental Analysis Laboratory received 4 sample(s) on 9/24/2016 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 qualifers 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 #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1609D95**
Date Reported: **10/5/2016**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 TZ CS-1
Project: BMG Landfarm
Collection Date: 9/22/2016 11:06:00 AM
Lab ID: 1609D95-001
Matrix: SOIL
Received Date: 9/24/2016 9:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	44	30		mg/Kg	20	10/4/2016 1:08:22 AM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	1100	200		mg/Kg	10	9/27/2016 12:00:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 TZ CS-1
Project: BMG Landfarm
Collection Date: 9/22/2016 12:08:00 PM
Lab ID: 1609D95-002
Matrix: SOIL
Received Date: 9/24/2016 9:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	38	30		mg/Kg	20	10/4/2016 1:20:47 AM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	4600	200		mg/Kg	10	9/27/2016 12:00:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 TZ CS-1
Project: BMG Landfarm
Collection Date: 9/22/2016 1:08:00 PM
Lab ID: 1609D95-003
Matrix: SOIL
Received Date: 9/24/2016 9:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	30		mg/Kg	20	10/4/2016 1:58:02 AM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	2000	190		mg/Kg	10	9/27/2016 12:00:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 TZ CS-1
Project: BMG Landfarm
Collection Date: 9/22/2016 2:08:00 PM
Lab ID: 1609D95-004
Matrix: SOIL
Received Date: 9/24/2016 9:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	30		mg/Kg	20	10/4/2016 2:10:27 AM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	410	18		mg/Kg	1	9/27/2016 12:00:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1609D95**

05-Oct-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-27860**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**27860**	RunNo:	**37656**					
Prep Date:	**10/3/2016**	Analysis Date:	**10/3/2016**	SeqNo:	**1172612**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-27860**	SampType:	**lcs**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**27860**	RunNo:	**37656**					
Prep Date:	**10/3/2016**	Analysis Date:	**10/3/2016**	SeqNo:	**1172613**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.6	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1609D95**

05-Oct-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-27703**	SampType:	**MBLK**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**PBS**	Batch ID:	**27703**	RunNo:	**37499**					
Prep Date:	**9/26/2016**	Analysis Date:	**9/27/2016**	SeqNo:	**1165981**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	**LCS-27703**	SampType:	**LCS**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS**	Batch ID:	**27703**	RunNo:	**37499**					
Prep Date:	**9/26/2016**	Analysis Date:	**9/27/2016**	SeqNo:	**1165982**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	100	20	100.0	0	101	80.7	121			

Sample ID	**LCSD-27703**	SampType:	**LCSD**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS02**	Batch ID:	**27703**	RunNo:	**37499**					
Prep Date:	**9/26/2016**	Analysis Date:	**9/27/2016**	SeqNo:	**1165983**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	110	20	100.0	0	105	80.7	121	4.00	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1609D95** RcptNo: **1**

Received by/date: 09/24/16

Logged By: **Lindsay Mangin** **9/24/2016 9:30:00 AM**

Completed By: **Lindsay Mangin** **9/25/2016 11:22:34 AM**

Reviewed By: 09/26/16

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: ____ (<2 or >12 unless noted)

Adjusted? ____

Checked by: ____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: ____ Date: ____

By Whom: ____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: ____

Client Instructions: ____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.6	Good	Yes			

Chain-of-Custody Record

Client: **Animas Environmental Services**

Mailing Address: **604 W. Pinon Street**
Farmington, NM 87401

Phone #: **505-564-2281**

email or Fax#: emcnally@animasenvironmental.com

QA/QC Package:
X Standard □ Level 4 (Full Validation)

Accreditation:
□ NELAP □ Other

□ EDD (Type)

Turn-Around Time:
X Standard □ Rush

Project Name: **BMG Landfarm**

Project #: **AES 040605**

Project Manager: **Elizabeth McNally**

Sampler: S. Glasses/J. Sandoval

On Ice: X Yes □ No

Sample Temperature: 1.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1609D95	Chlorides 300.0	TPH 418.1									Air Bubbles (Y or N)
9/22/2016	11:06	Soil	Cell #1 TZ CS-1	1 - 4 oz jars	Cool	-001	X	X									
9/22/2016	12:08	Soil	Cell #2 TZ CS-1	1 - 4 oz jars	Cool	-002	X	X									
9/22/2016	13:08	Soil	Cell #3 TZ CS-1	1 - 4 oz jars	Cool	-003	X	X									
9/22/2016	14:08	Soil	Cell #4 TZ CS-1	1 - 4 oz jars	Cool	-004	X	X									

Date:	Time:	Relinquished by:	Received by:	Date	Time
9/23/16	1739			9/23/16	1739
9/23/16	1954			09/24/16	0930

Remarks: Call if questions.

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

January 04, 2017

Elizabeth McNally

Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG Landfarm OrderNo.: 1612A50

Dear Elizabeth McNally:

Hall Environmental Analysis Laboratory received 7 sample(s) on 12/20/2016 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 qualifers 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 #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-1
Project: BMG Landfarm
Collection Date: 12/19/2016 12:10:00 PM
Lab ID: 1612A50-001
Matrix: AQUEOUS
Received Date: 12/20/2016 8:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/22/2016 8:02:29 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/22/2016 8:02:29 PM
Surr: DNOP	115	77.1-144		%Rec	1	12/22/2016 8:02:29 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	48	10		mg/L	20	12/28/2016 2:44:26 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	1.0		µg/L	1	12/22/2016 3:34:02 PM
Toluene	ND	1.0		µg/L	1	12/22/2016 3:34:02 PM
Ethylbenzene	ND	1.0		µg/L	1	12/22/2016 3:34:02 PM
Xylenes, Total	ND	1.5		µg/L	1	12/22/2016 3:34:02 PM
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	12/22/2016 3:34:02 PM
Surr: 4-Bromofluorobenzene	96.3	70-130		%Rec	1	12/22/2016 3:34:02 PM
Surr: Dibromofluoromethane	110	70-130		%Rec	1	12/22/2016 3:34:02 PM
Surr: Toluene-d8	98.1	70-130		%Rec	1	12/22/2016 3:34:02 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/22/2016 3:34:02 PM
Surr: BFB	87.7	70-130		%Rec	1	12/22/2016 3:34:02 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	658	20.0	*	mg/L	1	12/27/2016 7:33:00 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
R	RPD outside accepted recovery limits
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-2
Project: BMG Landfarm
Collection Date: 12/19/2016 12:45:00 PM
Lab ID: 1612A50-002
Matrix: AQUEOUS
Received Date: 12/20/2016 8:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/22/2016 9:07:11 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/22/2016 9:07:11 PM
Surr: DNOP	114	77.1-144		%Rec	1	12/22/2016 9:07:11 PM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	470	25	*	mg/L	50	12/29/2016 9:51:25 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	1.0		µg/L	1	12/22/2016 4:03:03 PM
Toluene	ND	1.0		µg/L	1	12/22/2016 4:03:03 PM
Ethylbenzene	ND	1.0		µg/L	1	12/22/2016 4:03:03 PM
Xylenes, Total	ND	1.5		µg/L	1	12/22/2016 4:03:03 PM
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	12/22/2016 4:03:03 PM
Surr: 4-Bromofluorobenzene	94.1	70-130		%Rec	1	12/22/2016 4:03:03 PM
Surr: Dibromofluoromethane	109	70-130		%Rec	1	12/22/2016 4:03:03 PM
Surr: Toluene-d8	95.2	70-130		%Rec	1	12/22/2016 4:03:03 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/22/2016 4:03:03 PM
Surr: BFB	84.8	70-130		%Rec	1	12/22/2016 4:03:03 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	1370	100	*D	mg/L	1	12/27/2016 7:33:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-3
Project: BMG Landfarm
Collection Date: 12/19/2016 11:10:00 AM
Lab ID: 1612A50-003 **Matrix:** AQUEOUS **Received Date:** 12/20/2016 8:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/22/2016 9:28:44 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/22/2016 9:28:44 PM
Surr: DNOP	117	77.1-144		%Rec	1	12/22/2016 9:28:44 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	24	10		mg/L	20	12/28/2016 3:34:05 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	1.0		µg/L	1	12/22/2016 4:32:15 PM
Toluene	ND	1.0		µg/L	1	12/22/2016 4:32:15 PM
Ethylbenzene	ND	1.0		µg/L	1	12/22/2016 4:32:15 PM
Xylenes, Total	ND	1.5		µg/L	1	12/22/2016 4:32:15 PM
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	12/22/2016 4:32:15 PM
Surr: 4-Bromofluorobenzene	98.0	70-130		%Rec	1	12/22/2016 4:32:15 PM
Surr: Dibromofluoromethane	112	70-130		%Rec	1	12/22/2016 4:32:15 PM
Surr: Toluene-d8	100	70-130		%Rec	1	12/22/2016 4:32:15 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/22/2016 4:32:15 PM
Surr: BFB	88.9	70-130		%Rec	1	12/22/2016 4:32:15 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	534	40.0	*D	mg/L	1	12/27/2016 7:33:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-4
Project: BMG Landfarm
Collection Date: 12/19/2016 11:40:00 AM
Lab ID: 1612A50-004 **Matrix:** AQUEOUS **Received Date:** 12/20/2016 8:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/22/2016 9:50:08 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/22/2016 9:50:08 PM
Surr: DNOP	116	77.1-144		%Rec	1	12/22/2016 9:50:08 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	250	10		mg/L	20	12/28/2016 3:58:54 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	1.0		µg/L	1	12/22/2016 5:01:24 PM
Toluene	ND	1.0		µg/L	1	12/22/2016 5:01:24 PM
Ethylbenzene	ND	1.0		µg/L	1	12/22/2016 5:01:24 PM
Xylenes, Total	ND	1.5		µg/L	1	12/22/2016 5:01:24 PM
Surr: 1,2-Dichloroethane-d4	108	70-130		%Rec	1	12/22/2016 5:01:24 PM
Surr: 4-Bromofluorobenzene	92.2	70-130		%Rec	1	12/22/2016 5:01:24 PM
Surr: Dibromofluoromethane	109	70-130		%Rec	1	12/22/2016 5:01:24 PM
Surr: Toluene-d8	98.5	70-130		%Rec	1	12/22/2016 5:01:24 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/22/2016 5:01:24 PM
Surr: BFB	82.4	70-130		%Rec	1	12/22/2016 5:01:24 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	800	40.0	*D	mg/L	1	12/27/2016 7:33:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Interstitial Well
Project: BMG Landfarm
Collection Date: 12/19/2016 1:30:00 PM
Lab ID: 1612A50-005 **Matrix:** AQUEOUS **Received Date:** 12/20/2016 8:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**
Diesel Range Organics (DRO)	2.9	1.0		mg/L	1	12/22/2016 10:11:48 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/22/2016 10:11:48 PM
Surr: DNOP	110	77.1-144		%Rec	1	12/22/2016 10:11:48 PM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	130000	5000	*	mg/L	10000	12/29/2016 10:03:50 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	5.0	D	µg/L	5	12/22/2016 2:06:13 PM
Toluene	ND	5.0	D	µg/L	5	12/22/2016 2:06:13 PM
Ethylbenzene	ND	5.0	D	µg/L	5	12/22/2016 2:06:13 PM
Xylenes, Total	ND	7.5	D	µg/L	5	12/22/2016 2:06:13 PM
Surr: 1,2-Dichloroethane-d4	103	70-130	D	%Rec	5	12/22/2016 2:06:13 PM
Surr: 4-Bromofluorobenzene	88.4	70-130	D	%Rec	5	12/22/2016 2:06:13 PM
Surr: Dibromofluoromethane	102	70-130	D	%Rec	5	12/22/2016 2:06:13 PM
Surr: Toluene-d8	96.4	70-130	D	%Rec	5	12/22/2016 2:06:13 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	0.25	D	mg/L	5	12/22/2016 2:06:13 PM
Surr: BFB	79.0	70-130	D	%Rec	5	12/22/2016 2:06:13 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	147000	2000	*D	mg/L	1	12/27/2016 7:33:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Evaporation Pond Water
Project: BMG Landfarm
Collection Date: 12/19/2016 1:10:00 PM
Lab ID: 1612A50-006 **Matrix:** AQUEOUS **Received Date:** 12/20/2016 8:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**
Diesel Range Organics (DRO)	6.1	1.0		mg/L	1	12/22/2016 10:33:11 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/22/2016 10:33:11 PM
Surr: DNOP	110	77.1-144		%Rec	1	12/22/2016 10:33:11 PM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	110000	5000	*	mg/L	10000	12/29/2016 10:16:15 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	4.3	2.5	D	µg/L	5	12/22/2016 3:04:27 PM
Toluene	23	5.0	D	µg/L	5	12/22/2016 3:04:27 PM
Ethylbenzene	ND	5.0	D	µg/L	5	12/22/2016 3:04:27 PM
Xylenes, Total	ND	7.5	D	µg/L	5	12/22/2016 3:04:27 PM
Surr: 1,2-Dichloroethane-d4	102	70-130	D	%Rec	5	12/22/2016 3:04:27 PM
Surr: 4-Bromofluorobenzene	105	70-130	D	%Rec	5	12/22/2016 3:04:27 PM
Surr: Dibromofluoromethane	107	70-130	D	%Rec	5	12/22/2016 3:04:27 PM
Surr: Toluene-d8	102	70-130	D	%Rec	5	12/22/2016 3:04:27 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	0.87	0.25	D	mg/L	5	12/22/2016 3:04:27 PM
Surr: BFB	92.1	70-130	D	%Rec	5	12/22/2016 3:04:27 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	169000	2000	*D	mg/L	1	12/27/2016 7:33:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Trip Blank
Project: BMG Landfarm
Collection Date:
Lab ID: 1612A50-007 **Matrix:** AQUEOUS **Received Date:** 12/20/2016 8:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	1.0		µg/L	1	12/22/2016 5:30:45 PM
Toluene	ND	1.0		µg/L	1	12/22/2016 5:30:45 PM
Ethylbenzene	ND	1.0		µg/L	1	12/22/2016 5:30:45 PM
Xylenes, Total	ND	1.5		µg/L	1	12/22/2016 5:30:45 PM
Surr: 1,2-Dichloroethane-d4	110	70-130		%Rec	1	12/22/2016 5:30:45 PM
Surr: 4-Bromofluorobenzene	89.1	70-130		%Rec	1	12/22/2016 5:30:45 PM
Surr: Dibromofluoromethane	112	70-130		%Rec	1	12/22/2016 5:30:45 PM
Surr: Toluene-d8	97.8	70-130		%Rec	1	12/22/2016 5:30:45 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/22/2016 5:30:45 PM
Surr: BFB	81.5	70-130		%Rec	1	12/22/2016 5:30:45 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1612A50**

04-Jan-17

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R39721**	RunNo:	**39721**					
Prep Date:		Analysis Date:	**12/28/2016**	SeqNo:	**1244461**	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:	**R39721**	RunNo:	**39721**					
Prep Date:		Analysis Date:	**12/28/2016**	SeqNo:	**1244462**	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	96.3	90	110			

Sample ID	**MB**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R39748**	RunNo:	**39748**					
Prep Date:		Analysis Date:	**12/29/2016**	SeqNo:	**1245680**	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:	**R39748**	RunNo:	**39748**					
Prep Date:		Analysis Date:	**12/29/2016**	SeqNo:	**1245681**	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	97.2	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1612A50**

04-Jan-17

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **1612A50-001BMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **MW-1**	Batch ID: **29336**	RunNo: **39589**
Prep Date: **12/21/2016**	Analysis Date: **12/22/2016**	SeqNo: **1240714** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	5.6	1.0	5.000	0	111	79.6	148			
Surr: DNOP	0.57		0.5000		114	77.1	144			

Sample ID **1612A50-001BMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **MW-1**	Batch ID: **29336**	RunNo: **39589**
Prep Date: **12/21/2016**	Analysis Date: **12/22/2016**	SeqNo: **1240715** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	5.7	1.0	5.000	0	114	79.6	148	2.30	20	
Surr: DNOP	0.58		0.5000		116	77.1	144	0	0	

Sample ID **LCS-29336**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **LCSW**	Batch ID: **29336**	RunNo: **39589**
Prep Date: **12/21/2016**	Analysis Date: **12/22/2016**	SeqNo: **1240727** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	5.8	1.0	5.000	0	115	63.2	155			
Surr: DNOP	0.58		0.5000		116	77.1	144			

Sample ID **MB-29336**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **PBW**	Batch ID: **29336**	RunNo: **39589**
Prep Date: **12/21/2016**	Analysis Date: **12/22/2016**	SeqNo: **1240728** 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	1.1		1.000		112	77.1	144			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1612A50**

04-Jan-17

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **SL39618**	RunNo: **39618**
Prep Date:	Analysis Date: **12/22/2016**	SeqNo: **1240863** 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	1.5								
Surr: 1,2-Dichloroethane-d4	9.7		10.00		96.6	70	130			
Surr: 4-Bromofluorobenzene	9.5		10.00		94.9	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	9.7		10.00		97.1	70	130			

Sample ID **100ng lcsb**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **SL39618**	RunNo: **39618**
Prep Date:	Analysis Date: **12/22/2016**	SeqNo: **1240864** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	112	70	130			
Toluene	20	1.0	20.00	0	99.8	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		102	70	130			
Surr: 4-Bromofluorobenzene	9.5		10.00		94.7	70	130			
Surr: Dibromofluoromethane	10		10.00		104	70	130			
Surr: Toluene-d8	9.9		10.00		98.8	70	130			

Sample ID **1612a50-002a ms**	SampType: **MS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **MW-2**	Batch ID: **SL39618**	RunNo: **39618**
Prep Date:	Analysis Date: **12/22/2016**	SeqNo: **1240870** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	107	70	130			
Toluene	20	1.0	20.00	0	102	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		100	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		94.0	70	130			
Surr: Dibromofluoromethane	10		10.00		102	70	130			
Surr: Toluene-d8	10		10.00		100	70	130			

Sample ID **1612a50-002a msd**	SampType: **MSD**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **MW-2**	Batch ID: **SL39618**	RunNo: **39618**
Prep Date:	Analysis Date: **12/22/2016**	SeqNo: **1240871** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	107	70	130	0.625	20	
Toluene	19	1.0	20.00	0	97.4	70	130	4.93	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1612A50**

04-Jan-17

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**1612a50-002a msd**	SampType:	**MSD**	TestCode:	**EPA Method 8260: Volatiles Short List**
Client ID:	**MW-2**	Batch ID:	**SL39618**	RunNo:	**39618**
Prep Date:		Analysis Date:	**12/22/2016**	SeqNo:	**1240871** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	10		10.00		104	70	130	0	0	
Surr: 4-Bromofluorobenzene	9.3		10.00		92.5	70	130	0	0	
Surr: Dibromofluoromethane	11		10.00		106	70	130	0	0	
Surr: Toluene-d8	9.8		10.00		97.6	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1612A50**

04-Jan-17

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBW**	Batch ID: **G39618**	RunNo: **39618**
Prep Date:	Analysis Date: **12/22/2016**	SeqNo: **1240880** 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	8.4		10.00		84.2	70	130			

Sample ID **2.5ug gro lcs**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSW**	Batch ID: **G39618**	RunNo: **39618**
Prep Date:	Analysis Date: **12/22/2016**	SeqNo: **1240884** 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	75.4	118			
Surr: BFB	8.6		10.00		85.9	70	130			

Sample ID **1612a50-001a ms**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **MW-1**	Batch ID: **G39618**	RunNo: **39618**
Prep Date:	Analysis Date: **12/22/2016**	SeqNo: **1240886** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.51	0.050	0.5000	0	101	70	130			
Surr: BFB	8.4		10.00		84.2	70	130			

Sample ID **1612a50-001a msd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **MW-1**	Batch ID: **G39618**	RunNo: **39618**
Prep Date:	Analysis Date: **12/22/2016**	SeqNo: **1240887** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.49	0.050	0.5000	0	97.7	70	130	3.54	20	
Surr: BFB	8.6		10.00		86.0	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1612A50**
04-Jan-17

Client: Animas Environmental Services
Project: BMG Landfarm

Sample ID	**MB-29395**	SampType:	**MBLK**	TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**PBW**	Batch ID:	**29395**	RunNo:	**39662**					
Prep Date:	**12/23/2016**	Analysis Date:	**12/27/2016**	SeqNo:	**1242651**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	**LCS-29395**	SampType:	**LCS**	TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**LCSW**	Batch ID:	**29395**	RunNo:	**39662**					
Prep Date:	**12/23/2016**	Analysis Date:	**12/27/2016**	SeqNo:	**1242652**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1050	20.0	1000	0	105	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1612A50 RcptNo: 1

Received by/date: AG 12/20/16

Logged By: Lindsey Concha 12/20/2016 8:10:00 AM

Completed By: Lindsey Concha 12/20/16

Reviewed By: 12/20/16

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

Client:	Animas Environmental Services
Mailing Address:	604 W. Pinon Street
	Farmington, NM 87401
Phone #:	505-564-2281
email or Fax#:	emcnally@animasenvironmental.co
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other
□ EDD (Type)	

Turn-Around Time: X Standard □ Rush

Project Name: BMG Landfarm

Project #: AES 040605

Project Manager: Elizabeth McNally

Sampler: SG

On Ice: X Yes □ No

Sample Temperature: 1.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1612A50	BTEX 8021	TPH (GRO/DRO/MRO) 8015	TDS SM2540C	Chlorides 300.0	Air Bubbles (Y or N)
19 12/~~15~~/2016	12:10	H2O	MW-1	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-001	X	X	X	X	
19 12/~~15~~/2016	12:45	H2O	MW-2	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-002	X	X	X	X	
19 12/~~15~~/2016	11:10	H2O	MW-3	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-003	X	X	X	X	
19 12/~~15~~/2016	11:40	H2O	MW-4	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-004	X	X	X	X	
19 12/~~15~~/2016	13:30	H2O	Interstitial Well	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-005	X	X	X	X	
19 12/~~15~~/2016	13:10	H2O	Evaporation Pond Water	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-006	X	X	X	X	
aj 12/19		H2O	Trip Blank		Cold	-007					

Date: 12/19/16	Time: 1630	Relinquished by:	Received by:	Date 12/19/16	Time 1630
Date: 12/19/16	Time: 1931	Relinquished by:	Received by:	Date 12/20/16	Time 0810

Remarks:

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

December 21, 2016

Elizabeth McNally

Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX (505) 324-2022

RE: BMG Landfarm OrderNo.: 1612886

Dear Elizabeth McNally:

Hall Environmental Analysis Laboratory received 16 sample(s) on 12/16/2016 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 qualifers 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 #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-1
Project: BMG Landfarm
Collection Date: 12/15/2016 9:57:00 AM
Lab ID: 1612886-001 **Matrix:** SOIL **Received Date:** 12/16/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/19/2016 4:52:34 PM	29242
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/19/2016 4:52:34 PM	29242
Surr: DNOP	84.0	70-130		%Rec	1	12/19/2016 4:52:34 PM	29242
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/19/2016 10:03:32 AM	29238
Surr: BFB	87.1	68.3-144		%Rec	1	12/19/2016 10:03:32 AM	29238
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/19/2016 10:03:32 AM	29238
Toluene	ND	0.048		mg/Kg	1	12/19/2016 10:03:32 AM	29238
Ethylbenzene	ND	0.048		mg/Kg	1	12/19/2016 10:03:32 AM	29238
Xylenes, Total	ND	0.097		mg/Kg	1	12/19/2016 10:03:32 AM	29238
Surr: 4-Bromofluorobenzene	93.8	80-120		%Rec	1	12/19/2016 10:03:32 AM	29238

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-2
Project: BMG Landfarm
Collection Date: 12/15/2016 10:14:00 AM
Lab ID: 1612886-002 **Matrix:** SOIL **Received Date:** 12/16/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/19/2016 5:19:31 PM	29242
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/19/2016 5:19:31 PM	29242
Surr: DNOP	84.2	70-130		%Rec	1	12/19/2016 5:19:31 PM	29242
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/19/2016 11:16:34 AM	29238
Surr: BFB	90.4	68.3-144		%Rec	1	12/19/2016 11:16:34 AM	29238
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/19/2016 11:16:34 AM	29238
Toluene	ND	0.047		mg/Kg	1	12/19/2016 11:16:34 AM	29238
Ethylbenzene	ND	0.047		mg/Kg	1	12/19/2016 11:16:34 AM	29238
Xylenes, Total	ND	0.094		mg/Kg	1	12/19/2016 11:16:34 AM	29238
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	12/19/2016 11:16:34 AM	29238

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-3
Project: BMG Landfarm
Collection Date: 12/15/2016 10:25:00 AM
Lab ID: 1612886-003 **Matrix:** SOIL **Received Date:** 12/16/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/19/2016 5:46:52 PM	29242
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/19/2016 5:46:52 PM	29242
Surr: DNOP	84.9	70-130		%Rec	1	12/19/2016 5:46:52 PM	29242
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/19/2016 12:29:52 PM	29238
Surr: BFB	91.7	68.3-144		%Rec	1	12/19/2016 12:29:52 PM	29238
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/19/2016 12:29:52 PM	29238
Toluene	ND	0.049		mg/Kg	1	12/19/2016 12:29:52 PM	29238
Ethylbenzene	ND	0.049		mg/Kg	1	12/19/2016 12:29:52 PM	29238
Xylenes, Total	ND	0.097		mg/Kg	1	12/19/2016 12:29:52 PM	29238
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	12/19/2016 12:29:52 PM	29238

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-4
Project: BMG Landfarm
Collection Date: 12/15/2016 10:35:00 AM
Lab ID: 1612886-004 **Matrix:** SOIL **Received Date:** 12/16/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/19/2016 6:14:06 PM	29242
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/19/2016 6:14:06 PM	29242
Surr: DNOP	83.3	70-130		%Rec	1	12/19/2016 6:14:06 PM	29242
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/19/2016 12:54:14 PM	29238
Surr: BFB	89.2	68.3-144		%Rec	1	12/19/2016 12:54:14 PM	29238
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/19/2016 12:54:14 PM	29238
Toluene	ND	0.049		mg/Kg	1	12/19/2016 12:54:14 PM	29238
Ethylbenzene	ND	0.049		mg/Kg	1	12/19/2016 12:54:14 PM	29238
Xylenes, Total	ND	0.097		mg/Kg	1	12/19/2016 12:54:14 PM	29238
Surr: 4-Bromofluorobenzene	98.1	80-120		%Rec	1	12/19/2016 12:54:14 PM	29238

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-1
Project: BMG Landfarm
Collection Date: 12/15/2016 10:53:00 AM
Lab ID: 1612886-005 **Matrix:** SOIL **Received Date:** 12/16/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	12/19/2016 6:41:19 PM	29242
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/19/2016 6:41:19 PM	29242
Surr: DNOP	85.5	70-130		%Rec	1	12/19/2016 6:41:19 PM	29242
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/19/2016 1:18:34 PM	29238
Surr: BFB	87.2	68.3-144		%Rec	1	12/19/2016 1:18:34 PM	29238
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/19/2016 1:18:34 PM	29238
Toluene	ND	0.049		mg/Kg	1	12/19/2016 1:18:34 PM	29238
Ethylbenzene	ND	0.049		mg/Kg	1	12/19/2016 1:18:34 PM	29238
Xylenes, Total	ND	0.098		mg/Kg	1	12/19/2016 1:18:34 PM	29238
Surr: 4-Bromofluorobenzene	93.6	80-120		%Rec	1	12/19/2016 1:18:34 PM	29238

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-2
Project: BMG Landfarm
Collection Date: 12/15/2016 11:03:00 AM
Lab ID: 1612886-006 **Matrix:** SOIL **Received Date:** 12/16/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	12/19/2016 7:08:37 PM	29242
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/19/2016 7:08:37 PM	29242
Surr: DNOP	84.5	70-130		%Rec	1	12/19/2016 7:08:37 PM	29242
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/19/2016 1:42:55 PM	29238
Surr: BFB	86.8	68.3-144		%Rec	1	12/19/2016 1:42:55 PM	29238
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/19/2016 1:42:55 PM	29238
Toluene	ND	0.048		mg/Kg	1	12/19/2016 1:42:55 PM	29238
Ethylbenzene	ND	0.048		mg/Kg	1	12/19/2016 1:42:55 PM	29238
Xylenes, Total	ND	0.095		mg/Kg	1	12/19/2016 1:42:55 PM	29238
Surr: 4-Bromofluorobenzene	94.9	80-120		%Rec	1	12/19/2016 1:42:55 PM	29238

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-3
Project: BMG Landfarm
Collection Date: 12/15/2016 11:12:00 AM
Lab ID: 1612886-007 **Matrix:** SOIL **Received Date:** 12/16/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/19/2016 7:35:40 PM	29242
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/19/2016 7:35:40 PM	29242
Surr: DNOP	85.5	70-130		%Rec	1	12/19/2016 7:35:40 PM	29242
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/19/2016 2:07:19 PM	29238
Surr: BFB	84.8	68.3-144		%Rec	1	12/19/2016 2:07:19 PM	29238
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	12/19/2016 2:07:19 PM	29238
Toluene	ND	0.050		mg/Kg	1	12/19/2016 2:07:19 PM	29238
Ethylbenzene	ND	0.050		mg/Kg	1	12/19/2016 2:07:19 PM	29238
Xylenes, Total	ND	0.099		mg/Kg	1	12/19/2016 2:07:19 PM	29238
Surr: 4-Bromofluorobenzene	90.4	80-120		%Rec	1	12/19/2016 2:07:19 PM	29238

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-4
Project: BMG Landfarm
Collection Date: 12/15/2016 11:23:00 AM
Lab ID: 1612886-008 **Matrix:** SOIL **Received Date:** 12/16/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/19/2016 8:02:42 PM	29242
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/19/2016 8:02:42 PM	29242
Surr: DNOP	89.3	70-130		%Rec	1	12/19/2016 8:02:42 PM	29242
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/19/2016 2:31:41 PM	29238
Surr: BFB	89.9	68.3-144		%Rec	1	12/19/2016 2:31:41 PM	29238
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	12/19/2016 2:31:41 PM	29238
Toluene	ND	0.047		mg/Kg	1	12/19/2016 2:31:41 PM	29238
Ethylbenzene	ND	0.047		mg/Kg	1	12/19/2016 2:31:41 PM	29238
Xylenes, Total	ND	0.093		mg/Kg	1	12/19/2016 2:31:41 PM	29238
Surr: 4-Bromofluorobenzene	99.0	80-120		%Rec	1	12/19/2016 2:31:41 PM	29238

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-1
Project: BMG Landfarm
Collection Date: 12/15/2016 11:43:00 AM
Lab ID: 1612886-009
Matrix: SOIL
Received Date: 12/16/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/19/2016 8:29:43 PM	29242
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/19/2016 8:29:43 PM	29242
Surr: DNOP	85.3	70-130		%Rec	1	12/19/2016 8:29:43 PM	29242
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/19/2016 2:56:07 PM	29238
Surr: BFB	87.2	68.3-144		%Rec	1	12/19/2016 2:56:07 PM	29238
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	12/19/2016 2:56:07 PM	29238
Toluene	ND	0.050		mg/Kg	1	12/19/2016 2:56:07 PM	29238
Ethylbenzene	ND	0.050		mg/Kg	1	12/19/2016 2:56:07 PM	29238
Xylenes, Total	ND	0.10		mg/Kg	1	12/19/2016 2:56:07 PM	29238
Surr: 4-Bromofluorobenzene	94.1	80-120		%Rec	1	12/19/2016 2:56:07 PM	29238

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-2
Project: BMG Landfarm
Collection Date: 12/15/2016 11:54:00 AM
Lab ID: 1612886-010
Matrix: SOIL
Received Date: 12/16/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/19/2016 8:56:59 PM	29242
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/19/2016 8:56:59 PM	29242
Surr: DNOP	87.6	70-130		%Rec	1	12/19/2016 8:56:59 PM	29242
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/19/2016 3:20:30 PM	29238
Surr: BFB	86.0	68.3-144		%Rec	1	12/19/2016 3:20:30 PM	29238
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/19/2016 3:20:30 PM	29238
Toluene	ND	0.048		mg/Kg	1	12/19/2016 3:20:30 PM	29238
Ethylbenzene	ND	0.048		mg/Kg	1	12/19/2016 3:20:30 PM	29238
Xylenes, Total	ND	0.096		mg/Kg	1	12/19/2016 3:20:30 PM	29238
Surr: 4-Bromofluorobenzene	93.4	80-120		%Rec	1	12/19/2016 3:20:30 PM	29238

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-3
Project: BMG Landfarm
Collection Date: 12/15/2016 12:06:00 PM
Lab ID: 1612886-011
Matrix: SOIL
Received Date: 12/16/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	15	10		mg/Kg	1	12/19/2016 9:23:57 PM	29242
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/19/2016 9:23:57 PM	29242
Surr: DNOP	88.6	70-130		%Rec	1	12/19/2016 9:23:57 PM	29242
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/19/2016 5:46:59 PM	29238
Surr: BFB	86.6	68.3-144		%Rec	1	12/19/2016 5:46:59 PM	29238
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/19/2016 5:46:59 PM	29238
Toluene	ND	0.048		mg/Kg	1	12/19/2016 5:46:59 PM	29238
Ethylbenzene	ND	0.048		mg/Kg	1	12/19/2016 5:46:59 PM	29238
Xylenes, Total	ND	0.096		mg/Kg	1	12/19/2016 5:46:59 PM	29238
Surr: 4-Bromofluorobenzene	94.1	80-120		%Rec	1	12/19/2016 5:46:59 PM	29238

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-4
Project: BMG Landfarm
Collection Date: 12/15/2016 12:15:00 PM
Lab ID: 1612886-012
Matrix: SOIL
Received Date: 12/16/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	12/19/2016 9:51:02 PM	29242
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/19/2016 9:51:02 PM	29242
Surr: DNOP	91.2	70-130		%Rec	1	12/19/2016 9:51:02 PM	29242
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/19/2016 6:11:22 PM	29238
Surr: BFB	86.5	68.3-144		%Rec	1	12/19/2016 6:11:22 PM	29238
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	12/19/2016 6:11:22 PM	29238
Toluene	ND	0.046		mg/Kg	1	12/19/2016 6:11:22 PM	29238
Ethylbenzene	ND	0.046		mg/Kg	1	12/19/2016 6:11:22 PM	29238
Xylenes, Total	ND	0.093		mg/Kg	1	12/19/2016 6:11:22 PM	29238
Surr: 4-Bromofluorobenzene	92.6	80-120		%Rec	1	12/19/2016 6:11:22 PM	29238

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-1
Project: BMG Landfarm
Collection Date: 12/15/2016 12:31:00 PM
Lab ID: 1612886-013
Matrix: SOIL
Received Date: 12/16/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/19/2016 10:18:01 PM	29242
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/19/2016 10:18:01 PM	29242
Surr: DNOP	80.2	70-130		%Rec	1	12/19/2016 10:18:01 PM	29242
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/19/2016 6:35:41 PM	29238
Surr: BFB	90.3	68.3-144		%Rec	1	12/19/2016 6:35:41 PM	29238
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/19/2016 6:35:41 PM	29238
Toluene	ND	0.048		mg/Kg	1	12/19/2016 6:35:41 PM	29238
Ethylbenzene	ND	0.048		mg/Kg	1	12/19/2016 6:35:41 PM	29238
Xylenes, Total	ND	0.096		mg/Kg	1	12/19/2016 6:35:41 PM	29238
Surr: 4-Bromofluorobenzene	97.6	80-120		%Rec	1	12/19/2016 6:35:41 PM	29238

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-2
Project: BMG Landfarm
Collection Date: 12/15/2016 12:47:00 PM
Lab ID: 1612886-014
Matrix: SOIL
Received Date: 12/16/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/19/2016 10:45:00 PM	29242
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/19/2016 10:45:00 PM	29242
Surr: DNOP	78.3	70-130		%Rec	1	12/19/2016 10:45:00 PM	29242
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/19/2016 7:00:00 PM	29238
Surr: BFB	87.9	68.3-144		%Rec	1	12/19/2016 7:00:00 PM	29238
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	12/19/2016 7:00:00 PM	29238
Toluene	ND	0.050		mg/Kg	1	12/19/2016 7:00:00 PM	29238
Ethylbenzene	ND	0.050		mg/Kg	1	12/19/2016 7:00:00 PM	29238
Xylenes, Total	ND	0.10		mg/Kg	1	12/19/2016 7:00:00 PM	29238
Surr: 4-Bromofluorobenzene	95.6	80-120		%Rec	1	12/19/2016 7:00:00 PM	29238

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-3
Project: BMG Landfarm
Collection Date: 12/15/2016 12:58:00 PM
Lab ID: 1612886-015
Matrix: SOIL
Received Date: 12/16/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/19/2016 11:11:58 PM	29242
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/19/2016 11:11:58 PM	29242
Surr: DNOP	79.4	70-130		%Rec	1	12/19/2016 11:11:58 PM	29242
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/19/2016 7:24:26 PM	29238
Surr: BFB	86.6	68.3-144		%Rec	1	12/19/2016 7:24:26 PM	29238
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	12/19/2016 7:24:26 PM	29238
Toluene	ND	0.050		mg/Kg	1	12/19/2016 7:24:26 PM	29238
Ethylbenzene	ND	0.050		mg/Kg	1	12/19/2016 7:24:26 PM	29238
Xylenes, Total	ND	0.099		mg/Kg	1	12/19/2016 7:24:26 PM	29238
Surr: 4-Bromofluorobenzene	93.7	80-120		%Rec	1	12/19/2016 7:24:26 PM	29238

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-4
Project: BMG Landfarm
Collection Date: 12/15/2016 1:10:00 PM
Lab ID: 1612886-016
Matrix: SOIL
Received Date: 12/16/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/19/2016 11:39:00 PM	29242
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/19/2016 11:39:00 PM	29242
Surr: DNOP	80.4	70-130		%Rec	1	12/19/2016 11:39:00 PM	29242
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/19/2016 7:48:53 PM	29238
Surr: BFB	86.2	68.3-144		%Rec	1	12/19/2016 7:48:53 PM	29238
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	12/19/2016 7:48:53 PM	29238
Toluene	ND	0.047		mg/Kg	1	12/19/2016 7:48:53 PM	29238
Ethylbenzene	ND	0.047		mg/Kg	1	12/19/2016 7:48:53 PM	29238
Xylenes, Total	ND	0.094		mg/Kg	1	12/19/2016 7:48:53 PM	29238
Surr: 4-Bromofluorobenzene	91.8	80-120		%Rec	1	12/19/2016 7:48:53 PM	29238

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1612886**

21-Dec-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**LCS-29242**	SampType:	**LCS**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**LCSS**	Batch ID:	**29242**		RunNo:	**39484**				
Prep Date:	**12/16/2016**	Analysis Date:	**12/19/2016**		SeqNo:	**1236862**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.1	63.8	116			
Surr: DNOP	4.2		5.000		83.6	70	130			

Sample ID	**MB-29242**	SampType:	**MBLK**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**PBS**	Batch ID:	**29242**		RunNo:	**39484**				
Prep Date:	**12/16/2016**	Analysis Date:	**12/19/2016**		SeqNo:	**1236863**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.7		10.00		76.8	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1612886**

21-Dec-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **MB-29238**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **29238**	RunNo: **39494**
Prep Date: **12/16/2016**	Analysis Date: **12/19/2016**	SeqNo: **1237123** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	840		1000		83.6	68.3	144			

Sample ID **LCS-29238**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **29238**	RunNo: **39494**
Prep Date: **12/16/2016**	Analysis Date: **12/19/2016**	SeqNo: **1237124** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	109	74.6	123			
Surr: BFB	950		1000		94.6	68.3	144			

Sample ID **1612886-002AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **Cell #1 VZ S-2**	Batch ID: **29238**	RunNo: **39494**
Prep Date: **12/16/2016**	Analysis Date: **12/19/2016**	SeqNo: **1237127** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	4.9	24.46	0	83.7	61.3	150			
Surr: BFB	860		978.5		88.2	68.3	144			

Sample ID **1612886-002AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **Cell #1 VZ S-2**	Batch ID: **29238**	RunNo: **39494**
Prep Date: **12/16/2016**	Analysis Date: **12/19/2016**	SeqNo: **1237128** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.6	22.98	0	90.6	61.3	150	1.69	20	
Surr: BFB	850		919.1		92.2	68.3	144	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1612886**

21-Dec-16

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **MB-29238**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **29238**	RunNo: **39494**
Prep Date: **12/16/2016**	Analysis Date: **12/19/2016**	SeqNo: **1237149** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.87		1.000		87.0	80	120			

Sample ID **LCS-29238**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **29238**	RunNo: **39494**
Prep Date: **12/16/2016**	Analysis Date: **12/19/2016**	SeqNo: **1237150** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	109	75.2	115			
Toluene	1.1	0.050	1.000	0	108	80.7	112			
Ethylbenzene	1.0	0.050	1.000	0	102	78.9	117			
Xylenes, Total	2.8	0.10	3.000	0	94.6	79.2	115			
Surr: 4-Bromofluorobenzene	0.91		1.000		91.5	80	120			

Sample ID **1612886-001AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **Cell #1 VZ S-1**	Batch ID: **29238**	RunNo: **39494**
Prep Date: **12/16/2016**	Analysis Date: **12/19/2016**	SeqNo: **1237152** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.83	0.024	0.9775	0	85.1	61.5	138			
Toluene	0.77	0.049	0.9775	0	78.5	71.4	127			
Ethylbenzene	0.74	0.049	0.9775	0	75.7	70.9	132			
Xylenes, Total	2.2	0.098	2.933	0	73.4	76.2	123			S
Surr: 4-Bromofluorobenzene	0.91		0.9775		93.0	80	120			

Sample ID **1612886-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **Cell #1 VZ S-1**	Batch ID: **29238**	RunNo: **39494**
Prep Date: **12/16/2016**	Analysis Date: **12/19/2016**	SeqNo: **1237154** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	0.9814	0	90.7	61.5	138	6.77	20	
Toluene	0.89	0.049	0.9814	0	90.5	71.4	127	14.5	20	
Ethylbenzene	0.86	0.049	0.9814	0	87.9	70.9	132	15.3	20	
Xylenes, Total	2.4	0.098	2.944	0	83.1	76.2	123	12.8	20	
Surr: 4-Bromofluorobenzene	0.93		0.9814		95.0	80	120	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1612886 RcptNo: 1

Received by/date: LM 12/16/16

Logged By: Andy Jansson 12/16/2016 7:15:00 AM

Completed By: Andy Jansson 12/16/16

Reviewed By: JAG 12/16/16

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.3	Good	Yes			

Chain-of-Custody Record

Client:	**Animas Environmental Services**
Mailing Address:	**604 W. Pinon Street**
	Farmington, NM 87401
Phone #:	**505-564-2281**
email or Fax#:	emcnally@animasenvironmental.co
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other_____
□ EDD (Type) _____	

Turn-Around Time:

X Standard □ **Rush**_____

Project Name: **BMG Landfarm**

Project #: **AES 040605**

Project Manager: **Elizabeth McNally**

Sampler: S. Glasses/J. Sandoval

On Ice: X Yes □ No

Sample Temperature: 3.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1612486	Analysis Request: BTEX 8021	TPH (GRO, DRO, MRO) 8015								Air Bubbles (Y or N)
12/15/2016	09:57	Soil	Cell #1 VZ S-1	2- 4 oz jars	Cool	-001	X	X								
12/15/2016	10:14	Soil	Cell #1 VZ S-2	2- 4 oz jars	Cool	-002	X	X								
12/15/2016	10:25	Soil	Cell #1 VZ S-3	2- 4 oz jars	Cool	-003	X	X								
12/15/2016	10:35	Soil	Cell #1 VZ S-4	2- 4 oz jars	Cool	-004	X	X								
12/15/2016	10:53	Soil	Cell #2 VZ S-1	2- 4 oz jars	Cool	-005	X	X								
12/15/2016	11:03	Soil	Cell #2 VZ S-2	2- 4 oz jars	Cool	-006	X	X								
12/15/2016	11:12	Soil	Cell #2 VZ S-3	2- 4 oz jars	Cool	-007	X	X								
12/15/2016	11:23	Soil	Cell #2 VZ S-4	2- 4 oz jars	Cool	-008	X	X								

Recieved By: 12/16/16 0715

Chain-of-Custody Record

Client:	**Animas Environmental Services**
Mailing Address:	**604 W. Pinon Street**
	Farmington, NM 87401
Phone #:	**505-564-2281**
email or Fax#:	emcnally@animasenvironmental.co
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other_____
□ EDD (Type) _____	

Turn-Around Time:

X Standard □ **Rush**_____

Project Name: **BMG Landfarm**

Project #: **AES 040605**

Project Manager: **Elizabeth McNally**

Sampler: S. Glasses/J. Sandoval

On Ice: X Yes □ No

Sample Temperature: 3.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1612656	BTEX 8021	TPH (GRO, DRO, MRO) 8015	Air Bubbles (Y or N)
12/15/2016	11:43	Soil	Cell #3 VZ S-1	2- 4 oz jars	Cool	-009	X	X	
12/15/2016	11:54	Soil	Cell #3 VZ S-2	2- 4 oz jars	Cool	-010	X	X	
12/15/2016	12:06	Soil	Cell #3 VZ S-3	2- 4 oz jars	Cool	-011	X	X	
12/15/2016	12:15	Soil	Cell #3 VZ S-4	2- 4 oz jars	Cool	-012	X	X	
12/15/2016	12:31	Soil	Cell #4 VZ S-1	2- 4 oz jars	Cool	-013	X	X	
12/15/2016	12:47	Soil	Cell #4 VZ S-2	2- 4 oz jars	Cool	-014	X	X	
12/15/2016	12:58	Soil	Cell #4 VZ S-3	2- 4 oz jars	Cool	-015	X	X	
12/15/2016	13:10	Soil	Cell #4 VZ S-4	2- 4 oz jars	Cool	-016	X	X	

Analysis Request

Date	Time	Relinquished by:	Received by:	Date	Time
12/15/14	1647			12/15/16	1647
12/15/16	1813			12/16/16	0715

Remarks: Call if questions.

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.

DEPTH TO GROUNDWATER MEASUREMENT FORM

Animas Environmental Services
604 W. Pinon St, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project: Groundwater Monitoring
Site: BMG
Location: Evaporation Pond
Tech: L. Lemone

Project No.:
Date: 4-13-2017
Time: 1030
Form: 1 of 1

Well I.D.	Time	Depth to NAPL (ft.)	Depth to Water (ft.)	NAPL Thickness (ft.)	Notes / Observations
MW-1	1127		39.83		
MW-2	1132		40.90		
MW-3	1137		40.18		26" aboveground well casing
MW-4	1120		40.68		45.64
I.W.	1039		10.16		12.10 6" PVC

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
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: Lamone, L.
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 39.83 **Time:** 1127 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 39.82 **Time:** 1226 *(taken prior to purging well)*
Final D.T.W. (ft): 45.05 **Time:** 1240 *(taken after sample collection)*
If NAPL Present: D.T.P.:_____ D.T.W.:_____ Thickness:_____ Time:_____

Project No.:
Date: 4-13-2017
Arrival Time: 1223 (1235 sample time)
Air Temp: 60° F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.61

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
							H2o clear
							no odor
							no sheen

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

5.79 H2o column
0.94 H2o Volume
2.83 Total Purge Volume

35" above ground well stem.
Only able to purge 1.25 gal.
Slow to no recovery

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-2

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: L. Lamone
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.90 **Time:** 1132 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.90 **Time:** 1251 *(taken prior to purging well)*
Final D.T.W. (ft): 45.00 **Time:** 1301 *(taken after sample collection)*
If NAPL Present: D.T.P.:_____ D.T.W.:_____ Thickness:_____ Time:_____

Project No.:
Date: 4-13-2017
Arrival Time: 1247 (1258 sample Time)
Air Temp: 60°
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.56

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
							Initial bailer
							clear.
							"murky" next
							2 bailers
							Sampled @
							0.75 gal.
							well no recharge

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

4.66 Hw column
0.76 H_2O Volume
2.28 Total vol. purged

29" above ground well stem
Only able to purge .75 gal. NO recharge.

Revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-3

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: C. Lamone
Purge / No Purge: Purge
Well Diameter (in): 2

Project No.:
Date: 4-13-2017
Arrival Time: 1311 (1325 sample time)
Air Temp: 60° F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.61

Initial D.T.W. (ft): 40.18 **Time:** 1137 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.18 **Time:** 1313 *(taken prior to purging well)*
Final D.T.W. (ft): 44.77 **Time:** 1327 *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
							Clear H2O @
							initial bailer
							Murky H2O
							no sheen
							no odor.

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

5.43 H2O column
0.87 H2O volume
2.66 Total volume to be purged

26" above ground well casing stem.
only able to purge 1.0 gal.

Revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-4

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: L. Lamore
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.68 **Time:** 1120 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.68 **Time:** 1203 *(taken prior to purging well)*
Final D.T.W. (ft): 44.66 **Time:** 1215 *(taken after sample collection)*
If NAPL Present: **D.T.P.:**_____ **D.T.W.:**_____ **Thickness:**_____ **Time:**_____

Project No.:
Date: 4-13-2017
Arrival Time: 1145 (1212 Sample Time)
Air Temp: 59° F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.64

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

4.98 H2o column
.81 H2o volume
2.43 gal. to be purged

32½" of well stem above ground.
was only able to purge .75 gal of H2O.

Revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: Interstital

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: BMG
Location: Landfarm / Evap. Pond
Project: Groundwater Monitoring and Sampling
Sampling Technician: L. Lamone
Purge / No Purge: Purge
Well Diameter (in): 6"
Initial D.T.W. (ft): 10.16 **Time:** 1039 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 11.27 **Time:** 1339 *(taken prior to purging well)*
Final D.T.W. (ft): **Time:** *(taken after sample collection)*
If NAPL Present: D.T.P.: D.T.W.: Thickness: Time:

Project No.:
Date: 4-13-2017
Arrival Time: 1030 / 1336
Air Temp: 58° F
T.O.C. Elev. (ft):
Total Well Depth (ft): 12.10

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1040-1112							Bailed 7 gal.
							of H2O ... well
							Steady @ 11.11

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

DEPTH TO GROUNDWATER MEASUREMENT FORM

Animas Environmental Services
604 W. Pinon St, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project: Groundwater Monitoring
Site: BMG
Location: Evaporation Pond
Tech: S. Glasses

Project No.:
Date: 06/20/17
Time: 1100
Form: 1 of 1

Well I.D.	Time	Depth to NAPL (ft.)	Depth to Water (ft.)	NAPL Thickness (ft.)	Notes / Observations
MW-1	1222		39.88		
MW-2	1302		40.94		
MW-3	1105		40.23		
MW-4	1142		40.75		

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
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Glasses
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 39.88 **Time:** 1221 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 39.88 **Time:** 1222 *(taken prior to purging well)*
Final D.T.W. (ft): 45.11 **Time:** 1252 *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.:
Date: 6-20-17
Arrival Time: 1220
Air Temp:
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.61

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1227	15.19	1.030	6.65	7.31	133.0	initial	Clear H_2O, No odor
1231	13.23	1.017	5.95	7.35	130.2	0.5	Cloudy Tan H_2O Medium Turbidity, No odor
1251	~	~	~	~	~	→	Sample Collected

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: Onto ground surface
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Low Yield, wait 15 minutes for recharge of well.
Early Sample Collection due to Low Yield

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-2

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Glasses
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.93 **Time:** 1300 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.94 **Time:** 1302 *(taken prior to purging well)*
Final D.T.W. (ft): 44.99 **Time:** 1329 *(taken after sample collection)*
If NAPL Present: D.T.P.: _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: _____
Date: 6-20-17
Arrival Time: 1257
Air Temp: 83°F
T.O.C. Elev. (ft): _____
Total Well Depth (ft): 45.56

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1307	14.85	2.790	9.19	7.47	152.5	initial	Clear H2O, No odor
1311	13.04	2.808	8.50	7.36	150.9	0.5	Cloudy Tan H2O, No odor High Turbidity
1327							Sample Collected

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: Onto ground surface
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Low Yield, wait 15 minutes for recharge of well.
Early sample collection due to low Yield

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-3

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: J. Glasses
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.23 **Time:** 1104 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.23 **Time:** 1105 *(taken prior to purging well)*
Final D.T.W. (ft): 44.18 **Time:** 1132 *(taken after sample collection)*
If NAPL Present: D.T.P.:_____ D.T.W.:_____ Thickness:_____ Time:_____

Project No.:
Date: 6-20-17
Arrival Time: 1102
Air Temp:
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.61

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1109	15.01	0.976	8.31	7.32	135.8	initial	Clear H_2O, No odor
1113	13.03	0.961	7.66	7.30	140.7	.5	cloudy Tan, No odor High Turbidity
1131						→	Sample Collected

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: Onto grassed surface
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Low Yield, wait 15 minutes for recharge of well. Early sample collection due to low yield

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-4

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Glasses
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.75 **Time:** 1141 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.75 **Time:** 1142 *(taken prior to purging well)*
Final D.T.W. (ft): 44.58 **Time:** 1213 *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: _____
Date: 6-20-17
Arrival Time: 1140
Air Temp: _____
T.O.C. Elev. (ft): _____
Total Well Depth (ft): 45.64

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1148	14.91	1.355	7.72	7.28	140.3	initial	clear H_2O, No odor
1152	13.89	1336	7.70	7.29	141.9	0.5	cloudy Tan H_2O High Turbidity, No odor
1212	~	~	~	~	~	→	Sample Collected

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: Onto gravel surface
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Low Yield, waited 15 minutes for recharge of well. Early sample collection due to low yield

BMG Landfarm Sampling - Vadose Zone (VZ)

Date: 6/28/2017

Cell #	Cell # 1 VZ S-1
Sample ID: (S-1 through S-4)	
GPS:	N: 36.38895° W: 106.86599
Time of sample:	9:46
Shovel depth:	1.5"
Auger depth (2.5' total depth):	clay red color
Soil characteristics: (odor, color, texture)	

Cell #	Cell #1 VZ S-2
Sample ID: (S-1 through S-4)	
GPS:	N 36.38931 W 106.86669
Time of sample:	10:06
Shovel depth:	1.5"
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	no oder white pieces, sandy clay

Cell #	Cell #1 VZ S-3
Sample ID: (S-1 through S-4)	
GPS:	N 36.38930 W 106.86690
Time of sample:	10:24
Shovel depth:	
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	clay & no oder

Cell #	Cell #1 VZ S-4
Sample ID: (S-1 through S-4)	
GPS:	N 36.38964 W 106.86761
Time of sample:	10:38
Shovel depth:	
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	slighty dark, red no oder

BMG Landfarm Sampling - Vadose Zone (VZ)

Date:

Cell #	cell #2 VZ S-1
Sample ID: (S-1 through S-4)	
GPS:	N 36.39005 W 106.86694
Time of sample:	10:50
Shovel depth:	
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	sandy, brown, no oder

Cell #	cell #2 VZ S-2
Sample ID: (S-1 through S-4)	
GPS:	N 36.38996 W 106.86647
Time of sample:	11:05
Shovel depth:	
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	sandy tan no oder

Cell #	cell #2 VZ S-3
Sample ID: (S-1 through S-4)	
GPS:	N 36.39006 W 106.86609
Time of sample:	11:18
Shovel depth:	
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	sandy tan no oder

Cell #	cell #2 VZ S-4
Sample ID: (S-1 through S-4)	
GPS:	N 36.38979 W 106.86561
Time of sample:	11:32
Shovel depth:	
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	sandy tan no oder

BMG Landfarm Sampling - Vadose Zone (VZ)

Date:

Cell #	Cell #3 VZ S-1
Sample ID: (S-1 through S-4)	
GPS:	N 36.38919 W 106.86507
Time of sample:	11:50
Shovel depth:	
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	no oder ten sandy soil

Cell #	cell #3 VZ S-2
Sample ID: (S-1 through S-4)	
GPS:	N 36.38931 W 106.86468
Time of sample:	12:04
Shovel depth:	
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	sandy clay red no oder

Cell #	Cell #3 VZ S-3
Sample ID: (S-1 through S-4)	
GPS:	N 36.38934 W 106.86406
Time of sample:	12:18
Shovel depth:	
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	dark red/brown clay no oder

Cell #	cell #3 VZ S-4
Sample ID: (S-1 through S-4)	
GPS:	N 36.38894 W 106.86420
Time of sample:	12:35
Shovel depth:	
Auger depth (2.5' total depth):	red clay no oder
Soil characteristics: (odor, color, texture)	

BMG Landfarm Sampling - Vadose Zone (VZ)

Date:

Cell #	cell # 4 VZ S-1
Sample ID: (S-1 through S-4)	
GPS:	N 36.38889 W 106.86230
Time of sample:	12:50
Shovel depth:	
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	sandy clay red no oder

Cell #	cell #4 VZ S-2
Sample ID: (S-1 through S-4)	
GPS:	N 36.38905° W 106.86255
Time of sample:	1301
Shovel depth:	
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	red sandy clay no oder

Cell #	cell #4 VZ S-3
Sample ID: (S-1 through S-4)	
GPS:	N 36.38916 W 106.86295
Time of sample:	1317
Shovel depth:	
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	red sandy clay no oder

Cell #	cell #4 VZ S-4
Sample ID: (S-1 through S-4)	
GPS:	N 36.38824 W 106.86327
Time of sample:	1328
Shovel depth:	
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	brown sandy clay no oder

DEPTH TO GROUNDWATER MEASUREMENT FORM

Animas Environmental Services
604 W. Pinon St, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project: Groundwater Monitoring
Site: BMG
Location: Evaporation Pond
Tech: C. Lameman

Project No.:
Date: 09/14/17
Time: 10:32 - 13:15
Form: 1 of 1

Well I.D.	Time	Depth to NAPL (ft.)	Depth to Water (ft.)	NAPL Thickness (ft.)	Notes / Observations
MW-1	11:34	-	39.95	-	
MW-2	12:08	-	41.01	-	
MW-3	12:33	-	40.31	-	
MW-4	11:05	-	40.83	-	

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
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: C. Lameman
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 39.95 **Time:** 11:32 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 39.95 **Time:** 11:34 *(taken prior to purging well)*
Final D.T.W. (ft): 45.04 **Time:** 11:37 *(taken after sample collection)*
If NAPL Present: **D.T.P.:**_____ **D.T.W.:**_____ **Thickness:**_____ **Time:**_____

Project No.:
Date: 9-14-17
Arrival Time: 11:28
Air Temp: 73°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.61

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (~~mS~~)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
11:37	14.11	1.007	7.90	7.35	190.8	Initial	Clear / No Odor
11:45						1.5	Samples Collected.
							Low Yield. Tan-Brown
							Sed, No Odor

Analytical Parameters (include analysis method and number and type of sample containers)

(3) 40 mL glass - HCl
(1) 250 mL amber glass - Non
(1) 500 mL plastic - Non

Disposal of Purged Water: On Ground Surface
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-2

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: C. Lameman
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 41.01 **Time:** 12:05 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 41.01 **Time:** 12:08 *(taken prior to purging well)*
Final D.T.W. (ft): 45.11 **Time:** 12:22 *(taken after sample collection)*
If NAPL Present: D.T.P.:_____ D.T.W.:_____ Thickness:_____ Time:_____

Project No.:
Date: 9-14-17
Arrival Time: 11:54
Air Temp: 73°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.56

Water Quality Parameters - Recorded During Well Purging YSI #1

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
12:09						~~Initial~~	~~Extremely~~ Low Yield
12:09	14.25	3.053	10.29	7.37	168.0	Initial	~~No~~ YSI Readings.
12:20						1.0	Bailer was blocked
							Temporarily.
							Samples Collected.
							Waited for very
							Slow Recharge.
							Tan - Brown Sed, No Odor.

Analytical Parameters (include analysis method and number and type of sample containers)

(3) 40 mL glass - HCl
(1) 250 mL amber glass - Non
(1) 500 mL plastic - Non

Disposal of Purged Water: On ground Surface
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-3

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: C. Lamerman
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.30 **Time:** 12:31 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.31 **Time:** 12:33 *(taken prior to purging well)*
Final D.T.W. (ft): 44.87 **Time:** 12:49 *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: _____
Date: 9-14-17
Arrival Time: 12:27
Air Temp: 71°F
T.O.C. Elev. (ft): _____
Total Well Depth (ft): 45.61

Water Quality Parameters - Recorded During Well Purging

YSI #2

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
12:35	14.42	1.010	7.35	7.36	156.9	Initial	Clear/No Odor
12:37	13.20	0.982	7.30	7.31	160.5	1.25	Tan/No Odor Low Yield
12:47	—	—	—	—	—	1.5	Tan Sed/No Odor Low Yield
							Samples Collected
							No Readings. Waited
							on Recharge.

Analytical Parameters (include analysis method and number and type of sample containers)

(3) 40 mL glass - HCl
(1) 250 mL amber glass - Non
(1) 500 mL plastic - Non

Disposal of Purged Water: On Ground Surface
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-4

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: A. Lameman
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.82 **Time:** 11:03 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.83 **Time:** 11:05 *(taken prior to purging well)*
Final D.T.W. (ft): 44.98 **Time:** 11:22 *(taken after sample collection)*
If NAPL Present: D.T.P.:_____ D.T.W.:_____ Thickness:_____ Time:_____

Project No.:
Date: 9-14-17
Arrival Time: 1055
Air Temp:
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.64

Water Quality Parameters - Recorded During Well Purging YSI #2

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
11:10	14.32	1.354	8.25	7.21	144.3	Initial	Clear / No odor
11:20							Samples Collected.
							Low Yield. Waited
							for Recharge

Analytical Parameters (include analysis method and number and type of sample containers)

(3) 40 mL glass - HCl
(1) 250 mL amber glass - Non
(1) 500 mL plastic - Non

Disposal of Purged Water: On Ground Surface
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

BMG Landfarm Sampling - Treatment Zone (TZ)

Date: 9/20/2017

Cell #	1			
Sample ID:	Cell #1 TZ CS-1			
GPS:				
(4 locations)				
Time of sample:	10:44			
Sample depth:	0.5'			
Soil characteristics: (odor, color, texture)	1: Dark Brown @ 0.5' Clay & Sand Slt Odor, No Staining	2: Brown @ 0.5' Sand, FG No Odor, No Staining	3: Brown @ 0.5' Sand, CG No Odor, No Staining	4: Brown @ 0.5' Sand, MG No Odor, No Staining

Cell #	2			
Sample ID:	Cell #2 TZ CS-1			
GPS:				
(4 locations)				
Time of sample:	11:51			
Sample depth:	0.5'			
Soil characteristics: (odor, color, texture)	1: Hard Sand Clay Brown No Odor, No Staining	2: Hard Clay & Sand Dark Brown No Odor, No Staining	3: Hard Clay & Sand Dark Brown No Odor, No Staining	4: Sand, Dark Brown Sl. Odor, Minor Stain

Cell #	3			
Sample ID:	Cell #3 TZ CS-1			
GPS:				
(4 locations)				
Time of sample:	12:44			
Sample depth:	0.5'			
Soil characteristics: (odor, color, texture)	1: Hard Stiff Clay Dark Brown No Odor, No Staining	2: Clayey Sand Dark Brown No Odor, No Staining	3: Sand Red Brown No Odor, No Staining	4: Sand Red Brown No Odor, No Staining

Cell #	4		
Sample ID:	Cell #4 TZ CS-1		
GPS:			
(4 locations)			
Time of sample:	13:53		
Sample depth:			
Soil characteristics: (odor, color, texture)	1: Sand & Gravel Brown No Odor, No Staining	2: Sand Brown No Odor, No Staining	3: Sand Tan-Brown No Odor, No Staining

BMG Landfarm Sampling - Vadose Zone (VZ)

Date: 9-20-17

Cell #	1
Sample ID: (S-1 through S-4)	Cell # 1 VZ S-1
GPS:	36.38869, -106.86538
Time of sample:	9:56
Shovel depth:	~~2.5'~~ 2.0'
Auger depth (2.5' total depth):	0.5'
Soil characteristics: (odor, color, texture)	Sand, Brown, Moist, No Odor

Cell #	1
Sample ID: (S-1 through S-4)	Cell # 1 VZ S-2
GPS:	36.38899, -106.86604
Time of sample:	10:16
Shovel depth:	1.0'
Auger depth (2.5' total depth):	1.5
Soil characteristics: (odor, color, texture)	Sandy Clay, Stiff, Moist, No Odor, No Staining, MG-CG

Cell #	1
Sample ID: (S-1 through S-4)	Cell # 1 VZ S-3
GPS:	36.38924, -106.86664
Time of sample:	10:36
Shovel depth:	1.5'
Auger depth (2.5' total depth):	1.0'
Soil characteristics: (odor, color, texture)	Sand, MG-CG, Moist, Brown, No Odor, No Staining

Cell #	1
Sample ID: (S-1 through S-4)	Cell # 1 VZ S-4
GPS:	36.38960, -106.86739
Time of sample:	10:53
Shovel depth:	2.0'
Auger depth (2.5' total depth):	0.5'
Soil characteristics: (odor, color, texture)	Clayey Sand, Dark Brown, Stiff, MG, Moist, No Odor, No Staining

BMG Landfarm Sampling - Vadose Zone (VZ)

Date:

Cell #	2
Sample ID: (S-1 through S-4)	Cell #2 VZ S-1
GPS:	36.39023, -106.86702
Time of sample:	11:11
Shovel depth:	1.75'
Auger depth (2.5' total depth):	0.75'
Soil characteristics: (odor, color, texture)	Green-Brown, Sand w/ Clay, Moist, No Odor, No Staining

Cell #	2
Sample ID: (S-1 through S-4)	Cell #2 VZ S-2
GPS:	36.39027, -106.86662
Time of sample:	11:30
Shovel depth:	1.5'
Auger depth (2.5' total depth):	1.0'
Soil characteristics: (odor, color, texture)	Sand, CG, Tan Green Tint, Dry, No Odor, No Staining

Cell #	2
Sample ID: (S-1 through S-4)	Cell #2 VZ S-3
GPS:	36.39000, -106.86577
Time of sample:	11:43
Shovel depth:	1.75'
Auger depth (2.5' total depth):	0.75'
Soil characteristics: (odor, color, texture)	Sand, CG, Tan-Brown, Moist, No Odor, No Staining

Cell #	2
Sample ID: (S-1 through S-4)	Cell #2 VZ S-4
GPS:	36.38989, -106.86633
Time of sample:	11:57
Shovel depth:	1.5'
Auger depth (2.5' total depth):	1.0'
Soil characteristics: (odor, color, texture)	Sand, CG, Tan-Green, Moist, No Odor No Staining

BMG Landfarm Sampling - Vadose Zone (VZ)

Date:

Cell #	3
Sample ID: (S-1 through S-4)	Cell #3 VZ S-1
GPS:	36.38922, -106.86517
Time of sample:	12:12
Shovel depth:	1.5'
Auger depth (2.5' total depth):	1.0'
Soil characteristics: (odor, color, texture)	Sand, CG, Tan-Brown, No Odor, No Staining, Moist

Cell #	3
Sample ID: (S-1 through S-4)	Cell #3 VZ S-2
GPS:	36.38902, -106.86457
Time of sample:	12:24
Shovel depth:	1.5'
Auger depth (2.5' total depth):	1.0'
Soil characteristics: (odor, color, texture)	Sandy Clay, Grey Brown, MG, Plastic, Moist, Odor, Staining?

Cell #	3
Sample ID: (S-1 through S-4)	Cell #3 VZ S-3
GPS:	36.38907, -106.86410
Time of sample:	12:38
Shovel depth:	1.75'
Auger depth (2.5' total depth):	0.75'
Soil characteristics: (odor, color, texture)	Clay, Brown, Hard, Moist, No Odor, No Staining

Cell #	3
Sample ID: (S-1 through S-4)	Cell #3 VZ S-4
GPS:	~~36.38918~~ 36.38933, -106.86439
Time of sample:	12:49
Shovel depth:	1.75'
Auger depth (2.5' total depth):	0.75'
Soil characteristics: (odor, color, texture)	Sand to Clay, Red-Brown, No Odor, No Staining

BMG Landfarm Sampling - Vadose Zone (VZ)

Date:

Cell #	4
Sample ID: (S-1 through S-4)	Cell #4 VZ S-1
GPS:	36.38888, -106.86230
Time of sample:	13:09
Shovel depth:	1.5'
Auger depth (2.5' total depth):	1.0'
Soil characteristics: (odor, color, texture)	Sand, Brown, CG, Moist, No Odor, No Staining

Cell #	4
Sample ID: (S-1 through S-4)	Cell #4 VZ S-2
GPS:	36.38904, -106.86258
Time of sample:	13:20
Shovel depth:	1.5'
Auger depth (2.5' total depth):	1.0'
Soil characteristics: (odor, color, texture)	Sand w/ Clay, Red-Brown, CG, Moist, No Odor, No Staining

Cell #	4
Sample ID: (S-1 through S-4)	Cell #4 VZ S-3
GPS:	36.38926, -106.86289
Time of sample:	13:35
Shovel depth:	1'3"
Auger depth (2.5' total depth):	1'4"
Soil characteristics: (odor, color, texture)	Clayey Sand, Red-Brown, Moist, FG, No Odor, No Staining

Cell #	4
Sample ID: (S-1 through S-4)	Cell #4 VZ S-4
GPS:	36.38933, -106.86344
Time of sample:	14:05
Shovel depth:	1.5'
Auger depth (2.5' total depth):	1.0'
Soil characteristics: (odor, color, texture)	Clayey Sand, Brown, Moist, No oder No staing.

BMG Landfarm Sampling - Vadose Zone (VZ)

Date: 12-6-17 cl/SG

Cell #	1
Sample ID: (S-1 through S-4)	Cell #1 VZ S-1
GPS:	36.38867, -106.86534
Time of sample:	10:36
Shovel depth:	1.5'
Auger depth (2.5' total depth):	1.0
Soil characteristics: (odor, color, texture)	Brown, Sand and Clay, No Odor, Moist

Cell #	1
Sample ID: (S-1 through S-4)	Cell #1 VZ S-2
GPS:	36.38896, -106.86605
Time of sample:	10:47
Shovel depth:	1.5'
Auger depth (2.5' total depth):	1.0'
Soil characteristics: (odor, color, texture)	Sand w/ Clay, Brown, Moist, No Odor

Cell #	1
Sample ID: (S-1 through S-4)	Cell #1 VZ S-3
GPS:	36.389133, -106.86074
Time of sample:	10:59
Shovel depth:	1.5'
Auger depth (2.5' total depth):	1.0'
Soil characteristics: (odor, color, texture)	Tan Brown, Sand, Some Clay, Moist, Sl. Odor

Cell #	1
Sample ID: (S-1 through S-4)	Cell #1 VZ S-4
GPS:	36.38972, -106.86767
Time of sample:	11:11
Shovel depth:	1.5'
Auger depth (2.5' total depth):	1.0'
Soil characteristics: (odor, color, texture)	Tan Brown, Coarse Sand, Moist, No Odor

BMG Landfarm Sampling - Vadose Zone (VZ)

Date: 12-6-17 C4/56

Cell #	2
Sample ID: (S-1 through S-4)	Cell #2 VZ S-1
GPS:	36.39014, -106.86701
Time of sample:	11:29
Shovel depth:	~~1.5'~~ 1.0'
Auger depth (2.5' total depth):	@ 1.5'
Soil characteristics: (odor, color, texture)	Tan Brown, Sand, Coarse, Moist, No odor

Cell #	2
Sample ID: (S-1 through S-4)	Cell #2 VZ S-2
GPS:	36.38982, -106.86615
Time of sample:	11:41
Shovel depth:	1.25'
Auger depth (2.5' total depth):	1.25'
Soil characteristics: (odor, color, texture)	Tan Green, Sand Coarse, Mokt, No Odor

Cell #	2
Sample ID: (S-1 through S-4)	Cell #2 VZ S-3
GPS:	36.38997, -106.86560
Time of sample:	12:00
Shovel depth:	1.0'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Tan Some Green, Sand Coarse, Moist, Sl. Odor

Cell #	2
Sample ID: (S-1 through S-4)	Cell #2 VZ S-4
GPS:	36.39030, -106.86666
Time of sample:	12:08
Shovel depth:	1.0'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Tan, Coarse Sand, Dry, No Odor. SS

BMG Landfarm Sampling - Vadose Zone (VZ)

Date:

Cell #	3
Sample ID: (S-1 through S-4)	Cell # 3 VZ S-1
GPS:	36.38925, -106.86529
Time of sample:	12:22
Shovel depth:	1.5'
Auger depth (2.5' total depth):	1.0'
Soil characteristics: (odor, color, texture)	Tan, Coarse Sand, Moist, No Odor

Cell #	3
Sample ID: (S-1 through S-4)	Cell # 3 VZ S-2
GPS:	36.38888, -106.86436
Time of sample:	12:33
Shovel depth:	1.25'
Auger depth (2.5' total depth):	1.25'
Soil characteristics: (odor, color, texture)	Gray & Red, Sand Clay, Moist, Sl. Odor

Cell #	3
Sample ID: (S-1 through S-4)	Cell # 3 VZ S-3
GPS:	36.38948, -106.86295
Time of sample:	12:45
Shovel depth:	1.0'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Brown, Clay w/ Sand, Moist, No Odor

Cell #	3
Sample ID: (S-1 through S-4)	Cell # 3 VZ S-4
GPS:	36.38929, -106.86445
Time of sample:	12:57
Shovel depth:	1.5'
Auger depth (2.5' total depth):	1.0'
Soil characteristics: (odor, color, texture)	Tan Green, Clay w/ Sand, Moist, No Odor

BMG Landfarm Sampling - Vadose Zone (VZ)

Date:

Cell #	4
Sample ID: (S-1 through S-4)	Cell #4 VZ S-1
GPS:	36.38899, -106.86218
Time of sample:	13:12
Shovel depth:	1.0'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Brown-Red, Sand w/some Clay, Moist, No odor

Cell #	4
Sample ID: (S-1 through S-4)	Cell #4 VZ S-2
GPS:	36.38903, -106.86256
Time of sample:	13:24
Shovel depth:	1.0'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Brown-Red, Sand w/ some Clay, Moist, No odor

Cell #	4
Sample ID: (S-1 through S-4)	Cell #4 VZ S-3
GPS:	36.38926, -106.86289
Time of sample:	13:36
Shovel depth:	1.0'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Brown, Sand w/ Clay, Moist, No odor

Cell #	4
Sample ID: (S-1 through S-4)	Cell #4 VZ S-4
GPS:	36.38918, -106.86324
Time of sample:	13:47
Shovel depth:	1.0'
Auger depth (2.5' total depth):	1.5'
Soil characteristics: (odor, color, texture)	Brown, Sandy Clay, Moist, No odor

DEPTH TO GROUNDWATER MEASUREMENT FORM

Animas Environmental Services
604 W. Pinon St, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project: Groundwater Monitoring
Site: BMG
Location: Evaporation Pond
Tech: S.Glasses

Project No.:
Date: 12-14-17
Time: 10:05
Form: 1 of 1

Well I.D.	Time	Depth to NAPL (ft.)	Depth to Water (ft.)	NAPL Thickness (ft.)	Notes / Observations
MW-1	10:52	—	39.64	—	
MW-2	11:12	—	40.70	—	
MW-3	10:08	—	40.01	—	
MW-4	10:31	—	40.51	—	
Interstitial Well		—	—	—	
Evap Pond		—	—	—	

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
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Glasses
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 39.64 **Time:** 10:52 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 39.64 **Time:** 10:53 *(taken prior to purging well)*
Final D.T.W. (ft): 43.48 **Time:** 11:05 *(taken after sample collection)*
If NAPL Present: **D.T.P.:** — **D.T.W.:** — **Thickness:** — **Time:** —

Project No.:
Date: 12-14-17
Arrival Time: 10:50
Air Temp: 33°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.61

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1056	10.09	1.027	4.87	7.56	159.8	initial	Clear H2O, No odor
11:03						→	Sample Collected

Analytical Parameters (include analysis method and number and type of sample containers)

(3) 40 mL glass - HCl
(1) 250 mL amber glass - Non
(1) 500 mL plastic - Non

Disposal of Purged Water: Onto ground surface away from MW.
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Well volume calculated to purge ≈ 3.0 gal.
Early sample collection due to low yield.

~~Revised: 08/10/09~~

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-2

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Glasses
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.70 **Time:** 11:12 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.70 **Time:** 11:15 *(taken prior to purging well)*
Final D.T.W. (ft): 45.16 **Time:** 11:25 *(taken after sample collection)*
If NAPL Present: **D.T.P.:** — **D.T.W.:** — **Thickness:** — **Time:** —

Project No.:
Date: 12-14-17
Arrival Time: 11:10
Air Temp: 34°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.56

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
11:18	9.87	2.189	6.87	7.53	198.7	initial	Clear H_2O, No odor
11:21	→	→	→	→	→	→	Sample Collected

Analytical Parameters (include analysis method and number and type of sample containers)

(3) 40 mL glass - HCl
(1) 250 mL amber glass - Non
(1) 500 mL plastic - Non

Disposal of Purged Water: Onto gravel surface away from MW.
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Well volume calculated to purge ≈ 2.5 gal.
Early sample collection due to low yield.

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-3

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Glasses
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.01 **Time:** 10:08 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.01 **Time:** 10:10 *(taken prior to purging well)*
Final D.T.W. (ft): 43.97 **Time:** 10:27 *(taken after sample collection)*
If NAPL Present: **D.T.P.:** — **D.T.W.:** — **Thickness:** — **Time:** —

Project No.:
Date: 12-14-17
Arrival Time: 10:05
Air Temp: 31°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.61

Water Quality Parameters - Recorded During Well Purging YSI #2 calibrated 12-14-17

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
10:13	11.11	0.923	4.23	6.79	195.7	initial	Clear H2O, No odor
10:23						SG	Sample Collected

Analytical Parameters (include analysis method and number and type of sample containers)

(3) 40 mL glass - HCl
(1) 250 mL amber glass - Non
(1) 500 mL plastic - Non

Disposal of Purged Water: Onto ground surface away from MW.
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Well volume calculations to purge ≈ 2.75 gal. Early sample collection due to low yield

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-4

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: S.Glasses
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.51 **Time:** 10:31 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.51 **Time:** 10:31 *(taken prior to purging well)*
Final D.T.W. (ft): 44.28 **Time:** 10:47 *(taken after sample collection)*
If NAPL Present: **D.T.P.:** — **D.T.W.:** — **Thickness:** — **Time:** —

Project No.:
Date: 12-14-17
Arrival Time: 10:29
Air Temp: 32°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.64

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
10:37	10.18	1.387	5.52	7.37	193.6	initial	Clear H2O, No odor
10:45	~					~~SG~~ →	Sample Collected

Analytical Parameters (include analysis method and number and type of sample containers)

(3) 40 mL glass - HCl
(1) 250 mL amber glass - Non
(1) 500 mL plastic - Non

Disposal of Purged Water: Drip to ground surface away from MW.
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Well volume calculated to purge ≈ 2.5 gal.
Early sample collection due to low yield.

MONITORING WELL SAMPLING RECORD

Monitor Well No: Interstial Well

Animas Environmental Services

604 W. Pinon, Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm / Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Glasses
Purge / No Purge: Purge
Well Diameter (in):
Initial D.T.W. (ft): — **Time:** — *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): — **Time:** — *(taken prior to purging well)*
Final D.T.W. (ft): — **Time:** — *(taken after sample collection)*
If NAPL Present: **D.T.P.:** — **D.T.W.:** — **Thickness:** — **Time:** —

Project No.:
Date: 12-14-17
Arrival Time: 11:30
Air Temp: 36°F
T.O.C. Elev. (ft):
Total Well Depth (ft):

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
11:36							Sample Collected
		NO YSI Readings					

Analytical Parameters (include analysis method and number and type of sample containers)

(3) 40 mL VOA - HCl
(1) 250 mL amber glass - NON preservative
(1) 500 mL plastic - NON preservative

Disposal of Purged Water: Into Evap Pond.
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

MONITORING WELL SAMPLING RECORD

Monitor Well No: Evap Pond

Animas Environmental Services

604 W. Pinon, Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BM6
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Glasscock
Purge / No Purge: ~~Purge~~
Well Diameter (in): —
Initial D.T.W. (ft): — **Time:** —
Confirm D.T.W. (ft): — **Time:** —
Final D.T.W. (ft): — **Time:** —
If NAPL Present: D.T.P.: — D.T.W.: — Thickness: — Time: —

Project No.:
Date: 12-14-17
Arrival Time: 11:30
Air Temp: 36°F
T.O.C. Elev. (ft):
Total Well Depth (ft): —

(taken at initial gauging of all wells)
(taken prior to purging well)
(taken after sample collection)

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
12:00	—	—	—	—	—	—	Sample Collected
		NO YSI Readings					

Analytical Parameters (include analysis method and number and type of sample containers)

(3) 40 mL VOA - HCl preservative
(1) 250 mL amber glass - NON preservative
(1) 500 mL plastic - NON preservative

Disposal of Purged Water: —
Collected Samples Stored on Ice in Cooler: ~~—~~ Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Copper ~~Brown~~/Red, Strong Organic odor, Silty turbid H2O

Revised: 08/10/09

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

April 20, 2017

Elizabeth McNally

Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG Landfarm OrderNo.: 1704618

Dear Elizabeth McNally:

Hall Environmental Analysis Laboratory received 5 sample(s) on 4/14/2017 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 qualifers 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 #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1704618**
Date Reported: **4/20/2017**

CLIENT: Animas Environmental Services
Client Sample ID: MW-1
Project: BMG Landfarm
Collection Date: 4/13/2017 12:35:00 PM
Lab ID: 1704618-001 **Matrix:** AQUEOUS **Received Date:** 4/14/2017 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	4/17/2017 4:28:24 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/17/2017 4:28:24 PM
Surr: DNOP	96.4	72.4-157		%Rec	1	4/17/2017 4:28:24 PM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	26	10		mg/L	20	4/14/2017 7:37:19 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	1.0		µg/L	1	4/19/2017 2:06:28 PM
Toluene	ND	1.0		µg/L	1	4/19/2017 2:06:28 PM
Ethylbenzene	ND	1.0		µg/L	1	4/19/2017 2:06:28 PM
Xylenes, Total	ND	1.5		µg/L	1	4/19/2017 2:06:28 PM
Surr: 1,2-Dichloroethane-d4	96.9	70-130		%Rec	1	4/19/2017 2:06:28 PM
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	4/19/2017 2:06:28 PM
Surr: Dibromofluoromethane	97.2	70-130		%Rec	1	4/19/2017 2:06:28 PM
Surr: Toluene-d8	101	70-130		%Rec	1	4/19/2017 2:06:28 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **AG**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	4/19/2017 2:06:28 PM
Surr: BFB	97.9	70-130		%Rec	1	4/19/2017 2:06:28 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	690	100	*D	mg/L	1	4/17/2017 12:40:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-2
Project: BMG Landfarm
Collection Date: 4/13/2017 12:58:00 PM
Lab ID: 1704618-002
Matrix: AQUEOUS
Received Date: 4/14/2017 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	4/17/2017 5:55:28 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/17/2017 5:55:28 PM
Surr: DNOP	96.7	72.4-157		%Rec	1	4/17/2017 5:55:28 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	520	25	*	mg/L	50	4/17/2017 3:48:13 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	1.0		µg/L	1	4/19/2017 2:35:31 PM
Toluene	ND	1.0		µg/L	1	4/19/2017 2:35:31 PM
Ethylbenzene	ND	1.0		µg/L	1	4/19/2017 2:35:31 PM
Xylenes, Total	ND	1.5		µg/L	1	4/19/2017 2:35:31 PM
Surr: 1,2-Dichloroethane-d4	99.0	70-130		%Rec	1	4/19/2017 2:35:31 PM
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	4/19/2017 2:35:31 PM
Surr: Dibromofluoromethane	97.3	70-130		%Rec	1	4/19/2017 2:35:31 PM
Surr: Toluene-d8	101	70-130		%Rec	1	4/19/2017 2:35:31 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **AG**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	4/19/2017 2:35:31 PM
Surr: BFB	101	70-130		%Rec	1	4/19/2017 2:35:31 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	1770	200	*D	mg/L	1	4/17/2017 12:40:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-3
Project: BMG Landfarm
Collection Date: 4/13/2017 1:25:00 PM
Lab ID: 1704618-003 **Matrix:** AQUEOUS **Received Date:** 4/14/2017 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	4/17/2017 6:24:20 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/17/2017 6:24:20 PM
Surr: DNOP	91.6	72.4-157		%Rec	1	4/17/2017 6:24:20 PM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	25	10		mg/L	20	4/14/2017 8:51:45 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	1.0		µg/L	1	4/19/2017 3:04:29 PM
Toluene	ND	1.0		µg/L	1	4/19/2017 3:04:29 PM
Ethylbenzene	ND	1.0		µg/L	1	4/19/2017 3:04:29 PM
Xylenes, Total	ND	1.5		µg/L	1	4/19/2017 3:04:29 PM
Surr: 1,2-Dichloroethane-d4	96.9	70-130		%Rec	1	4/19/2017 3:04:29 PM
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	4/19/2017 3:04:29 PM
Surr: Dibromofluoromethane	94.1	70-130		%Rec	1	4/19/2017 3:04:29 PM
Surr: Toluene-d8	104	70-130		%Rec	1	4/19/2017 3:04:29 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **AG**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	4/19/2017 3:04:29 PM
Surr: BFB	98.0	70-130		%Rec	1	4/19/2017 3:04:29 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	655	100	*D	mg/L	1	4/17/2017 12:40:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-4
Project: BMG Landfarm
Collection Date: 4/13/2017 12:12:00 PM
Lab ID: 1704618-004 **Matrix:** AQUEOUS **Received Date:** 4/14/2017 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	4/17/2017 6:53:29 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/17/2017 6:53:29 PM
Surr: DNOP	100	72.4-157		%Rec	1	4/17/2017 6:53:29 PM
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	180	10		mg/L	20	4/14/2017 9:16:35 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	1.0		µg/L	1	4/19/2017 3:33:46 PM
Toluene	ND	1.0		µg/L	1	4/19/2017 3:33:46 PM
Ethylbenzene	ND	1.0		µg/L	1	4/19/2017 3:33:46 PM
Xylenes, Total	ND	1.5		µg/L	1	4/19/2017 3:33:46 PM
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	4/19/2017 3:33:46 PM
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	4/19/2017 3:33:46 PM
Surr: Dibromofluoromethane	96.8	70-130		%Rec	1	4/19/2017 3:33:46 PM
Surr: Toluene-d8	105	70-130		%Rec	1	4/19/2017 3:33:46 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **AG**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	4/19/2017 3:33:46 PM
Surr: BFB	101	70-130		%Rec	1	4/19/2017 3:33:46 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	790	40.0	*D	mg/L	1	4/17/2017 12:40:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Trip Blank
Project: BMG Landfarm
Collection Date:
Lab ID: 1704618-005
Matrix: AQUEOUS
Received Date: 4/14/2017 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	1.0		µg/L	1	4/19/2017 4:02:48 PM
Toluene	ND	1.0		µg/L	1	4/19/2017 4:02:48 PM
Ethylbenzene	ND	1.0		µg/L	1	4/19/2017 4:02:48 PM
Xylenes, Total	ND	1.5		µg/L	1	4/19/2017 4:02:48 PM
Surr: 1,2-Dichloroethane-d4	98.4	70-130		%Rec	1	4/19/2017 4:02:48 PM
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	4/19/2017 4:02:48 PM
Surr: Dibromofluoromethane	99.6	70-130		%Rec	1	4/19/2017 4:02:48 PM
Surr: Toluene-d8	104	70-130		%Rec	1	4/19/2017 4:02:48 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1704618**

20-Apr-17

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R42153**	RunNo:	**42153**					
Prep Date:		Analysis Date:	**4/14/2017**	SeqNo:	**1324159**	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:	**R42153**	RunNo:	**42153**					
Prep Date:		Analysis Date:	**4/14/2017**	SeqNo:	**1324160**	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	93.8	90	110			

Sample ID	**MB**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R42180**	RunNo:	**42180**					
Prep Date:		Analysis Date:	**4/17/2017**	SeqNo:	**1325050**	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:	**R42180**	RunNo:	**42180**					
Prep Date:		Analysis Date:	**4/17/2017**	SeqNo:	**1325051**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.6	0.50	5.000	0	92.3	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1704618**

20-Apr-17

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **1704618-001BMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **MW-1**	Batch ID: **31253**	RunNo: **42147**
Prep Date: **4/14/2017**	Analysis Date: **4/17/2017**	SeqNo: **1324825** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	4.7	1.0	5.000	0	93.8	87.2	145			
Surr: DNOP	0.46		0.5000		92.8	72.4	157			

Sample ID **1704618-001BMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **MW-1**	Batch ID: **31253**	RunNo: **42147**
Prep Date: **4/14/2017**	Analysis Date: **4/17/2017**	SeqNo: **1324826** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	4.5	1.0	5.000	0	89.9	87.2	145	4.27	20	
Surr: DNOP	0.45		0.5000		90.9	72.4	157	0	0	

Sample ID **LCS-31253**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **LCSW**	Batch ID: **31253**	RunNo: **42147**
Prep Date: **4/14/2017**	Analysis Date: **4/17/2017**	SeqNo: **1324840** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	4.9	1.0	5.000	0	97.5	82.8	146			
Surr: DNOP	0.49		0.5000		98.0	72.4	157			

Sample ID **MB-31253**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **PBW**	Batch ID: **31253**	RunNo: **42147**
Prep Date: **4/14/2017**	Analysis Date: **4/17/2017**	SeqNo: **1324841** 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	0.94		1.000		94.3	72.4	157			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1704618**

20-Apr-17

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **B42238**	RunNo: **42238**
Prep Date:	Analysis Date: **4/19/2017**	SeqNo: **1327027** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	92.1	70	130			
Toluene	20	1.0	20.00	0	100	70	130			
Surr: 1,2-Dichloroethane-d4	9.8		10.00		98.1	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		107	70	130			
Surr: Dibromofluoromethane	10		10.00		100	70	130			
Surr: Toluene-d8	10		10.00		102	70	130			

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **B42238**	RunNo: **42238**
Prep Date:	Analysis Date: **4/19/2017**	SeqNo: **1327041** 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	1.5								
Surr: 1,2-Dichloroethane-d4	9.5		10.00		94.8	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		106	70	130			
Surr: Dibromofluoromethane	9.8		10.00		97.6	70	130			
Surr: Toluene-d8	10		10.00		103	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1704618**

20-Apr-17

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**2.5ug gro lcs**	SampType:	**LCS**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**LCSW**	Batch ID:	**A42238**		RunNo:	**42238**				
Prep Date:		Analysis Date:	**4/19/2017**		SeqNo:	**1327013**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.51	0.050	0.5000	0	102	75.9	120			
Surr: BFB	10		10.00		99.7	70	130			

Sample ID	**rb**	SampType:	**MBLK**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**PBW**	Batch ID:	**A42238**		RunNo:	**42238**				
Prep Date:		Analysis Date:	**4/19/2017**		SeqNo:	**1327014**	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	9.7		10.00		97.2	70	130			

Sample ID	**1704618-002AMS**	SampType:	**MS**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**MW-2**	Batch ID:	**A42238**		RunNo:	**42238**				
Prep Date:		Analysis Date:	**4/19/2017**		SeqNo:	**1327017**	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	10		10.00		101	70	130			

Sample ID	**1704618-002AMSD**	SampType:	**MSD**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**MW-2**	Batch ID:	**A42238**		RunNo:	**42238**				
Prep Date:		Analysis Date:	**4/19/2017**		SeqNo:	**1327018**	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	87.8	70	130	3.89	20	
Surr: BFB	10		10.00		99.7	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1704618**

20-Apr-17

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-31260**	SampType:	**MBLK**	TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**PBW**	Batch ID:	**31260**	RunNo:	**42159**					
Prep Date:	**4/15/2017**	Analysis Date:	**4/17/2017**	SeqNo:	**1324354**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	**LCS-31260**	SampType:	**LCS**	TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**LCSW**	Batch ID:	**31260**	RunNo:	**42159**					
Prep Date:	**4/15/2017**	Analysis Date:	**4/17/2017**	SeqNo:	**1324355**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1020	20.0	1000	0	102	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1704618 RcptNo: 1

Received By: Lindsay Mangin 4/14/2017 7:15:00 AM

Completed By: Lindsay Mangin 4/14/2017 8:26:07 AM

Reviewed By: aJ 4/14/17

Chain of Custody

1. Custody seals intact on sample bottles?	Yes	No	Not Present ✔
2. Is Chain of Custody complete?	Yes ✔	No	Not Present
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ✔	No	NA
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ✔	No	NA
6. Sample(s) in proper container(s)?	Yes ✔	No	
7. Sufficient sample volume for indicated test(s)?	Yes ✔	No	
8. Are samples (except VOA and ONG) properly preserved?	Yes ✔	No	
9. Was preservative added to bottles?	Yes	No ✔	NA
10. VOA vials have zero headspace?	Yes ✔	No	No VOA Vials
11. Were any sample containers received broken?	Yes	No ✔	# of preserved bottles checked for pH:
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ✔	No	(<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ✔	No	Adjusted?
14. Is it clear what analyses were requested?	Yes ✔	No	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ✔	No	Checked by:

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes No NA ✔

Person Notified: Date:

By Whom: Via: eMail Phone Fax In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.8	Good	Yes			

Chain-of-Custody Record

Client:	Animas Environmental Services
Mailing Address:	604 W. Pinon Street Farmington, NM 87401
Phone #:	505-564-2281
email or Fax#:	emcnally@animasenvironmental.co
QA/QC Package:	X Standard □ Level 4 (Full Validation)
Accreditation:	□ NELAP □ Other
□ EDD (Type)	

Turn-Around Time: X Standard □ Rush

Project Name: BMG Landfarm

Project #: AES 040605

Project Manager: Elizabeth McNally

Sampler: SG/LL

On Ice: X Yes □ No

Sample Temperature: 1.8

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 8710[illegible]

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1704618	BTEX 8021	TPH (GRO/DRO/MRO) 8015	TDS SM2540C	Chlorides 300.0	Air Bubbles (Y or N)
4/13/2017	1235	H2O	MW-1	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-001	X	X	X	X	
4/13/2017	1258	H2O	MW-2	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-002	X	X	X	X	
4/13/2017	1325	H2O	MW-3	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-003	X	X	X	X	
4/13/2017	1212	H2O	MW-4	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-004	X	X	X	X	
~~4/13/2017~~		~~H2O~~	~~Interstitial Well~~ a	~~(3) 40 mL glass~~ a ~~(1) 250 mL amber glass~~ (1) 500 mL plastic	~~3-HCl~~ a 2-Non		X	X	X	X	
		H2O	Trip Blank		Cold	-005	X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
4/13/17	1707		Christy Waele	4/13/17	1707
4/13/17	1901			04/14/17	0715

Remarks:

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

April 20, 2017

Elizabeth McNally

Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG Landfarm OrderNo.: 1704681

Dear Elizabeth McNally:

Hall Environmental Analysis Laboratory received 4 sample(s) on 4/15/2017 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 qualifers 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 #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1704681**
Date Reported: **4/20/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 TZ CS-1
Project: BMG Landfarm
Collection Date: 4/13/2017 11:39:00 AM
Lab ID: 1704681-001
Matrix: SOIL
Received Date: 4/15/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **MAB**
Diesel Range Organics (DRO)	190	96		mg/Kg	10	4/19/2017 9:41:25 AM
Motor Oil Range Organics (MRO)	690	480		mg/Kg	10	4/19/2017 9:41:25 AM
Surr: DNOP	0	70-130	S	%Rec	10	4/19/2017 9:41:25 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/19/2017 1:34:57 AM
Surr: BFB	95.0	54-150		%Rec	1	4/19/2017 1:34:57 AM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	100	30		mg/Kg	20	4/19/2017 3:50:28 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 TZ CS-1
Project: BMG Landfarm
Collection Date: 4/13/2017 12:52:00 PM
Lab ID: 1704681-002
Matrix: SOIL
Received Date: 4/15/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **MAB**
Diesel Range Organics (DRO)	1100	98		mg/Kg	10	4/19/2017 10:09:30 AM
Motor Oil Range Organics (MRO)	2000	490		mg/Kg	10	4/19/2017 10:09:30 AM
Surr: DNOP	0	70-130	S	%Rec	10	4/19/2017 10:09:30 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/19/2017 1:58:26 AM
Surr: BFB	94.4	54-150		%Rec	1	4/19/2017 1:58:26 AM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	30		mg/Kg	20	4/19/2017 4:02:52 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 TZ CS-1
Project: BMG Landfarm
Collection Date: 4/13/2017 2:02:00 PM
Lab ID: 1704681-003 **Matrix:** SOIL **Received Date:** 4/15/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **MAB**
Diesel Range Organics (DRO)	360	93		mg/Kg	10	4/19/2017 10:37:19 AM
Motor Oil Range Organics (MRO)	790	460		mg/Kg	10	4/19/2017 10:37:19 AM
Surr: DNOP	0	70-130	S	%Rec	10	4/19/2017 10:37:19 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/19/2017 2:21:50 AM
Surr: BFB	94.1	54-150		%Rec	1	4/19/2017 2:21:50 AM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	30		mg/Kg	20	4/19/2017 4:15:17 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 TZ CS-1
Project: BMG Landfarm
Collection Date: 4/13/2017 3:09:00 PM
Lab ID: 1704681-004 **Matrix:** SOIL **Received Date:** 4/15/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **MAB**
Diesel Range Organics (DRO)	650	94		mg/Kg	10	4/19/2017 11:05:08 AM
Motor Oil Range Organics (MRO)	1000	470		mg/Kg	10	4/19/2017 11:05:08 AM
Surr: DNOP	0	70-130	S	%Rec	10	4/19/2017 11:05:08 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/19/2017 2:45:07 AM
Surr: BFB	94.0	54-150		%Rec	1	4/19/2017 2:45:07 AM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	30		mg/Kg	20	4/19/2017 4:27:42 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1704681**

20-Apr-17

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-31315**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**31315**	RunNo:	**42222**					
Prep Date:	**4/19/2017**	Analysis Date:	**4/19/2017**	SeqNo:	**1327296**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-31315**	SampType:	**lcs**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**31315**	RunNo:	**42222**					
Prep Date:	**4/19/2017**	Analysis Date:	**4/19/2017**	SeqNo:	**1327297**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.1	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1704681**

20-Apr-17

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-31303**	SampType:	**MBLK**	TestCode:	**EPA Method 8015M/D: Diesel Range Organics**
Client ID:	**PBS**	Batch ID:	**31303**	RunNo:	**42210**
Prep Date:	**4/18/2017**	Analysis Date:	**4/19/2017**	SeqNo:	**1325960** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.1		10.00		81.2	70	130			

Sample ID	**LCS-31303**	SampType:	**LCS**	TestCode:	**EPA Method 8015M/D: Diesel Range Organics**
Client ID:	**LCSS**	Batch ID:	**31303**	RunNo:	**42210**
Prep Date:	**4/18/2017**	Analysis Date:	**4/19/2017**	SeqNo:	**1326059** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	10	50.00	0	83.0	63.8	116			
Surr: DNOP	4.3		5.000		85.0	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1704681**

20-Apr-17

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-31275**	SampType:	**MBLK**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**PBS**	Batch ID:	**31275**		RunNo:	**42191**				
Prep Date:	**4/17/2017**	Analysis Date:	**4/18/2017**		SeqNo:	**1325850**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	930		1000		92.8	54	150			

Sample ID	**LCS-31275**	SampType:	**LCS**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**LCSS**	Batch ID:	**31275**		RunNo:	**42191**				
Prep Date:	**4/17/2017**	Analysis Date:	**4/18/2017**		SeqNo:	**1325851**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	91.1	76.4	125			
Surr: BFB	1000		1000		101	54	150			

Sample ID	**1704681-001AMS**	SampType:	**MS**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**Cell #1 TZ CS-1**	Batch ID:	**31275**		RunNo:	**42191**				
Prep Date:	**4/17/2017**	Analysis Date:	**4/18/2017**		SeqNo:	**1325853**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.7	23.70	0	108	61.3	150			
Surr: BFB	970		947.9		102	54	150			

Sample ID	**1704681-001AMSD**	SampType:	**MSD**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**Cell #1 TZ CS-1**	Batch ID:	**31275**		RunNo:	**42191**				
Prep Date:	**4/17/2017**	Analysis Date:	**4/18/2017**		SeqNo:	**1325854**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.9	24.56	0	101	61.3	150	2.99	20	
Surr: BFB	980		982.3		99.3	54	150	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1704681** RcptNo: 1

Received By: **Lindsay Mangin** 4/15/2017 9:15:00 AM

Completed By: **Lindsay Mangin** 4/17/2017 9:28:30 AM

Reviewed By: IO 4/17/17

Chain of Custody

1. Custody seals intact on sample bottles?	Yes	No	Not Present ✔
2. Is Chain of Custody complete?	Yes ✔	No	Not Present
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ✔	No	NA
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ✔	No	NA
6. Sample(s) in proper container(s)?	Yes ✔	No	
7. Sufficient sample volume for indicated test(s)?	Yes ✔	No	
8. Are samples (except VOA and ONG) properly preserved?	Yes ✔	No	
9. Was preservative added to bottles?	Yes	No ✔	NA
10. VOA vials have zero headspace?	Yes	No	No VOA Vials ✔
11. Were any sample containers received broken?	Yes	No ✔	# of preserved bottles checked for pH:
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ✔	No	(<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ✔	No	Adjusted?
14. Is it clear what analyses were requested?	Yes ✔	No	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ✔	No	Checked by:

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes No NA ✔

Person Notified: Date:

By Whom: Via: eMail Phone Fax In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.2	Good	Yes			

Chain-of-Custody Record

Client:	Animas Environmental Services
Mailing Address:	604 W. Pinon Street Farmington, NM 87401
Phone #:	505-564-2281
email or Fax#:	emcnally@animasenvironmental.com
QA/QC Package:	X Standard □ Level 4 (Full Validation)
Accreditation:	□ NELAP □ Other
□ EDD (Type)	

Turn-Around Time: X Standard □ Rush

Project Name: BMG Landfarm

Project #: AES 040605

Project Manager: Elizabeth McNally

Sampler: S. Glasses

On Ice: X Yes □ No

Sample Temperature: 1,2

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1704681	Chlorides 300.0	TPH - GRO, DRO, MRO (8015)	Air Bubbles (Y or N)
4/13/2017	1139	Soil	Cell #1 TZ CS-1	1 - 4 oz jars	Cool	-001	X	X	
4/13/2017	1252	Soil	Cell #2 TZ CS-1	1 - 4 oz jars	Cool	-002	X	X	
4/13/2017	1402	Soil	Cell #3 TZ CS-1	1 - 4 oz jars	Cool	-003	X	X	
4/13/2017	1509	Soil	Cell #4 TZ CS-1	1 - 4 oz jars	Cool	-004	X	X	

Date	Time	Relinquished by:	Received by:	Date	Time
4/14/17	1647			4/14/17	1647
4/14/17	1951			04/15/17	0915

Remarks: Call if questions.

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

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

May 01, 2017

Elizabeth McNally

Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG Landfarm OrderNo.: 1704683

Dear Elizabeth McNally:

Hall Environmental Analysis Laboratory received 16 sample(s) on 4/15/2017 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 #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1704683**
Date Reported: **5/1/2017**

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-1
Project: BMG Landfarm
Collection Date: 4/13/2017 10:41:00 AM
Lab ID: 1704683-001 **Matrix:** SOIL **Received Date:** 4/15/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	100	30		mg/Kg	20	4/28/2017 2:49:04 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	0.023		mg/Kg	1	4/20/2017 1:03:28 PM
Toluene	ND	0.046		mg/Kg	1	4/20/2017 1:03:28 PM
Ethylbenzene	ND	0.046		mg/Kg	1	4/20/2017 1:03:28 PM
Xylenes, Total	ND	0.092		mg/Kg	1	4/20/2017 1:03:28 PM
Surr: 1,2-Dichloroethane-d4	93.0	70-130		%Rec	1	4/20/2017 1:03:28 PM
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	4/20/2017 1:03:28 PM
Surr: Dibromofluoromethane	94.5	70-130		%Rec	1	4/20/2017 1:03:28 PM
Surr: Toluene-d8	108	70-130		%Rec	1	4/20/2017 1:03:28 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	4/24/2017

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-2
Project: BMG Landfarm
Collection Date: 4/13/2017 11:04:00 AM
Lab ID: 1704683-002
Matrix: SOIL
Received Date: 4/15/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	ND	30		mg/Kg	20	4/28/2017 3:51:08 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	0.023		mg/Kg	1	4/20/2017 2:31:27 PM
Toluene	ND	0.046		mg/Kg	1	4/20/2017 2:31:27 PM
Ethylbenzene	ND	0.046		mg/Kg	1	4/20/2017 2:31:27 PM
Xylenes, Total	ND	0.093		mg/Kg	1	4/20/2017 2:31:27 PM
Surr: 1,2-Dichloroethane-d4	89.5	70-130		%Rec	1	4/20/2017 2:31:27 PM
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	4/20/2017 2:31:27 PM
Surr: Dibromofluoromethane	91.5	70-130		%Rec	1	4/20/2017 2:31:27 PM
Surr: Toluene-d8	110	70-130		%Rec	1	4/20/2017 2:31:27 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	4/24/2017

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-3
Project: BMG Landfarm
Collection Date: 4/13/2017 11:28:00 AM
Lab ID: 1704683-003
Matrix: SOIL
Received Date: 4/15/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	ND	30		mg/Kg	20	4/28/2017 4:03:33 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	0.023		mg/Kg	1	4/20/2017 3:00:28 PM
Toluene	ND	0.047		mg/Kg	1	4/20/2017 3:00:28 PM
Ethylbenzene	ND	0.047		mg/Kg	1	4/20/2017 3:00:28 PM
Xylenes, Total	ND	0.094		mg/Kg	1	4/20/2017 3:00:28 PM
Surr: 1,2-Dichloroethane-d4	85.4	70-130		%Rec	1	4/20/2017 3:00:28 PM
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	4/20/2017 3:00:28 PM
Surr: Dibromofluoromethane	92.2	70-130		%Rec	1	4/20/2017 3:00:28 PM
Surr: Toluene-d8	108	70-130		%Rec	1	4/20/2017 3:00:28 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	4/24/2017

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-4
Project: BMG Landfarm
Collection Date: 4/13/2017 11:47:00 AM
Lab ID: 1704683-004 **Matrix:** SOIL **Received Date:** 4/15/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	ND	30		mg/Kg	20	4/28/2017 4:15:57 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	0.025		mg/Kg	1	4/20/2017 3:29:25 PM
Toluene	ND	0.049		mg/Kg	1	4/20/2017 3:29:25 PM
Ethylbenzene	ND	0.049		mg/Kg	1	4/20/2017 3:29:25 PM
Xylenes, Total	ND	0.099		mg/Kg	1	4/20/2017 3:29:25 PM
Surr: 1,2-Dichloroethane-d4	88.0	70-130		%Rec	1	4/20/2017 3:29:25 PM
Surr: 4-Bromofluorobenzene	97.4	70-130		%Rec	1	4/20/2017 3:29:25 PM
Surr: Dibromofluoromethane	90.6	70-130		%Rec	1	4/20/2017 3:29:25 PM
Surr: Toluene-d8	111	70-130		%Rec	1	4/20/2017 3:29:25 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	4/24/2017

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-1
Project: BMG Landfarm
Collection Date: 4/13/2017 12:10:00 PM
Lab ID: 1704683-005
Matrix: SOIL
Received Date: 4/15/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	ND	30		mg/Kg	20	4/28/2017 4:28:22 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	0.024		mg/Kg	1	4/20/2017 3:58:30 PM
Toluene	ND	0.047		mg/Kg	1	4/20/2017 3:58:30 PM
Ethylbenzene	ND	0.047		mg/Kg	1	4/20/2017 3:58:30 PM
Xylenes, Total	ND	0.095		mg/Kg	1	4/20/2017 3:58:30 PM
Surr: 1,2-Dichloroethane-d4	95.8	70-130		%Rec	1	4/20/2017 3:58:30 PM
Surr: 4-Bromofluorobenzene	98.9	70-130		%Rec	1	4/20/2017 3:58:30 PM
Surr: Dibromofluoromethane	94.6	70-130		%Rec	1	4/20/2017 3:58:30 PM
Surr: Toluene-d8	108	70-130		%Rec	1	4/20/2017 3:58:30 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	43	19		mg/Kg	1	4/24/2017

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-2
Project: BMG Landfarm
Collection Date: 4/13/2017 12:27:00 PM
Lab ID: 1704683-006 **Matrix:** SOIL **Received Date:** 4/15/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	ND	30		mg/Kg	20	4/28/2017 4:40:47 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	0.025		mg/Kg	1	4/20/2017 4:28:25 PM
Toluene	ND	0.050		mg/Kg	1	4/20/2017 4:28:25 PM
Ethylbenzene	ND	0.050		mg/Kg	1	4/20/2017 4:28:25 PM
Xylenes, Total	ND	0.10		mg/Kg	1	4/20/2017 4:28:25 PM
Surr: 1,2-Dichloroethane-d4	87.6	70-130		%Rec	1	4/20/2017 4:28:25 PM
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	4/20/2017 4:28:25 PM
Surr: Dibromofluoromethane	92.5	70-130		%Rec	1	4/20/2017 4:28:25 PM
Surr: Toluene-d8	110	70-130		%Rec	1	4/20/2017 4:28:25 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	4/24/2017

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-3
Project: BMG Landfarm
Collection Date: 4/13/2017 12:41:00 PM
Lab ID: 1704683-007
Matrix: SOIL
Received Date: 4/15/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	ND	30		mg/Kg	20	4/28/2017 4:53:12 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	0.023		mg/Kg	1	4/20/2017 4:57:23 PM
Toluene	ND	0.046		mg/Kg	1	4/20/2017 4:57:23 PM
Ethylbenzene	ND	0.046		mg/Kg	1	4/20/2017 4:57:23 PM
Xylenes, Total	ND	0.092		mg/Kg	1	4/20/2017 4:57:23 PM
Surr: 1,2-Dichloroethane-d4	90.3	70-130		%Rec	1	4/20/2017 4:57:23 PM
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	4/20/2017 4:57:23 PM
Surr: Dibromofluoromethane	92.5	70-130		%Rec	1	4/20/2017 4:57:23 PM
Surr: Toluene-d8	109	70-130		%Rec	1	4/20/2017 4:57:23 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	34	19		mg/Kg	1	4/24/2017

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-4
Project: BMG Landfarm
Collection Date: 4/13/2017 1:00:00 PM
Lab ID: 1704683-008
Matrix: SOIL
Received Date: 4/15/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	ND	30		mg/Kg	20	4/28/2017 5:05:36 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	0.024		mg/Kg	1	4/20/2017 5:26:20 PM
Toluene	ND	0.048		mg/Kg	1	4/20/2017 5:26:20 PM
Ethylbenzene	ND	0.048		mg/Kg	1	4/20/2017 5:26:20 PM
Xylenes, Total	ND	0.095		mg/Kg	1	4/20/2017 5:26:20 PM
Surr: 1,2-Dichloroethane-d4	84.9	70-130		%Rec	1	4/20/2017 5:26:20 PM
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	4/20/2017 5:26:20 PM
Surr: Dibromofluoromethane	90.5	70-130		%Rec	1	4/20/2017 5:26:20 PM
Surr: Toluene-d8	109	70-130		%Rec	1	4/20/2017 5:26:20 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	710	18		mg/Kg	1	4/24/2017

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-1
Project: BMG Landfarm
Collection Date: 4/13/2017 1:20:00 PM
Lab ID: 1704683-009
Matrix: SOIL
Received Date: 4/15/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	ND	30		mg/Kg	20	4/28/2017 5:18:01 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	0.023		mg/Kg	1	4/20/2017 5:55:14 PM
Toluene	ND	0.046		mg/Kg	1	4/20/2017 5:55:14 PM
Ethylbenzene	ND	0.046		mg/Kg	1	4/20/2017 5:55:14 PM
Xylenes, Total	ND	0.092		mg/Kg	1	4/20/2017 5:55:14 PM
Surr: 1,2-Dichloroethane-d4	88.1	70-130		%Rec	1	4/20/2017 5:55:14 PM
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	4/20/2017 5:55:14 PM
Surr: Dibromofluoromethane	90.9	70-130		%Rec	1	4/20/2017 5:55:14 PM
Surr: Toluene-d8	112	70-130		%Rec	1	4/20/2017 5:55:14 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	4/24/2017

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-2
Project: BMG Landfarm
Collection Date: 4/13/2017 1:35:00 PM
Lab ID: 1704683-010
Matrix: SOIL
Received Date: 4/15/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	ND	30		mg/Kg	20	4/28/2017 5:55:15 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	0.023		mg/Kg	1	4/20/2017 6:24:52 PM
Toluene	ND	0.047		mg/Kg	1	4/20/2017 6:24:52 PM
Ethylbenzene	ND	0.047		mg/Kg	1	4/20/2017 6:24:52 PM
Xylenes, Total	ND	0.094		mg/Kg	1	4/20/2017 6:24:52 PM
Surr: 1,2-Dichloroethane-d4	88.3	70-130		%Rec	1	4/20/2017 6:24:52 PM
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	4/20/2017 6:24:52 PM
Surr: Dibromofluoromethane	93.9	70-130		%Rec	1	4/20/2017 6:24:52 PM
Surr: Toluene-d8	108	70-130		%Rec	1	4/20/2017 6:24:52 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	ND	18		mg/Kg	1	4/24/2017

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-3
Project: BMG Landfarm
Collection Date: 4/13/2017 1:55:00 PM
Lab ID: 1704683-011 **Matrix:** SOIL **Received Date:** 4/15/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	ND	30		mg/Kg	20	4/28/2017 6:07:39 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	0.025		mg/Kg	1	4/20/2017 6:54:27 PM
Toluene	ND	0.049		mg/Kg	1	4/20/2017 6:54:27 PM
Ethylbenzene	ND	0.049		mg/Kg	1	4/20/2017 6:54:27 PM
Xylenes, Total	ND	0.099		mg/Kg	1	4/20/2017 6:54:27 PM
Surr: 1,2-Dichloroethane-d4	89.6	70-130		%Rec	1	4/20/2017 6:54:27 PM
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	4/20/2017 6:54:27 PM
Surr: Dibromofluoromethane	88.0	70-130		%Rec	1	4/20/2017 6:54:27 PM
Surr: Toluene-d8	107	70-130		%Rec	1	4/20/2017 6:54:27 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	4/24/2017

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-4
Project: BMG Landfarm
Collection Date: 4/13/2017 2:13:00 PM
Lab ID: 1704683-012
Matrix: SOIL
Received Date: 4/15/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	ND	30		mg/Kg	20	4/28/2017 6:20:04 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	0.024		mg/Kg	1	4/20/2017 7:23:57 PM
Toluene	ND	0.047		mg/Kg	1	4/20/2017 7:23:57 PM
Ethylbenzene	ND	0.047		mg/Kg	1	4/20/2017 7:23:57 PM
Xylenes, Total	ND	0.094		mg/Kg	1	4/20/2017 7:23:57 PM
Surr: 1,2-Dichloroethane-d4	88.9	70-130		%Rec	1	4/20/2017 7:23:57 PM
Surr: 4-Bromofluorobenzene	99.8	70-130		%Rec	1	4/20/2017 7:23:57 PM
Surr: Dibromofluoromethane	93.5	70-130		%Rec	1	4/20/2017 7:23:57 PM
Surr: Toluene-d8	109	70-130		%Rec	1	4/20/2017 7:23:57 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	4/24/2017

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-1
Project: BMG Landfarm
Collection Date: 4/13/2017 2:31:00 PM
Lab ID: 1704683-013
Matrix: SOIL
Received Date: 4/15/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	ND	30		mg/Kg	20	4/28/2017 6:32:29 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	0.024		mg/Kg	1	4/20/2017 7:53:29 PM
Toluene	ND	0.049		mg/Kg	1	4/20/2017 7:53:29 PM
Ethylbenzene	ND	0.049		mg/Kg	1	4/20/2017 7:53:29 PM
Xylenes, Total	ND	0.098		mg/Kg	1	4/20/2017 7:53:29 PM
Surr: 1,2-Dichloroethane-d4	92.3	70-130		%Rec	1	4/20/2017 7:53:29 PM
Surr: 4-Bromofluorobenzene	99.9	70-130		%Rec	1	4/20/2017 7:53:29 PM
Surr: Dibromofluoromethane	95.5	70-130		%Rec	1	4/20/2017 7:53:29 PM
Surr: Toluene-d8	110	70-130		%Rec	1	4/20/2017 7:53:29 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	4/24/2017

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-2
Project: BMG Landfarm
Collection Date: 4/13/2017 2:46:00 PM
Lab ID: 1704683-014
Matrix: SOIL
Received Date: 4/15/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	ND	30		mg/Kg	20	4/28/2017 6:44:54 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	0.024		mg/Kg	1	4/20/2017 8:23:02 PM
Toluene	ND	0.048		mg/Kg	1	4/20/2017 8:23:02 PM
Ethylbenzene	ND	0.048		mg/Kg	1	4/20/2017 8:23:02 PM
Xylenes, Total	ND	0.097		mg/Kg	1	4/20/2017 8:23:02 PM
Surr: 1,2-Dichloroethane-d4	97.2	70-130		%Rec	1	4/20/2017 8:23:02 PM
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	4/20/2017 8:23:02 PM
Surr: Dibromofluoromethane	92.2	70-130		%Rec	1	4/20/2017 8:23:02 PM
Surr: Toluene-d8	109	70-130		%Rec	1	4/20/2017 8:23:02 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	4/24/2017

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-3
Project: BMG Landfarm
Collection Date: 4/13/2017 3:00:00 PM
Lab ID: 1704683-015
Matrix: SOIL
Received Date: 4/15/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	ND	30		mg/Kg	20	4/28/2017 6:57:18 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	0.024		mg/Kg	1	4/20/2017 10:48:57 PM
Toluene	ND	0.049		mg/Kg	1	4/20/2017 10:48:57 PM
Ethylbenzene	ND	0.049		mg/Kg	1	4/20/2017 10:48:57 PM
Xylenes, Total	ND	0.097		mg/Kg	1	4/20/2017 10:48:57 PM
Surr: 1,2-Dichloroethane-d4	90.3	70-130		%Rec	1	4/20/2017 10:48:57 PM
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	4/20/2017 10:48:57 PM
Surr: Dibromofluoromethane	90.8	70-130		%Rec	1	4/20/2017 10:48:57 PM
Surr: Toluene-d8	109	70-130		%Rec	1	4/20/2017 10:48:57 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	4/24/2017

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-4
Project: BMG Landfarm
Collection Date: 4/13/2017 3:18:00 PM
Lab ID: 1704683-016
Matrix: SOIL
Received Date: 4/15/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LGT**
Chloride	ND	30		mg/Kg	20	4/28/2017 7:09:43 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	0.025		mg/Kg	1	4/20/2017 11:17:52 PM
Toluene	ND	0.050		mg/Kg	1	4/20/2017 11:17:52 PM
Ethylbenzene	ND	0.050		mg/Kg	1	4/20/2017 11:17:52 PM
Xylenes, Total	ND	0.099		mg/Kg	1	4/20/2017 11:17:52 PM
Surr: 1,2-Dichloroethane-d4	93.8	70-130		%Rec	1	4/20/2017 11:17:52 PM
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	4/20/2017 11:17:52 PM
Surr: Dibromofluoromethane	94.4	70-130		%Rec	1	4/20/2017 11:17:52 PM
Surr: Toluene-d8	111	70-130		%Rec	1	4/20/2017 11:17:52 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	4/24/2017

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1704683**

01-May-17

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-31488**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**31488**	RunNo:	**42459**					
Prep Date:	**4/28/2017**	Analysis Date:	**4/28/2017**	SeqNo:	**1335074**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1704683**

01-May-17

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-31278**	SampType:	**MBLK**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**PBS**	Batch ID:	**31278**	RunNo:	**42318**					
Prep Date:	**4/17/2017**	Analysis Date:	**4/24/2017**	SeqNo:	**1330199**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	**LCS-31278**	SampType:	**LCS**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS**	Batch ID:	**31278**	RunNo:	**42318**					
Prep Date:	**4/17/2017**	Analysis Date:	**4/24/2017**	SeqNo:	**1330201**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	110	20	100.0	0	108	61.7	138			

Sample ID	**LCSD-31278**	SampType:	**LCSD**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS02**	Batch ID:	**31278**	RunNo:	**42318**					
Prep Date:	**4/17/2017**	Analysis Date:	**4/24/2017**	SeqNo:	**1330203**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	110	20	100.0	0	108	61.7	138	0	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1704683**

01-May-17

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **lcs-31275**	SampType: **LCS**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **LCSS**	Batch ID: **31275**	RunNo: **42269**
Prep Date: **4/17/2017**	Analysis Date: **4/20/2017**	SeqNo: **1328763** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	105	70	130			
Toluene	1.2	0.050	1.000	0	120	70	130			
Ethylbenzene	1.2	0.050	1.000	0	116	70	130			
Xylenes, Total	3.4	0.10	3.000	0	113	70	130			
Surr: 1,2-Dichloroethane-d4	0.46		0.5000		92.5	70	130			
Surr: 4-Bromofluorobenzene	0.51		0.5000		102	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		93.5	70	130			
Surr: Toluene-d8	0.57		0.5000		113	70	130			

Sample ID **mb-31275**	SampType: **MBLK**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **PBS**	Batch ID: **31275**	RunNo: **42269**
Prep Date: **4/17/2017**	Analysis Date: **4/20/2017**	SeqNo: **1328764** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.46		0.5000		92.2	70	130			
Surr: 4-Bromofluorobenzene	0.52		0.5000		104	70	130			
Surr: Dibromofluoromethane	0.49		0.5000		97.0	70	130			
Surr: Toluene-d8	0.56		0.5000		113	70	130			

Sample ID **1704683-001ams**	SampType: **MS**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **Cell #1 VZ S-1**	Batch ID: **31275**	RunNo: **42269**
Prep Date: **4/17/2017**	Analysis Date: **4/20/2017**	SeqNo: **1328766** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.78	0.023	0.9191	0	84.7	61.9	146			
Toluene	0.93	0.046	0.9191	0	102	70	130			
Ethylbenzene	0.92	0.046	0.9191	0	100	70	130			
Xylenes, Total	2.7	0.092	2.757	0	96.6	70	130			
Surr: 1,2-Dichloroethane-d4	0.42		0.4596		90.4	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.4596		105	70	130			
Surr: Dibromofluoromethane	0.41		0.4596		88.6	70	130			
Surr: Toluene-d8	0.50		0.4596		108	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1704683**

01-May-17

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**1704683-001amsd**	SampType:	**MSD**	TestCode:	**EPA Method 8260B: Volatiles Short List**
Client ID:	**Cell #1 VZ S-1**	Batch ID:	**31275**	RunNo:	**42269**
Prep Date:	**4/17/2017**	Analysis Date:	**4/20/2017**	SeqNo:	**1328767** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.81	0.024	0.9569	0	84.6	61.9	146	3.80	20	
Toluene	0.96	0.048	0.9569	0	101	70	130	2.95	20	
Ethylbenzene	0.92	0.048	0.9569	0	95.9	70	130	0.316	0	
Xylenes, Total	2.7	0.096	2.871	0	95.8	70	130	3.16	0	
Surr: 1,2-Dichloroethane-d4	0.42		0.4785		87.1	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.50		0.4785		104	70	130	0	0	
Surr: Dibromofluoromethane	0.43		0.4785		90.9	70	130	0	0	
Surr: Toluene-d8	0.51		0.4785		106	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1704683** RcptNo: **1**

Received By: **Lindsay Mangin** **4/15/2017 9:15:00 AM**

Completed By: **Lindsay Mangin** **4/17/2017 9:40:29 AM**

Reviewed By: IO 4/17/17

Chain of Custody

1. Custody seals intact on sample bottles?	Yes	No	Not Present ✔
2. Is Chain of Custody complete?	Yes ✔	No	Not Present
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ✔	No	NA
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ✔	No	NA
6. Sample(s) in proper container(s)?	Yes ✔	No	
7. Sufficient sample volume for indicated test(s)?	Yes ✔	No	
8. Are samples (except VOA and ONG) properly preserved?	Yes ✔	No	
9. Was preservative added to bottles?	Yes	No ✔	NA
10. VOA vials have zero headspace?	Yes	No	No VOA Vials ✔
11. Were any sample containers received broken?	Yes	No ✔	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ✔	No	# of preserved bottles checked for pH: (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ✔	No	Adjusted?
14. Is it clear what analyses were requested?	Yes ✔	No	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ✔	No	Checked by:

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes No NA ✔

Person Notified: Date:

By Whom: Via: eMail Phone Fax In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.2	Good	Yes			

Chain-of-Custody Record

Client: **Animas Environmental Services**

Mailing Address: **604 W. Pinon Street**
Farmington, NM 87401

Phone #: **505-564-2281**

email or Fax#: emcnally@animasenvironmental.co

QA/QC Package:
X Standard □ Level 4 (Full Validation)

Accreditation:
□ NELAP □ Other

□ EDD (Type)

Turn-Around Time:
X Standard □ Rush

Project Name: **BMG Landfarm**

Project #: **AES 040605**

Project Manager: Elizabeth McNally

Sampler: S. Glasses

On Ice: X Yes □ No

Sample Temperature: 1.2

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No 1704683	BTEX 8260B	TPH 418.1	Chlorides 300.0	Air Bubbles (Y or N)
4/13/2017	13:20	Soil	Cell #3 VZ S-1	2 - 4 oz jars	Cool	-009	X	X	X	
4/13/2017	13:35	Soil	Cell #3 VZ S-2	2 - 4 oz jars	Cool	-010	X	X	X	
4/13/2017	13:55	Soil	Cell #3 VZ S-3	2 - 4 oz jars	Cool	-011	X	X	X	
4/13/2017	14:13	Soil	Cell #3 VZ S-4	2 - 4 oz jars	Cool	-012	X	X	X	
4/13/2017	14:31	Soil	Cell #4 VZ S-1	2 - 4 oz jars	Cool	-013	X	X	X	
4/13/2017	14:46	Soil	Cell #4 VZ S-2	2 - 4 oz jars	Cool	-014	X	X	X	
4/13/2017	15:00	Soil	Cell #4 VZ S-3	2 - 4 oz jars	Cool	-015	X	X	X	
4/13/2017	15:18	Soil	Cell #4 VZ S-4	2 - 4 oz jars	Cool	-016	X	X	X	

Date:	Time:	Relinquished by:	Received by:	Date	Time
4/14/17	1647			4/14/17	1647
Date:	Time:	Relinquished by:	Received by:	Date	Time
4/14/17	1751			04/15/17	0915

Remarks: Call if questions.

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

Chain-of-Custody Record

Client:	Animas Environmental Services
Mailing Address:	604 W. Pinon Street
	Farmington, NM 87401
Phone #:	505-564-2281
email or Fax#:	emcnally@animasenvironmental.co
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other
□ EDD (Type)	

Turn-Around Time:	
X Standard	□ Rush
Project Name:	BMG Landfarm
Project #:	AES 040605
Project Manager:	Elizabeth McNally
Sampler: S. Glasses	
On Ice:	X Yes □ No
Sample Temperature:	1.2

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1704683	BTEX 8260B	TPH 418.1	Chlorides 300.0								Air Bubbles (Y or N)
4/13/2017	10:41	Soil	Cell #1 VZ S-1	2 - 4 oz jars	Cool	-001	X	X	X								
4/13/2017	11:04	Soil	Cell #1 VZ S-2	2 - 4 oz jars	Cool	-002	X	X	X								
4/13/2017	11:28	Soil	Cell #1 VZ S-3	2 - 4 oz jars	Cool	-003	X	X	X								
4/13/2017	11:47	Soil	Cell #1 VZ S-4	2 - 4 oz jars	Cool	-004	X	X	X								
4/13/2017	12:10	Soil	Cell #2 VZ S-1	2 - 4 oz jars	Cool	-005	X	X	X								
4/13/2017	12:27	Soil	Cell #2 VZ S-2	2 - 4 oz jars	Cool	-006	X	X	X								
4/13/2017	12:41	Soil	Cell #2 VZ S-3	2 - 4 oz jars	Cool	-007	X	X	X								
4/13/2017	13:00	Soil	Cell #2 VZ S-4	2 - 4 oz jars	Cool	-008	X	X	X								

04/15/17 0915

See back

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

June 29, 2017

Elizabeth McNally

Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG Evap Pond OrderNo.: 1706B37

Dear Elizabeth McNally:

Hall Environmental Analysis Laboratory received 5 sample(s) on 6/21/2017 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 #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-1
Project: BMG Evap Pond
Collection Date: 6/20/2017 12:51:00 PM
Lab ID: 1706B37-001
Matrix: AQUEOUS
Received Date: 6/21/2017 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **JME**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/22/2017 6:17:24 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/22/2017 6:17:24 PM
Surr: DNOP	115	72.4-157		%Rec	1	6/22/2017 6:17:24 PM
EPA METHOD 300.0: ANIONS						Analyst: **JRR**
Chloride	25	5.0		mg/L	10	6/24/2017 7:35:11 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	1.0		µg/L	1	6/22/2017 3:36:27 PM
Toluene	ND	1.0		µg/L	1	6/22/2017 3:36:27 PM
Ethylbenzene	ND	1.0		µg/L	1	6/22/2017 3:36:27 PM
Xylenes, Total	ND	1.5		µg/L	1	6/22/2017 3:36:27 PM
Surr: 1,2-Dichloroethane-d4	108	70-130		%Rec	1	6/22/2017 3:36:27 PM
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	6/22/2017 3:36:27 PM
Surr: Dibromofluoromethane	102	70-130		%Rec	1	6/22/2017 3:36:27 PM
Surr: Toluene-d8	100	70-130		%Rec	1	6/22/2017 3:36:27 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **AG**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/22/2017 3:36:27 PM
Surr: BFB	92.7	70-130		%Rec	1	6/22/2017 3:36:27 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	662	40.0	*D	mg/L	1	6/25/2017 1:47:00 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-2
Project: BMG Evap Pond
Collection Date: 6/20/2017 1:27:00 PM
Lab ID: 1706B37-002
Matrix: AQUEOUS
Received Date: 6/21/2017 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **JME**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/22/2017 6:46:22 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/22/2017 6:46:22 PM
Surr: DNOP	109	72.4-157		%Rec	1	6/22/2017 6:46:22 PM
EPA METHOD 300.0: ANIONS						Analyst: **JRR**
Chloride	770	50	*	mg/L	100	6/24/2017 8:37:13 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	1.0		µg/L	1	6/22/2017 4:06:47 PM
Toluene	ND	1.0		µg/L	1	6/22/2017 4:06:47 PM
Ethylbenzene	ND	1.0		µg/L	1	6/22/2017 4:06:47 PM
Xylenes, Total	ND	1.5		µg/L	1	6/22/2017 4:06:47 PM
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	1	6/22/2017 4:06:47 PM
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	6/22/2017 4:06:47 PM
Surr: Dibromofluoromethane	111	70-130		%Rec	1	6/22/2017 4:06:47 PM
Surr: Toluene-d8	99.5	70-130		%Rec	1	6/22/2017 4:06:47 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **AG**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/22/2017 4:06:47 PM
Surr: BFB	93.6	70-130		%Rec	1	6/22/2017 4:06:47 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	2160	100	*D	mg/L	1	6/25/2017 1:47:00 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-3
Project: BMG Evap Pond
Collection Date: 6/20/2017 11:31:00 AM
Lab ID: 1706B37-003
Matrix: AQUEOUS
Received Date: 6/21/2017 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **JME**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/22/2017 7:15:27 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/22/2017 7:15:27 PM
Surr: DNOP	109	72.4-157		%Rec	1	6/22/2017 7:15:27 PM
EPA METHOD 300.0: ANIONS						Analyst: **JRR**
Chloride	28	5.0		mg/L	10	6/24/2017 8:49:38 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	1.0		µg/L	1	6/22/2017 4:37:10 PM
Toluene	ND	1.0		µg/L	1	6/22/2017 4:37:10 PM
Ethylbenzene	ND	1.0		µg/L	1	6/22/2017 4:37:10 PM
Xylenes, Total	ND	1.5		µg/L	1	6/22/2017 4:37:10 PM
Surr: 1,2-Dichloroethane-d4	108	70-130		%Rec	1	6/22/2017 4:37:10 PM
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	6/22/2017 4:37:10 PM
Surr: Dibromofluoromethane	107	70-130		%Rec	1	6/22/2017 4:37:10 PM
Surr: Toluene-d8	96.1	70-130		%Rec	1	6/22/2017 4:37:10 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **AG**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/22/2017 4:37:10 PM
Surr: BFB	90.6	70-130		%Rec	1	6/22/2017 4:37:10 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	590	40.0	*D	mg/L	1	6/25/2017 1:47:00 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-4
Project: BMG Evap Pond
Collection Date: 6/20/2017 12:12:00 PM
Lab ID: 1706B37-004 **Matrix:** AQUEOUS **Received Date:** 6/21/2017 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **JME**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/22/2017 7:44:37 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/22/2017 7:44:37 PM
Surr: DNOP	110	72.4-157		%Rec	1	6/22/2017 7:44:37 PM
EPA METHOD 300.0: ANIONS						Analyst: **JRR**
Chloride	180	5.0		mg/L	10	6/24/2017 9:39:15 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	1.0		µg/L	1	6/22/2017 5:07:30 PM
Toluene	ND	1.0		µg/L	1	6/22/2017 5:07:30 PM
Ethylbenzene	ND	1.0		µg/L	1	6/22/2017 5:07:30 PM
Xylenes, Total	ND	1.5		µg/L	1	6/22/2017 5:07:30 PM
Surr: 1,2-Dichloroethane-d4	109	70-130		%Rec	1	6/22/2017 5:07:30 PM
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	6/22/2017 5:07:30 PM
Surr: Dibromofluoromethane	98.8	70-130		%Rec	1	6/22/2017 5:07:30 PM
Surr: Toluene-d8	99.9	70-130		%Rec	1	6/22/2017 5:07:30 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **AG**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/22/2017 5:07:30 PM
Surr: BFB	93.9	70-130		%Rec	1	6/22/2017 5:07:30 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	744	40.0	*D	mg/L	1	6/25/2017 1:47:00 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Trip Blank
Project: BMG Evap Pond
Collection Date:
Lab ID: 1706B37-005
Matrix: AQUEOUS
Received Date: 6/21/2017 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	1.0		µg/L	1	6/22/2017 5:37:48 PM
Toluene	ND	1.0		µg/L	1	6/22/2017 5:37:48 PM
Ethylbenzene	ND	1.0		µg/L	1	6/22/2017 5:37:48 PM
Xylenes, Total	ND	1.5		µg/L	1	6/22/2017 5:37:48 PM
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	1	6/22/2017 5:37:48 PM
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	6/22/2017 5:37:48 PM
Surr: Dibromofluoromethane	114	70-130		%Rec	1	6/22/2017 5:37:48 PM
Surr: Toluene-d8	101	70-130		%Rec	1	6/22/2017 5:37:48 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **AG**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/22/2017 5:37:48 PM
Surr: BFB	92.4	70-130		%Rec	1	6/22/2017 5:37:48 PM

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1706B37**

29-Jun-17

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID	**MB**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R43798**	RunNo:	**43798**					
Prep Date:		Analysis Date:	**6/24/2017**	SeqNo:	**1381110**	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:	**R43798**	RunNo:	**43798**					
Prep Date:		Analysis Date:	**6/24/2017**	SeqNo:	**1381111**	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	95.0	90	110			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1706B37**
29-Jun-17

Client: Animas Environmental Services
Project: BMG Evap Pond

Sample ID	**MB-32423**	SampType:	**MBLK**		TestCode:	**EPA Method 8015M/D: Diesel Range**				
Client ID:	**PBW**	Batch ID:	**32423**		RunNo:	**43710**				
Prep Date:	**6/21/2017**	Analysis Date:	**6/22/2017**		SeqNo:	**1377622**	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	1.0		1.000		100	72.4	157			

Sample ID	**LCS-32423**	SampType:	**LCS**		TestCode:	**EPA Method 8015M/D: Diesel Range**				
Client ID:	**LCSW**	Batch ID:	**32423**		RunNo:	**43710**				
Prep Date:	**6/21/2017**	Analysis Date:	**6/22/2017**		SeqNo:	**1377623**	Units:	**mg/L**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	6.2	1.0	5.000	0	123	82.8	146			
Surr: DNOP	0.54		0.5000		108	72.4	157			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1706B37**

29-Jun-17

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **A43734**	RunNo: **43734**
Prep Date:	Analysis Date: **6/22/2017**	SeqNo: **1377660** 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	1.5								
Surr: 1,2-Dichloroethane-d4	11		10.00		111	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		106	70	130			
Surr: Dibromofluoromethane	10		10.00		104	70	130			
Surr: Toluene-d8	9.6		10.00		95.7	70	130			

Sample ID **100ng lcs2**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **A43734**	RunNo: **43734**
Prep Date:	Analysis Date: **6/22/2017**	SeqNo: **1377684** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	24	1.0	20.00	0	120	70	130			
Toluene	18	1.0	20.00	0	92.3	70	130			
Surr: 1,2-Dichloroethane-d4	11		10.00		105	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		111	70	130			
Surr: Dibromofluoromethane	10		10.00		104	70	130			
Surr: Toluene-d8	9.4		10.00		93.7	70	130			

Sample ID **1706b37-001ams**	SampType: **MS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **MW-1**	Batch ID: **A43734**	RunNo: **43734**
Prep Date:	Analysis Date: **6/22/2017**	SeqNo: **1377694** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	25	1.0	20.00	0	126	70	130			
Toluene	19	1.0	20.00	0.1658	92.1	70	130			
Surr: 1,2-Dichloroethane-d4	11		10.00		106	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		107	70	130			
Surr: Dibromofluoromethane	9.9		10.00		99.1	70	130			
Surr: Toluene-d8	9.7		10.00		97.3	70	130			

Sample ID **1706b37-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **MW-1**	Batch ID: **A43734**	RunNo: **43734**
Prep Date:	Analysis Date: **6/22/2017**	SeqNo: **1377695** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	24	1.0	20.00	0	121	70	130	3.81	20	
Toluene	18	1.0	20.00	0.1658	87.8	70	130	4.72	20	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1706B37**

29-Jun-17

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID	**1706b37-001amsd**	SampType:	**MSD**	TestCode:	**EPA Method 8260: Volatiles Short List**
Client ID:	**MW-1**	Batch ID:	**A43734**	RunNo:	**43734**
Prep Date:		Analysis Date:	**6/22/2017**	SeqNo:	**1377695** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	11		10.00		108	70	130	0	0	
Surr: 4-Bromofluorobenzene	11		10.00		112	70	130	0	0	
Surr: Dibromofluoromethane	10		10.00		102	70	130	0	0	
Surr: Toluene-d8	9.7		10.00		97.3	70	130	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1706B37**

29-Jun-17

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBW**	Batch ID: **R43734**	RunNo: **43734**
Prep Date:	Analysis Date: **6/22/2017**	SeqNo: **1377721** 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	9.1		10.00		90.7	70	130			

Sample ID **2.5ug gro lcs**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSW**	Batch ID: **R43734**	RunNo: **43734**
Prep Date:	Analysis Date: **6/22/2017**	SeqNo: **1377722** 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	94.2	75.9	120			
Surr: BFB	9.0		10.00		90.4	70	130			

Sample ID **1706b37-002ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **MW-2**	Batch ID: **R43734**	RunNo: **43734**
Prep Date:	Analysis Date: **6/22/2017**	SeqNo: **1377731** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.43	0.050	0.5000	0.01480	83.7	70	130			
Surr: BFB	9.1		10.00		91.1	70	130			

Sample ID **1706b37-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **MW-2**	Batch ID: **R43734**	RunNo: **43734**
Prep Date:	Analysis Date: **6/22/2017**	SeqNo: **1377732** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.43	0.050	0.5000	0.01480	83.4	70	130	0.416	20	
Surr: BFB	9.3		10.00		92.8	70	130	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1706B37**

29-Jun-17

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID	**MB-32462**	SampType:	**MBLK**		TestCode:	**SM2540C MOD: Total Dissolved Solids**				
Client ID:	**PBW**	Batch ID:	**32462**		RunNo:	**43772**				
Prep Date:	**6/23/2017**	Analysis Date:	**6/25/2017**		SeqNo:	**1378753**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	**LCS-32462**	SampType:	**LCS**		TestCode:	**SM2540C MOD: Total Dissolved Solids**				
Client ID:	**LCSW**	Batch ID:	**32462**		RunNo:	**43772**				
Prep Date:	**6/23/2017**	Analysis Date:	**6/25/2017**		SeqNo:	**1378754**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	987	20.0	1000	0	98.7	80	120			

Sample ID	**1706B37-004CMS**	SampType:	**MS**		TestCode:	**SM2540C MOD: Total Dissolved Solids**				
Client ID:	**MW-4**	Batch ID:	**32462**		RunNo:	**43772**				
Prep Date:	**6/23/2017**	Analysis Date:	**6/25/2017**		SeqNo:	**1378759**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	2740	40.0	2000	744.0	99.8	80	120			D

Sample ID	**1706B37-004CMSD**	SampType:	**MSD**		TestCode:	**SM2540C MOD: Total Dissolved Solids**				
Client ID:	**MW-4**	Batch ID:	**32462**		RunNo:	**43772**				
Prep Date:	**6/23/2017**	Analysis Date:	**6/25/2017**		SeqNo:	**1378760**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	2750	40.0	2000	744.0	100	80	120	0.292	5	D

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental | Work Order Number: 1706B37 | RcptNo: 1

Received By: **Anne Thorne** 6/21/2017 7:45:00 AM

Completed By: **Erin Melendrez** 6/21/2017 11:50:20 AM

Reviewed By: 6/21/17

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted? _____
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.3	Good	Yes			

Chain-of-Custody Record

Client:	**Animas Environmental Services**
Mailing Address:	**604 W. Pinon Street**
	Farmington, NM 87401
Phone #:	**505-564-2281**
email or Fax#:	emcnally@animasenvironmental.co
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other_____
□ EDD (Type)	_____

Turn-Around Time:
X Standard □ Rush_____

Project Name:
BMG Evap Pond

Project #:
AES 040605

Project Manager:
Elizabeth McNally

Sampler: SG
On Ice: X Yes □ No
Sample Temperature: 1.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1706B37	BTEX 8021	TPH (GRO/DRO/MRO) 8015	TDS SM2540C	Chlorides 300.0							Air Bubbles (Y or N)
6/20/2017	1251	H2O	MW-1	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-001	X	X	X	X							
6/20/2017	1327	H2O	MW-2	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-002	X	X	X	X							
6/20/2017	1131	H2O	MW-3	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-003	X	X	X	X							
6/20/2017	1212	H2O	MW-4	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-004	X	X	X	X							
		H2O	Trip Blank		Cold	-005	X										

Date:	Time:	Relinquished by:	Received by:	Date	Time	Remarks:
6/20/17	1636			6/20/17	1636	
Date:	Time:	Relinquished by:	Received by:	Date	Time	
6/20/17	1849			06/21/17	0745	

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

June 28, 2017

Elizabeth McNally
Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG Landfarm OrderNo.: 1706D03

Dear Elizabeth McNally:

Hall Environmental Analysis Laboratory received 16 sample(s) on 6/23/2017 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 #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1706D03**
Date Reported: **6/28/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-1
Project: BMG Landfarm
Collection Date: 6/22/2017 9:46:00 AM
Lab ID: 1706D03-001 **Matrix:** SOIL **Received Date:** 6/23/2017 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/27/2017 3:43:27 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/27/2017 3:43:27 PM
Surr: DNOP	108	70-130		%Rec	1	6/27/2017 3:43:27 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/27/2017 5:18:15 PM
Surr: BFB	99.8	54-150		%Rec	1	6/27/2017 5:18:15 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-2
Project: BMG Landfarm
Collection Date: 6/22/2017 10:06:00 AM
Lab ID: 1706D03-002 **Matrix:** SOIL **Received Date:** 6/23/2017 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/27/2017 4:50:10 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/27/2017 4:50:10 PM
Surr: DNOP	117	70-130		%Rec	1	6/27/2017 4:50:10 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/27/2017 8:06:14 PM
Surr: BFB	93.2	54-150		%Rec	1	6/27/2017 8:06:14 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-3
Project: BMG Landfarm
Collection Date: 6/22/2017 10:24:00 AM
Lab ID: 1706D03-003 **Matrix:** SOIL **Received Date:** 6/23/2017 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/27/2017 5:12:33 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/27/2017 5:12:33 PM
Surr: DNOP	108	70-130		%Rec	1	6/27/2017 5:12:33 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/27/2017 8:30:06 PM
Surr: BFB	93.8	54-150		%Rec	1	6/27/2017 8:30:06 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-4
Project: BMG Landfarm
Collection Date: 6/22/2017 10:38:00 AM
Lab ID: 1706D03-004 **Matrix:** SOIL **Received Date:** 6/23/2017 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/27/2017 5:35:16 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/27/2017 5:35:16 PM
Surr: DNOP	109	70-130		%Rec	1	6/27/2017 5:35:16 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/27/2017 8:54:08 PM
Surr: BFB	95.0	54-150		%Rec	1	6/27/2017 8:54:08 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-1
Project: BMG Landfarm
Collection Date: 6/22/2017 10:50:00 AM
Lab ID: 1706D03-005 **Matrix:** SOIL **Received Date:** 6/23/2017 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	6/27/2017 5:57:48 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/27/2017 5:57:48 PM
Surr: DNOP	109	70-130		%Rec	1	6/27/2017 5:57:48 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/27/2017 9:18:01 PM
Surr: BFB	96.0	54-150		%Rec	1	6/27/2017 9:18:01 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-2
Project: BMG Landfarm
Collection Date: 6/22/2017 11:05:00 AM
Lab ID: 1706D03-006 **Matrix:** SOIL **Received Date:** 6/23/2017 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/27/2017 6:20:19 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/27/2017 6:20:19 PM
Surr: DNOP	112	70-130		%Rec	1	6/27/2017 6:20:19 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/27/2017 9:41:54 PM
Surr: BFB	95.6	54-150		%Rec	1	6/27/2017 9:41:54 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-3
Project: BMG Landfarm
Collection Date: 6/22/2017 11:18:00 AM
Lab ID: 1706D03-007 **Matrix:** SOIL **Received Date:** 6/23/2017 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/27/2017 6:42:52 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/27/2017 6:42:52 PM
Surr: DNOP	111	70-130		%Rec	1	6/27/2017 6:42:52 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/27/2017 10:05:47 PM
Surr: BFB	94.7	54-150		%Rec	1	6/27/2017 10:05:47 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-4
Project: BMG Landfarm
Collection Date: 6/22/2017 11:32:00 AM
Lab ID: 1706D03-008 **Matrix:** SOIL **Received Date:** 6/23/2017 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	6/27/2017 7:05:12 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/27/2017 7:05:12 PM
Surr: DNOP	116	70-130		%Rec	1	6/27/2017 7:05:12 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/27/2017 10:29:50 PM
Surr: BFB	94.5	54-150		%Rec	1	6/27/2017 10:29:50 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-1
Project: BMG Landfarm
Collection Date: 6/22/2017 11:50:00 AM
Lab ID: 1706D03-009
Matrix: SOIL
Received Date: 6/23/2017 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/27/2017 7:27:22 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/27/2017 7:27:22 PM
Surr: DNOP	111	70-130		%Rec	1	6/27/2017 7:27:22 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/27/2017 10:53:55 PM
Surr: BFB	94.8	54-150		%Rec	1	6/27/2017 10:53:55 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-2
Project: BMG Landfarm
Collection Date: 6/22/2017 12:04:00 PM
Lab ID: 1706D03-010 **Matrix:** SOIL **Received Date:** 6/23/2017 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/27/2017 7:49:42 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/27/2017 7:49:42 PM
Surr: DNOP	111	70-130		%Rec	1	6/27/2017 7:49:42 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/27/2017 11:17:45 PM
Surr: BFB	97.4	54-150		%Rec	1	6/27/2017 11:17:45 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-3
Project: BMG Landfarm
Collection Date: 6/22/2017 12:18:00 PM
Lab ID: 1706D03-011 **Matrix:** SOIL **Received Date:** 6/23/2017 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/27/2017 8:11:50 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/27/2017 8:11:50 PM
Surr: DNOP	113	70-130		%Rec	1	6/27/2017 8:11:50 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/27/2017 11:41:37 PM
Surr: BFB	96.4	54-150		%Rec	1	6/27/2017 11:41:37 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-4
Project: BMG Landfarm
Collection Date: 6/22/2017 12:30:00 PM
Lab ID: 1706D03-012
Matrix: SOIL
Received Date: 6/23/2017 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	6/27/2017 8:34:05 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/27/2017 8:34:05 PM
Surr: DNOP	105	70-130		%Rec	1	6/27/2017 8:34:05 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/28/2017 12:05:29 AM
Surr: BFB	97.4	54-150		%Rec	1	6/28/2017 12:05:29 AM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-1
Project: BMG Landfarm
Collection Date: 6/22/2017 12:50:00 PM
Lab ID: 1706D03-013
Matrix: SOIL
Received Date: 6/23/2017 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/27/2017 8:56:08 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/27/2017 8:56:08 PM
Surr: DNOP	99.3	70-130		%Rec	1	6/27/2017 8:56:08 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/28/2017 12:29:24 AM
Surr: BFB	96.1	54-150		%Rec	1	6/28/2017 12:29:24 AM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-2
Project: BMG Landfarm
Collection Date: 6/22/2017 1:01:00 PM
Lab ID: 1706D03-014
Matrix: SOIL
Received Date: 6/23/2017 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	6/27/2017 9:18:23 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/27/2017 9:18:23 PM
Surr: DNOP	107	70-130		%Rec	1	6/27/2017 9:18:23 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/28/2017 12:53:17 AM
Surr: BFB	94.8	54-150		%Rec	1	6/28/2017 12:53:17 AM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-3
Project: BMG Landfarm
Collection Date: 6/22/2017 1:17:00 PM
Lab ID: 1706D03-015 **Matrix:** SOIL **Received Date:** 6/23/2017 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/27/2017 9:40:30 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/27/2017 9:40:30 PM
Surr: DNOP	109	70-130		%Rec	1	6/27/2017 9:40:30 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/28/2017 1:17:11 AM
Surr: BFB	95.0	54-150		%Rec	1	6/28/2017 1:17:11 AM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-4
Project: BMG Landfarm
Collection Date: 6/22/2017 1:28:00 PM
Lab ID: 1706D03-016 **Matrix:** SOIL **Received Date:** 6/23/2017 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	6/27/2017 10:02:39 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/27/2017 10:02:39 PM
Surr: DNOP	109	70-130		%Rec	1	6/27/2017 10:02:39 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/28/2017 1:41:07 AM
Surr: BFB	95.8	54-150		%Rec	1	6/28/2017 1:41:07 AM

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

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1706D03**
28-Jun-17

Client: Animas Environmental Services
Project: BMG Landfarm

Sample ID	**MB-32505**	SampType:	**MBLK**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**PBS**	Batch ID:	**32505**		RunNo:	**43810**				
Prep Date:	**6/27/2017**	Analysis Date:	**6/27/2017**		SeqNo:	**1380557**	Units:	**%Rec**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		112	70	130			

Sample ID	**LCS-32505**	SampType:	**LCS**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**LCSS**	Batch ID:	**32505**		RunNo:	**43810**				
Prep Date:	**6/27/2017**	Analysis Date:	**6/27/2017**		SeqNo:	**1380558**	Units:	**%Rec**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.0		5.000		100	70	130			

Sample ID	**1706D03-001AMS**	SampType:	**MS**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**Cell #1 VZ S-1**	Batch ID:	**32483**		RunNo:	**43810**				
Prep Date:	**6/26/2017**	Analysis Date:	**6/27/2017**		SeqNo:	**1381503**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	9.8	48.92	0	88.9	55.8	122			
Surr: DNOP	5.1		4.892		104	70	130			

Sample ID	**1706D03-001AMSD**	SampType:	**MSD**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**Cell #1 VZ S-1**	Batch ID:	**32483**		RunNo:	**43810**				
Prep Date:	**6/26/2017**	Analysis Date:	**6/27/2017**		SeqNo:	**1381505**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	9.2	46.21	0	94.4	55.8	122	0.307	20	
Surr: DNOP	5.0		4.621		108	70	130	0	0	

Sample ID	**MB-32483**	SampType:	**MBLK**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**PBS**	Batch ID:	**32483**		RunNo:	**43816**				
Prep Date:	**6/26/2017**	Analysis Date:	**6/27/2017**		SeqNo:	**1381581**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.0		10.00		90.1	70	130			

Sample ID	**LCS-32483**	SampType:	**LCS**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**LCSS**	Batch ID:	**32483**		RunNo:	**43816**				
Prep Date:	**6/26/2017**	Analysis Date:	**6/27/2017**		SeqNo:	**1381582**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	50.00	0	106	73.2	114			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1706D03**
28-Jun-17

Client: Animas Environmental Services
Project: BMG Landfarm

Sample ID	**LCS-32483**	SampType: **LCS**		TestCode: **EPA Method 8015M/D: Diesel Range Organics**					
Client ID:	**LCSS**	Batch ID: **32483**		RunNo: **43816**					
Prep Date:	**6/26/2017**	Analysis Date: **6/27/2017**		SeqNo: **1381582**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.7		5.000		94.1	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1706D03**

28-Jun-17

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-32494**	SampType:	**MBLK**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**PBS**	Batch ID:	**32494**		RunNo:	**43822**				
Prep Date:	**6/26/2017**	Analysis Date:	**6/27/2017**		SeqNo:	**1381510**	Units:	**%Rec**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	940		1000		94.2	54	150			

Sample ID	**LCS-32494**	SampType:	**LCS**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**LCSS**	Batch ID:	**32494**		RunNo:	**43822**				
Prep Date:	**6/26/2017**	Analysis Date:	**6/27/2017**		SeqNo:	**1381511**	Units:	**%Rec**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		107	54	150			

Sample ID	**MB-32482**	SampType:	**MBLK**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**PBS**	Batch ID:	**32482**		RunNo:	**43822**				
Prep Date:	**6/26/2017**	Analysis Date:	**6/27/2017**		SeqNo:	**1381518**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	960		1000		95.7	54	150			

Sample ID	**1706D03-001AMS**	SampType:	**MS**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**Cell #1 VZ S-1**	Batch ID:	**32482**		RunNo:	**43822**				
Prep Date:	**6/26/2017**	Analysis Date:	**6/27/2017**		SeqNo:	**1381521**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	5.0	24.90	0	119	77.8	128			
Surr: BFB	1100		996.0		111	54	150			

Sample ID	**1706D03-001AMSD**	SampType:	**MSD**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**Cell #1 VZ S-1**	Batch ID:	**32482**		RunNo:	**43822**				
Prep Date:	**6/26/2017**	Analysis Date:	**6/27/2017**		SeqNo:	**1381522**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.8	24.18	0	108	77.8	128	12.0	20	
Surr: BFB	1100		967.1		111	54	150	0	0	

Sample ID	**LCS-32482**	SampType:	**LCS**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**LCSS**	Batch ID:	**32482**		RunNo:	**43822**				
Prep Date:	**6/26/2017**	Analysis Date:	**6/27/2017**		SeqNo:	**1381559**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	100	76.4	125			
Surr: BFB	1000		1000		105	54	150			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental | Work Order Number: 1706D03 | RcptNo: 1

Received By: **Erin Melendrez** 6/23/2017 7:25:00 AM

Completed By: **Erin Melendrez** 6/23/2017 11:55:37 AM

Reviewed By: 6/26/17

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted? _____
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified:		Date	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

Client:	**Animas Environmental Services**
Mailing Address:	**604 W. Pinon Street**
	Farmington, NM 87401
Phone #:	**505-564-2281**
email or Fax#:	emcnally@animasenvironmental.co
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other_____
□ EDD (Type)	

Turn-Around Time:	
X Standard	□ Rush_____
Project Name:	**BMG Landfarm**
Project #:	**AES 040605**
Project Manager:	Elizabeth McNally
Sampler: S. Jaquez	
On Ice:	X Yes □ No
Sample Temperature:	.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1706D03	Analysis Request: TPH (GRO + DRO + MRO) 8015D	Air Bubbles (Y or N)
6/22/2017	09:46	Soil	Cell #1 VZ S-1	2 - 4 oz jars	Cool	-001	X	
6/22/2017	10:06	Soil	Cell #1 VZ S-2	2 - 4 oz jars	Cool	-002	X	
6/22/2017	10:24	Soil	Cell #1 VZ S-3	2 - 4 oz jars	Cool	-003	X	
6/22/2017	10:38	Soil	Cell #1 VZ S-4	2 - 4 oz jars	Cool	-004	X	
6/22/2017	10:50	Soil	Cell #2 VZ S-1	2 - 4 oz jars	Cool	-005	X	
6/22/2017	11:05	Soil	Cell #2 VZ S-2	2 - 4 oz jars	Cool	-006	X	
6/22/2017	11:18	Soil	Cell #2 VZ S-3	2 - 4 oz jars	Cool	-007	X	
6/22/2017	11:32	Soil	Cell #2 VZ S-4	2 - 4 oz jars	Cool	-008	X	

Chain-of-Custody Record

Client:	**Animas Environmental Services**
Mailing Address:	**604 W. Pinon Street**
	Farmington, NM 87401
Phone #:	**505-564-2281**
email or Fax#:	emcnally@animasenvironmental.co
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other
□ EDD (Type)	

Turn-Around Time:	
X Standard	□ Rush
Project Name:	**BMG Landfarm**
Project #:	**AES 040605**
Project Manager:	Elizabeth McNally
Sampler: S. Jaquez	
On Ice:	X Yes □ No
Sample Temperature:	

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	Analysis Request: TPH (GRO + DRO + MRO) 8015D	Air Bubbles (Y or N)
6/22/2017	11:50	Soil	Cell #3 VZ S-1	2 - 4 oz jars	Cool	-009	X	
6/22/2017	12:04	Soil	Cell #3 VZ S-2	2 - 4 oz jars	Cool	-010	X	
6/22/2017	12:18	Soil	Cell #3 VZ S-3	2 - 4 oz jars	Cool	-011	X	
6/22/2017	12:30	Soil	Cell #3 VZ S-4	2 - 4 oz jars	Cool	-012	X	
6/22/2017	12:50	Soil	Cell #4 VZ S-1	2 - 4 oz jars	Cool	-013	X	
6/22/2017	13:01	Soil	Cell #4 VZ S-2	2 - 4 oz jars	Cool	-014	X	
6/22/2017	13:17	Soil	Cell #4 VZ S-3	2 - 4 oz jars	Cool	-015	X	
6/22/2017	13:28	Soil	Cell #4 VZ S-4	2 - 4 oz jars	Cool	-016	X	

Date:	Time:	Relinquished by:	Received by:	Date	Time
6/22/17	1620			6/22/17	1620
6/22/17	1941			06/23/17	0725

Remarks: Call if questions.

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

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

October 03, 2017

Elizabeth McNally

Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX (505) 324-2022

RE: BMG Landfarm OrderNo.: 1709C48

Dear Elizabeth McNally:

Hall Environmental Analysis Laboratory received 4 sample(s) on 9/22/2017 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 #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1709C48**
Date Reported: **10/3/2017**

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 TZ CS-1
Project: BMG Landfarm
Collection Date: 9/20/2017 10:44:00 AM
Lab ID: 1709C48-001 **Matrix:** SOIL **Received Date:** 9/22/2017 7:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	30		mg/Kg	20	9/30/2017 1:29:54 AM	34170
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	320	100		mg/Kg	10	9/25/2017 1:21:11 PM	34028
Motor Oil Range Organics (MRO)	700	500		mg/Kg	10	9/25/2017 1:21:11 PM	34028
Surr: DNOP	0	70-130	S	%Rec	10	9/25/2017 1:21:11 PM	34028
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/25/2017 1:16:06 PM	34017
Surr: BFB	96.9	54-150		%Rec	1	9/25/2017 1:16:06 PM	34017

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 TZ CS-1
Project: BMG Landfarm
Collection Date: 9/20/2017 11:51:00 AM
Lab ID: 1709C48-002
Matrix: SOIL
Received Date: 9/22/2017 7:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	30		mg/Kg	20	9/30/2017 2:07:07 AM	34170
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	990	96		mg/Kg	10	9/25/2017 1:49:20 PM	34028
Motor Oil Range Organics (MRO)	1500	480		mg/Kg	10	9/25/2017 1:49:20 PM	34028
Surr: DNOP	0	70-130	S	%Rec	10	9/25/2017 1:49:20 PM	34028
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/25/2017 1:39:37 PM	34017
Surr: BFB	93.5	54-150		%Rec	1	9/25/2017 1:39:37 PM	34017

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 TZ CS-1
Project: BMG Landfarm
Collection Date: 9/20/2017 12:44:00 PM
Lab ID: 1709C48-003 **Matrix:** SOIL **Received Date:** 9/22/2017 7:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	30		mg/Kg	20	9/30/2017 2:19:32 AM	34170
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	660	94		mg/Kg	10	9/25/2017 2:17:25 PM	34028
Motor Oil Range Organics (MRO)	1400	470		mg/Kg	10	9/25/2017 2:17:25 PM	34028
Surr: DNOP	0	70-130	S	%Rec	10	9/25/2017 2:17:25 PM	34028
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/25/2017 2:03:18 PM	34017
Surr: BFB	89.4	54-150		%Rec	1	9/25/2017 2:03:18 PM	34017

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 TZ CS-1
Project: BMG Landfarm
Collection Date: 9/20/2017 1:53:00 PM
Lab ID: 1709C48-004 **Matrix:** SOIL **Received Date:** 9/22/2017 7:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	30		mg/Kg	20	9/30/2017 2:31:57 AM	34170
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	160	9.8		mg/Kg	1	9/25/2017 3:13:29 PM	34028
Motor Oil Range Organics (MRO)	270	49		mg/Kg	1	9/25/2017 3:13:29 PM	34028
Surr: DNOP	103	70-130		%Rec	1	9/25/2017 3:13:29 PM	34028
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/25/2017 2:26:45 PM	34017
Surr: BFB	88.5	54-150		%Rec	1	9/25/2017 2:26:45 PM	34017

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1709C48**

03-Oct-17

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-34170**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**34170**	RunNo:	**45993**					
Prep Date:	**9/29/2017**	Analysis Date:	**9/29/2017**	SeqNo:	**1463110**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-34170**	SampType:	**lcs**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**34170**	RunNo:	**45993**					
Prep Date:	**9/29/2017**	Analysis Date:	**9/29/2017**	SeqNo:	**1463111**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.1	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1709C48**

03-Oct-17

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**LCS-34028**	SampType:	**LCS**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**LCSS**	Batch ID:	**34028**		RunNo:	**45860**				
Prep Date:	**9/22/2017**	Analysis Date:	**9/25/2017**		SeqNo:	**1457312**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.8	73.2	114			
Surr: DNOP	4.7		5.000		94.2	70	130			

Sample ID	**MB-34028**	SampType:	**MBLK**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**PBS**	Batch ID:	**34028**		RunNo:	**45860**				
Prep Date:	**9/22/2017**	Analysis Date:	**9/25/2017**		SeqNo:	**1457313**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.3		10.00		92.7	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1709C48**

03-Oct-17

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-34017**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**PBS**	Batch ID:	**34017**	RunNo:	**45851**					
Prep Date:	**9/22/2017**	Analysis Date:	**9/25/2017**	SeqNo:	**1457383**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	940		1000		93.8	54	150			

Sample ID	**LCS-34017**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSS**	Batch ID:	**34017**	RunNo:	**45851**					
Prep Date:	**9/22/2017**	Analysis Date:	**9/25/2017**	SeqNo:	**1457384**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	76.4	125			
Surr: BFB	1300		1000		125	54	150			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1709C48** RcptNo: **1**

Received By: **Ashley Gallegos** **9/22/2017 7:40:00 AM**

Completed By: **Ashley Gallegos** **9/22/2017 9:49:50 AM**

Reviewed By: 9/22/17

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.2	Good	Yes			

Chain-of-Custody Record

Client:	**Animas Environmental Services**
Mailing Address:	**604 W. Pinon Street**
	Farmington, NM 87401
Phone #:	**505-564-2281**
email or Fax#:	emcnally@animasenvironmental.com
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other
□ EDD (Type)	

Turn-Around Time: X Standard □ Rush

Project Name: **BMG Landfarm**

Project #: AES 040605

Project Manager: Elizabeth McNally

Sampler: SG/CL

On Ice: X Yes □ No

Sample Temperature: 1.9+0.3(CF)=2.2

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 8710

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1709C48	Chlorides 300.0	TPH - GRO, DRO, MRO (8015)								Air Bubbles (Y or N)
9/20/2017	10:44	Soil	Cell #1 TZ CS-1	1 - 4 oz jars	Cool	-001	X	X								
9/20/2017	11:51	Soil	Cell #2 TZ CS-1	1 - 4 oz jars	Cool	-002	X	X								
9/20/2017	12:44	Soil	Cell #3 TZ CS-1	1 - 4 oz jars	Cool	-003	X	X								
9/20/2017	13:53	Soil	Cell #4 TZ CS-1	1 - 4 oz jars	Cool	-004	X	X								

Date: 9/21/17	Time: 1910	Relinquished by:	Received by:	Date 9/21/17	Time 1910
Date: 9/21/17	Time: 1921	Relinquished by:	Received by:	Date 09/22/17	Time 0740

Remarks: Call if questions.

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

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

September 27, 2017

Elizabeth McNally

Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX (505) 324-2022

RE: BMG Landfarm OrderNo.: 1709C49

Dear Elizabeth McNally:

Hall Environmental Analysis Laboratory received 16 sample(s) on 9/22/2017 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 #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1709C49**
Date Reported: **9/27/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-1
Project: BMG Landfarm
Collection Date: 9/20/2017 9:56:00 AM
Lab ID: 1709C49-001 **Matrix:** SOIL **Received Date:** 9/22/2017 7:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/25/2017 4:09:10 PM	34028
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/25/2017 4:09:10 PM	34028
Surr: DNOP	97.7	70-130		%Rec	1	9/25/2017 4:09:10 PM	34028
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/25/2017 2:50:08 PM	34017
Surr: BFB	88.4	54-150		%Rec	1	9/25/2017 2:50:08 PM	34017

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-2
Project: BMG Landfarm
Collection Date: 9/20/2017 10:16:00 AM
Lab ID: 1709C49-002 **Matrix:** SOIL **Received Date:** 9/22/2017 7:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/25/2017 4:37:03 PM	34028
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/25/2017 4:37:03 PM	34028
Surr: DNOP	98.3	70-130		%Rec	1	9/25/2017 4:37:03 PM	34028
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/25/2017 4:00:32 PM	34017
Surr: BFB	90.1	54-150		%Rec	1	9/25/2017 4:00:32 PM	34017

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-3
Project: BMG Landfarm
Collection Date: 9/20/2017 10:36:00 AM
Lab ID: 1709C49-003 **Matrix:** SOIL **Received Date:** 9/22/2017 7:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	9/25/2017 5:05:12 PM	34028
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/25/2017 5:05:12 PM	34028
Surr: DNOP	99.0	70-130		%Rec	1	9/25/2017 5:05:12 PM	34028
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/25/2017 4:23:58 PM	34017
Surr: BFB	90.5	54-150		%Rec	1	9/25/2017 4:23:58 PM	34017

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-4
Project: BMG Landfarm
Collection Date: 9/20/2017 10:53:00 AM
Lab ID: 1709C49-004 **Matrix:** SOIL **Received Date:** 9/22/2017 7:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/25/2017 5:33:37 PM	34028
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/25/2017 5:33:37 PM	34028
Surr: DNOP	96.2	70-130		%Rec	1	9/25/2017 5:33:37 PM	34028
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/25/2017 4:47:16 PM	34017
Surr: BFB	91.7	54-150		%Rec	1	9/25/2017 4:47:16 PM	34017

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-1
Project: BMG Landfarm
Collection Date: 9/20/2017 11:11:00 AM
Lab ID: 1709C49-005 **Matrix:** SOIL **Received Date:** 9/22/2017 7:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/25/2017 6:01:56 PM	34028
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/25/2017 6:01:56 PM	34028
Surr: DNOP	101	70-130		%Rec	1	9/25/2017 6:01:56 PM	34028
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/25/2017 5:10:37 PM	34017
Surr: BFB	89.4	54-150		%Rec	1	9/25/2017 5:10:37 PM	34017

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-2
Project: BMG Landfarm
Collection Date: 9/20/2017 11:30:00 AM
Lab ID: 1709C49-006 **Matrix:** SOIL **Received Date:** 9/22/2017 7:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	9/25/2017 6:30:21 PM	34028
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/25/2017 6:30:21 PM	34028
Surr: DNOP	86.7	70-130		%Rec	1	9/25/2017 6:30:21 PM	34028
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/25/2017 5:34:01 PM	34017
Surr: BFB	90.6	54-150		%Rec	1	9/25/2017 5:34:01 PM	34017

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-3
Project: BMG Landfarm
Collection Date: 9/20/2017 11:43:00 AM
Lab ID: 1709C49-007 **Matrix:** SOIL **Received Date:** 9/22/2017 7:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/25/2017 6:58:44 PM	34028
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/25/2017 6:58:44 PM	34028
Surr: DNOP	89.3	70-130		%Rec	1	9/25/2017 6:58:44 PM	34028
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/25/2017 5:57:27 PM	34017
Surr: BFB	90.4	54-150		%Rec	1	9/25/2017 5:57:27 PM	34017

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-4
Project: BMG Landfarm
Collection Date: 9/20/2017 11:56:00 AM
Lab ID: 1709C49-008 **Matrix:** SOIL **Received Date:** 9/22/2017 7:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	9/25/2017 7:27:04 PM	34028
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/25/2017 7:27:04 PM	34028
Surr: DNOP	89.9	70-130		%Rec	1	9/25/2017 7:27:04 PM	34028
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/25/2017 6:20:56 PM	34017
Surr: BFB	92.5	54-150		%Rec	1	9/25/2017 6:20:56 PM	34017

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-1
Project: BMG Landfarm
Collection Date: 9/20/2017 12:12:00 PM
Lab ID: 1709C49-009
Matrix: SOIL
Received Date: 9/22/2017 7:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/25/2017 7:55:30 PM	34028
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/25/2017 7:55:30 PM	34028
Surr: DNOP	88.4	70-130		%Rec	1	9/25/2017 7:55:30 PM	34028
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/25/2017 6:44:13 PM	34017
Surr: BFB	92.0	54-150		%Rec	1	9/25/2017 6:44:13 PM	34017

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-2
Project: BMG Landfarm
Collection Date: 9/20/2017 12:24:00 PM
Lab ID: 1709C49-010 **Matrix:** SOIL **Received Date:** 9/22/2017 7:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/25/2017 8:24:01 PM	34028
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/25/2017 8:24:01 PM	34028
Surr: DNOP	90.5	70-130		%Rec	1	9/25/2017 8:24:01 PM	34028
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/25/2017 8:41:37 PM	34017
Surr: BFB	90.4	54-150		%Rec	1	9/25/2017 8:41:37 PM	34017

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-3
Project: BMG Landfarm
Collection Date: 9/20/2017 12:38:00 PM
Lab ID: 1709C49-011 **Matrix:** SOIL **Received Date:** 9/22/2017 7:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/25/2017 8:52:31 PM	34028
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/25/2017 8:52:31 PM	34028
Surr: DNOP	89.6	70-130		%Rec	1	9/25/2017 8:52:31 PM	34028
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/25/2017 9:05:11 PM	34017
Surr: BFB	90.9	54-150		%Rec	1	9/25/2017 9:05:11 PM	34017

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-4
Project: BMG Landfarm
Collection Date: 9/20/2017 12:49:00 PM
Lab ID: 1709C49-012 **Matrix:** SOIL **Received Date:** 9/22/2017 7:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/25/2017 9:20:54 PM	34028
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/25/2017 9:20:54 PM	34028
Surr: DNOP	90.9	70-130		%Rec	1	9/25/2017 9:20:54 PM	34028
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/25/2017 9:28:40 PM	34017
Surr: BFB	93.0	54-150		%Rec	1	9/25/2017 9:28:40 PM	34017

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-1
Project: BMG Landfarm
Collection Date: 9/20/2017 1:09:00 PM
Lab ID: 1709C49-013 **Matrix:** SOIL **Received Date:** 9/22/2017 7:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/25/2017 9:49:22 PM	34028
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/25/2017 9:49:22 PM	34028
Surr: DNOP	92.3	70-130		%Rec	1	9/25/2017 9:49:22 PM	34028
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/25/2017 9:52:00 PM	34025
Surr: BFB	92.1	54-150		%Rec	1	9/25/2017 9:52:00 PM	34025

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-2
Project: BMG Landfarm
Collection Date: 9/20/2017 1:20:00 PM
Lab ID: 1709C49-014 **Matrix:** SOIL **Received Date:** 9/22/2017 7:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/25/2017 10:17:31 PM	34028
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/25/2017 10:17:31 PM	34028
Surr: DNOP	91.6	70-130		%Rec	1	9/25/2017 10:17:31 PM	34028
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/25/2017 11:02:28 PM	34025
Surr: BFB	91.3	54-150		%Rec	1	9/25/2017 11:02:28 PM	34025

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-3
Project: BMG Landfarm
Collection Date: 9/20/2017 1:35:00 PM
Lab ID: 1709C49-015 **Matrix:** SOIL **Received Date:** 9/22/2017 7:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	9/25/2017 10:45:37 PM	34028
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/25/2017 10:45:37 PM	34028
Surr: DNOP	91.8	70-130		%Rec	1	9/25/2017 10:45:37 PM	34028
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/25/2017 11:25:54 PM	34025
Surr: BFB	93.9	54-150		%Rec	1	9/25/2017 11:25:54 PM	34025

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-4
Project: BMG Landfarm
Collection Date: 9/20/2017 2:05:00 PM
Lab ID: 1709C49-016 **Matrix:** SOIL **Received Date:** 9/22/2017 7:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/25/2017 11:13:44 PM	34028
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/25/2017 11:13:44 PM	34028
Surr: DNOP	93.1	70-130		%Rec	1	9/25/2017 11:13:44 PM	34028
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/25/2017 11:49:14 PM	34025
Surr: BFB	93.5	54-150		%Rec	1	9/25/2017 11:49:14 PM	34025

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1709C49**

27-Sep-17

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**LCS-34028**	SampType:	**LCS**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**LCSS**	Batch ID:	**34028**		RunNo:	**45860**				
Prep Date:	**9/22/2017**	Analysis Date:	**9/25/2017**		SeqNo:	**1457312**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.8	73.2	114			
Surr: DNOP	4.7		5.000		94.2	70	130			

Sample ID	**MB-34028**	SampType:	**MBLK**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**PBS**	Batch ID:	**34028**		RunNo:	**45860**				
Prep Date:	**9/22/2017**	Analysis Date:	**9/25/2017**		SeqNo:	**1457313**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.3		10.00		92.7	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1709C49**

27-Sep-17

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-34017**	SampType:	**MBLK**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**PBS**	Batch ID:	**34017**		RunNo:	**45851**				
Prep Date:	**9/22/2017**	Analysis Date:	**9/25/2017**		SeqNo:	**1457383**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	940		1000		93.8	54	150			

Sample ID	**LCS-34017**	SampType:	**LCS**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**LCSS**	Batch ID:	**34017**		RunNo:	**45851**				
Prep Date:	**9/22/2017**	Analysis Date:	**9/25/2017**		SeqNo:	**1457384**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	76.4	125			
Surr: BFB	1300		1000		125	54	150			

Sample ID	**MB-34025**	SampType:	**MBLK**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**PBS**	Batch ID:	**34025**		RunNo:	**45851**				
Prep Date:	**9/22/2017**	Analysis Date:	**9/25/2017**		SeqNo:	**1457405**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	930		1000		92.7	54	150			

Sample ID	**LCS-34025**	SampType:	**LCS**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**LCSS**	Batch ID:	**34025**		RunNo:	**45851**				
Prep Date:	**9/22/2017**	Analysis Date:	**9/25/2017**		SeqNo:	**1457406**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	76.4	125			
Surr: BFB	1000		1000		105	54	150			

Sample ID	**1709C49-013AMS**	SampType:	**MS**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**Cell #4 VZ S-1**	Batch ID:	**34025**		RunNo:	**45851**				
Prep Date:	**9/22/2017**	Analysis Date:	**9/25/2017**		SeqNo:	**1457408**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.9	24.41	0	99.8	77.8	128			
Surr: BFB	1000		976.6		105	54	150			

Sample ID	**1709C49-013AMSD**	SampType:	**MSD**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**Cell #4 VZ S-1**	Batch ID:	**34025**		RunNo:	**45851**				
Prep Date:	**9/22/2017**	Analysis Date:	**9/25/2017**		SeqNo:	**1457409**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1709C49**
27-Sep-17

Client: Animas Environmental Services
Project: BMG Landfarm

Sample ID	**1709C49-013AMSD**	SampType:	**MSD**	TestCode:	**EPA Method 8015D: Gasoline Range**
Client ID:	**Cell #4 VZ S-1**	Batch ID:	**34025**	RunNo:	**45851**
Prep Date:	**9/22/2017**	Analysis Date:	**9/25/2017**	SeqNo:	**1457409** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	24.93	0	101	77.8	128	3.19	20	
Surr: BFB	1000		997.0		102	54	150	0	0	

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1709C49** RcptNo: **1**

Received By: **Ashley Gallegos** **9/22/2017 7:40:00 AM**

Completed By: **Ashley Gallegos** **9/22/2017 9:54:14 AM**

Reviewed By: 9/22/17

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.2	Good	Yes			

Chain-of-Custody Record

Client:	**Animas Environmental Services**
Mailing Address:	**604 W. Pinon Street**
	Farmington, NM 87401
Phone #:	**505-564-2281**
email or Fax#:	emcnally@animasenvironmental.co
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other_____
□ EDD (Type) _____	

Turn-Around Time:	
X Standard	□ Rush_____
Project Name:	**BMG Landfarm**
Project #:	**AES 040605**
Project Manager:	Elizabeth McNally
Sampler: SG/CL	
On Ice:	X Yes □ No
Sample Temperature:	1.5 +0.3(CF) = 2.9

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 8710

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1709049	Analysis Request: TPH (GRO + DRO + MRO) 8015D									Air Bubbles (Y or N)
9/20/2017	9:56	Soil	Cell #1 VZ S-1	2 - 4 oz jars	Cool	-001	X									
9/20/2017	10:16	Soil	Cell #1 VZ S-2	2 - 4 oz jars	Cool	-002	X									
9/20/2017	10:36	Soil	Cell #1 VZ S-3	2 - 4 oz jars	Cool	-003	X									
9/20/2017	10:53	Soil	Cell #1 VZ S-4	2 - 4 oz jars	Cool	-004	X									
9/20/2017	11:11	Soil	Cell #2 VZ S-1	2 - 4 oz jars	Cool	-005	X									
9/20/2017	11:30	Soil	Cell #2 VZ S-2	2 - 4 oz jars	Cool	-006	X									
9/20/2017	11:43	Soil	Cell #2 VZ S-3	2 - 4 oz jars	Cool	-007	X									
9/20/2017	11:56	Soil	Cell #2 VZ S-4	2 - 4 oz jars	Cool	-008	X									

Ashley M Gallegos 09/22/17 0740

Chain-of-Custody Record

Client: **Animas Environmental Services**

Mailing Address: **604 W. Pinon Street**
Farmington, NM 87401

Phone #: **505-564-2281**

email or Fax#: emcnally@animasenvironmental.co

QA/QC Package:
X Standard □ Level 4 (Full Validation)

Accreditation:
□ NELAP □ Other

□ EDD (Type)

Turn-Around Time:
X Standard □ **Rush**

Project Name:
BMG Landfarm

Project #:
AES 040605

Project Manager:
Elizabeth McNally

Sampler: SG/CL

On Ice: X Yes □ No

Sample Temperature: 1.2+0.3(CF)=2.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 8710
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1709643	TPH (GRO + DRO + MRO) 8015D										Air Bubbles (Y or N)
9/20/2017	12:12	Soil	Cell #3 VZ S-1	2 - 4 oz jars	Cool	-009	X										
9/20/2017	12:24	Soil	Cell #3 VZ S-2	2 - 4 oz jars	Cool	-010	X										
9/20/2017	12:38	Soil	Cell #3 VZ S-3	2 - 4 oz jars	Cool	-011	X										
9/20/2017	12:49	Soil	Cell #3 VZ S-4	2 - 4 oz jars	Cool	-012	X										
9/20/2017	13:09	Soil	Cell #4 VZ S-1	2 - 4 oz jars	Cool	-013	X										
9/20/2017	13:20	Soil	Cell #4 VZ S-2	2 - 4 oz jars	Cool	-014	X										
9/20/2017	13:35	Soil	Cell #4 VZ S-3	2 - 4 oz jars	Cool	-015	X										
9/20/2017	14:05	Soil	Cell #4 VZ S-4	2 - 4 oz jars	Cool	-016	X										

Date: 9/21/17 Time: 1910 Relinquished by:

Received by: Date 9/21/17 Time 1910

Date: 9/21/17 Time: 1921 Relinquished by:

Received by: Date 09/22/17 Time 0740

Remarks: Call if questions.

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 29, 2017

Elizabeth McNally

Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG Evap Pond OrderNo.: 1709841

Dear Elizabeth McNally:

Hall Environmental Analysis Laboratory received 6 sample(s) on 9/15/2017 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 #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1709841**
Date Reported: **9/29/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-1
Project: BMG Evap Pond
Collection Date: 9/14/2017 11:45:00 AM
Lab ID: 1709841-001
Matrix: AQUEOUS
Received Date: 9/15/2017 7:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	23	5.0		mg/L	10	9/26/2017 5:41:41 PM	R45881
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	615	20.0	*	mg/L	1	9/22/2017 3:40:00 PM	33995
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/21/2017 2:16:32 PM	33897
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/21/2017 2:16:32 PM	33897
Surr: DNOP	106	72.4-157		%Rec	1	9/21/2017 2:16:32 PM	33897
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/18/2017 8:25:55 PM	G45702
Surr: BFB	90.1	52.3-138		%Rec	1	9/18/2017 8:25:55 PM	G45702
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	9/18/2017 8:25:55 PM	B45702
Toluene	ND	1.0		µg/L	1	9/18/2017 8:25:55 PM	B45702
Ethylbenzene	ND	1.0		µg/L	1	9/18/2017 8:25:55 PM	B45702
Xylenes, Total	ND	2.0		µg/L	1	9/18/2017 8:25:55 PM	B45702
Surr: 4-Bromofluorobenzene	99.7	72.5-140		%Rec	1	9/18/2017 8:25:55 PM	B45702

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-2
Project: BMG Evap Pond
Collection Date: 9/14/2017 12:20:00 AM
Lab ID: 1709841-002
Matrix: AQUEOUS
Received Date: 9/15/2017 7:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**MRA**
Chloride	700	50	*	mg/L	100	9/26/2017 6:18:54 PM	R45881
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**KS**
Total Dissolved Solids	2030	40.0	*D	mg/L	1	9/22/2017 3:40:00 PM	33995
EPA METHOD 8015M/D: DIESEL RANGE						Analyst:	**TOM**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/21/2017 2:44:58 PM	33897
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/21/2017 2:44:58 PM	33897
Surr: DNOP	108	72.4-157		%Rec	1	9/21/2017 2:44:58 PM	33897
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/18/2017 8:49:22 PM	G45702
Surr: BFB	91.6	52.3-138		%Rec	1	9/18/2017 8:49:22 PM	G45702
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	1.0		µg/L	1	9/18/2017 8:49:22 PM	B45702
Toluene	ND	1.0		µg/L	1	9/18/2017 8:49:22 PM	B45702
Ethylbenzene	ND	1.0		µg/L	1	9/18/2017 8:49:22 PM	B45702
Xylenes, Total	ND	2.0		µg/L	1	9/18/2017 8:49:22 PM	B45702
Surr: 4-Bromofluorobenzene	107	72.5-140		%Rec	1	9/18/2017 8:49:22 PM	B45702

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-3
Project: BMG Evap Pond
Collection Date: 9/14/2017 12:47:00 PM
Lab ID: 1709841-003
Matrix: AQUEOUS
Received Date: 9/15/2017 7:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**MRA**
Chloride	30	5.0		mg/L	10	9/26/2017 6:31:19 PM	R45881
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**KS**
Total Dissolved Solids	595	20.0	*	mg/L	1	9/22/2017 3:40:00 PM	33995
EPA METHOD 8015M/D: DIESEL RANGE						Analyst:	**TOM**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/21/2017 3:13:22 PM	33897
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/21/2017 3:13:22 PM	33897
Surr: DNOP	105	72.4-157		%Rec	1	9/21/2017 3:13:22 PM	33897
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/18/2017 9:12:40 PM	G45702
Surr: BFB	91.2	52.3-138		%Rec	1	9/18/2017 9:12:40 PM	G45702
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	1.0		µg/L	1	9/18/2017 9:12:40 PM	B45702
Toluene	ND	1.0		µg/L	1	9/18/2017 9:12:40 PM	B45702
Ethylbenzene	ND	1.0		µg/L	1	9/18/2017 9:12:40 PM	B45702
Xylenes, Total	ND	2.0		µg/L	1	9/18/2017 9:12:40 PM	B45702
Surr: 4-Bromofluorobenzene	104	72.5-140		%Rec	1	9/18/2017 9:12:40 PM	B45702

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-4
Project: BMG Evap Pond
Collection Date: 9/14/2017 11:20:00 AM
Lab ID: 1709841-004
Matrix: AQUEOUS
Received Date: 9/15/2017 7:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	170	50		mg/L	100	9/26/2017 7:08:33 PM	R45881
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	775	20.0	*	mg/L	1	9/22/2017 3:40:00 PM	33995
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/21/2017 3:42:00 PM	33897
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/21/2017 3:42:00 PM	33897
Surr: DNOP	109	72.4-157		%Rec	1	9/21/2017 3:42:00 PM	33897
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/18/2017 9:36:00 PM	G45702
Surr: BFB	97.6	52.3-138		%Rec	1	9/18/2017 9:36:00 PM	G45702
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	9/18/2017 9:36:00 PM	B45702
Toluene	ND	1.0		µg/L	1	9/18/2017 9:36:00 PM	B45702
Ethylbenzene	ND	1.0		µg/L	1	9/18/2017 9:36:00 PM	B45702
Xylenes, Total	ND	2.0		µg/L	1	9/18/2017 9:36:00 PM	B45702
Surr: 4-Bromofluorobenzene	110	72.5-140		%Rec	1	9/18/2017 9:36:00 PM	B45702

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Interstitial Well
Project: BMG Evap Pond
Collection Date: 9/14/2017 1:11:00 PM
Lab ID: 1709841-005
Matrix: AQUEOUS
Received Date: 9/15/2017 7:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	97000	5000	*	mg/L	1E	9/26/2017 7:58:11 PM	R45881
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	118000	2000	*D	mg/L	1	9/22/2017 3:40:00 PM	33995
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**	
Diesel Range Organics (DRO)	4.5	1.0		mg/L	1	9/21/2017 4:10:34 PM	33897
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/21/2017 4:10:34 PM	33897
Surr: DNOP	101	72.4-157		%Rec	1	9/21/2017 4:10:34 PM	33897
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/18/2017 9:59:25 PM	G45702
Surr: BFB	85.0	52.3-138		%Rec	1	9/18/2017 9:59:25 PM	G45702
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	9/18/2017 9:59:25 PM	B45702
Toluene	ND	1.0		µg/L	1	9/18/2017 9:59:25 PM	B45702
Ethylbenzene	ND	1.0		µg/L	1	9/18/2017 9:59:25 PM	B45702
Xylenes, Total	ND	2.0		µg/L	1	9/18/2017 9:59:25 PM	B45702
Surr: 4-Bromofluorobenzene	98.7	72.5-140		%Rec	1	9/18/2017 9:59:25 PM	B45702

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Trip Blank
Project: BMG Evap Pond
Collection Date:
Lab ID: 1709841-006
Matrix: AQUEOUS
Received Date: 9/15/2017 7:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/18/2017 10:46:25 PM	G45702
Surr: BFB	96.4	52.3-138		%Rec	1	9/18/2017 10:46:25 PM	G45702
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	9/18/2017 10:46:25 PM	B45702
Toluene	ND	1.0		µg/L	1	9/18/2017 10:46:25 PM	B45702
Ethylbenzene	ND	1.0		µg/L	1	9/18/2017 10:46:25 PM	B45702
Xylenes, Total	ND	2.0		µg/L	1	9/18/2017 10:46:25 PM	B45702
Surr: 4-Bromofluorobenzene	109	72.5-140		%Rec	1	9/18/2017 10:46:25 PM	B45702

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1709841**

29-Sep-17

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID	**MB**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R45881**	RunNo:	**45881**					
Prep Date:		Analysis Date:	**9/26/2017**	SeqNo:	**1459310**	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:	**R45881**	RunNo:	**45881**					
Prep Date:		Analysis Date:	**9/26/2017**	SeqNo:	**1459311**	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	95.0	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1709841**

29-Sep-17

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID	**LCS-33897**	SampType:	**LCS**		TestCode:	**EPA Method 8015M/D: Diesel Range**				
Client ID:	**LCSW**	Batch ID:	**33897**		RunNo:	**45710**				
Prep Date:	**9/15/2017**	Analysis Date:	**9/19/2017**		SeqNo:	**1451844**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	5.2	1.0	5.000	0	104	92.3	135			
Surr: DNOP	0.51		0.5000		103	72.4	157			

Sample ID	**MB-33897**	SampType:	**MBLK**		TestCode:	**EPA Method 8015M/D: Diesel Range**				
Client ID:	**PBW**	Batch ID:	**33897**		RunNo:	**45710**				
Prep Date:	**9/15/2017**	Analysis Date:	**9/19/2017**		SeqNo:	**1451845**	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	1.2		1.000		117	72.4	157			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1709841**

29-Sep-17

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID	**RB**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**PBW**	Batch ID:	**G45702**	RunNo:	**45702**					
Prep Date:		Analysis Date:	**9/18/2017**	SeqNo:	**1450931**	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		19		20.00		93.9	52.3	138			

Sample ID	**2.5UG GRO LCS**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSW**	Batch ID:	**G45702**	RunNo:	**45702**					
Prep Date:		Analysis Date:	**9/18/2017**	SeqNo:	**1450932**	Units:	**mg/L**			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)		0.53	0.050	0.5000	0	107	75.8	123			
Surr: BFB		22		20.00		111	52.3	138			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1709841**

29-Sep-17

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID	**RB**	SampType:	**MBLK**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**PBW**	Batch ID:	**B45702**	RunNo:	**45702**					
Prep Date:		Analysis Date:	**9/18/2017**	SeqNo:	**1450966**	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		105	72.5	140			

Sample ID	**100NG BTEX LCS**	SampType:	**LCS**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**LCSW**	Batch ID:	**B45702**	RunNo:	**45702**					
Prep Date:		Analysis Date:	**9/18/2017**	SeqNo:	**1450967**	Units:	**µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	112	71.7	126			
Toluene	22	1.0	20.00	0	109	73.3	119			
Ethylbenzene	22	1.0	20.00	0	112	80	120			
Xylenes, Total	68	2.0	60.00	0	114	80	120			
Surr: 4-Bromofluorobenzene	23		20.00		115	72.5	140			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1709841**

29-Sep-17

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID	**MB-33995**	SampType:	**MBLK**	TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**PBW**	Batch ID:	**33995**	RunNo:	**45826**					
Prep Date:	**9/21/2017**	Analysis Date:	**9/22/2017**	SeqNo:	**1456300**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	**LCS-33995**	SampType:	**LCS**	TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**LCSW**	Batch ID:	**33995**	RunNo:	**45826**					
Prep Date:	**9/21/2017**	Analysis Date:	**9/22/2017**	SeqNo:	**1456301**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1010	20.0	1000	0	101	80	120			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1709841** RcptNo: 1

Received By: **Anne Thorne** 9/15/2017 7:30:00 AM Anne Thorne

Completed By: **Anne Thorne** 9/15/2017 10:10:06 AM Anne Thorne

Reviewed By: Dennis Garza 09/15/17

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified:		Date	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

17. Additional remarks: Per CL MW#2 Collection time is 1220 /AT 09/15/17

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.4	Good	Yes			

Chain-of-Custody Record

Client:	**Animas Environmental Services**
Mailing Address:	**604 W. Pinon Street** **Farmington, NM 87401**
Phone #:	**505-564-2281**
email or Fax#:	emcnally@animasenvironmental.co
QA/QC Package:	**X** Standard □ Level 4 (Full Validation)
Accreditation:	□ NELAP □ Other
□ EDD (Type)	

Turn-Around Time: **X** Standard □ Rush

Project Name: **BMG Evap Pond**

Project #: **AES 040605**

Project Manager: Elizabeth McNally

Sampler: a-SG/CL

On Ice: X Yes □ No

Sample Temperature: 1.4

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 8710[illegible]

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1709841	BTEX 8021	TPH (GRO/DRO/MRO) 8015	TDS SM2540C	Chlorides 300.0							Air Bubbles (Y or N)
9/14/2017	11:45	H2O	MW-1	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-001	X	X	X	X							
9/14/2017	~~12~~ 10:20 AT09115/17	H2O	MW-2	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-002	X	X	X	X							
9/14/2017	12:47	H2O	MW-3	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-003	X	X	X	X							
9/14/2017	11:20	H2O	MW-4	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-004	X	X	X	X							
9/14/2017	13:11	H2O	Interstitial Well	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-005	X		X	X							
		H2O	Trip Blank		Cold	-006	X										

Date: 9/14/17	Time: 1720	Relinquished by:	Received by:	Date 9/14/17	Time 1720
Date: 9/14/17	Time: 1903	Relinquished by:	Received by:	Date 09115/17	Time 0730

Remarks:

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

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

January 05, 2018

Elizabeth McNally

Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX (505) 324-2022

RE: BMG Landfarm OrderNo.: 1712362

Dear Elizabeth McNally:

Hall Environmental Analysis Laboratory received 16 sample(s) on 12/7/2017 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued December 14, 2017.

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.

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-1
Project: BMG Landfarm
Collection Date: 12/6/2017 10:36:00 AM
Lab ID: 1712362-001 **Matrix:** SOIL **Received Date:** 12/7/2017 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Fluoride	1.8	0.30		mg/Kg	1	12/19/2017 1:50:13 PM	35591
Chloride	140	30		mg/Kg	20	12/19/2017 2:27:28 PM	35591
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	12/19/2017 1:50:13 PM	35591
Bromide	1.4	0.30		mg/Kg	1	12/19/2017 1:50:13 PM	35591
Nitrogen, Nitrate (As N)	2.9	0.30		mg/Kg	1	12/19/2017 1:50:13 PM	35591
Phosphorus, Orthophosphate (As P)	ND	1.5		mg/Kg	1	12/19/2017 1:50:13 PM	35591
Sulfate	37	1.5		mg/Kg	1	12/19/2017 1:50:13 PM	35591
EPA METHOD 7471: MERCURY						Analyst: **ELS**	
Mercury	ND	0.033		mg/Kg	1	12/20/2017 6:25:58 AM	35570
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	12		mg/Kg	5	12/21/2017 12:28:30 PM	35564
Barium	190	0.50		mg/Kg	5	12/21/2017 9:47:22 AM	35564
Cadmium	ND	0.50		mg/Kg	5	12/21/2017 9:47:22 AM	35564
Calcium	5700	120		mg/Kg	5	12/21/2017 9:47:22 AM	35564
Chromium	18	1.5		mg/Kg	5	12/21/2017 9:47:22 AM	35564
Lead	4.2	1.2		mg/Kg	5	12/21/2017 12:28:30 PM	35564
Magnesium	3800	120		mg/Kg	5	12/21/2017 9:47:22 AM	35564
Potassium	3500	250		mg/Kg	5	12/21/2017 9:47:22 AM	35564
Selenium	ND	12		mg/Kg	5	12/21/2017 9:47:22 AM	35564
Silver	ND	1.2		mg/Kg	5	12/21/2017 12:28:30 PM	35564
Sodium	190	120		mg/Kg	5	12/21/2017 9:47:22 AM	35564
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	12/12/2017 5:08:03 PM	35429
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/12/2017 5:08:03 PM	35429
Surr: DNOP	102	70-130		%Rec	1	12/12/2017 5:08:03 PM	35429
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/11/2017 2:21:42 PM	35409
Surr: BFB	118	15-316		%Rec	1	12/11/2017 2:21:42 PM	35409
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.094		mg/Kg	1	12/11/2017 2:21:42 PM	35409
Benzene	ND	0.023		mg/Kg	1	12/11/2017 2:21:42 PM	35409
Toluene	ND	0.047		mg/Kg	1	12/11/2017 2:21:42 PM	35409
Ethylbenzene	ND	0.047		mg/Kg	1	12/11/2017 2:21:42 PM	35409
Xylenes, Total	ND	0.094		mg/Kg	1	12/11/2017 2:21:42 PM	35409
Surr: 4-Bromofluorobenzene	111	80-120		%Rec	1	12/11/2017 2:21:42 PM	35409

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-2
Project: BMG Landfarm
Collection Date: 12/6/2017 10:47:00 AM
Lab ID: 1712362-002 **Matrix:** SOIL **Received Date:** 12/7/2017 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Fluoride	ND	1.5		mg/Kg	5	12/19/2017 2:39:53 PM	35591
Chloride	70	7.5		mg/Kg	5	12/19/2017 2:39:53 PM	35591
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	12/19/2017 2:39:53 PM	35591
Bromide	ND	1.5		mg/Kg	5	12/19/2017 2:39:53 PM	35591
Nitrogen, Nitrate (As N)	14	1.5		mg/Kg	5	12/19/2017 2:39:53 PM	35591
Phosphorus, Orthophosphate (As P)	ND	7.5		mg/Kg	5	12/19/2017 2:39:53 PM	35591
Sulfate	24	7.5		mg/Kg	5	12/19/2017 2:39:53 PM	35591
EPA METHOD 7471: MERCURY						Analyst: **ELS**	
Mercury	ND	0.033		mg/Kg	1	12/20/2017 6:27:40 AM	35570
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	12		mg/Kg	5	12/21/2017 12:33:14 PM	35564
Barium	160	0.50		mg/Kg	5	12/21/2017 12:33:14 PM	35564
Cadmium	ND	0.50		mg/Kg	5	12/21/2017 12:33:14 PM	35564
Calcium	5300	120		mg/Kg	5	12/21/2017 12:33:14 PM	35564
Chromium	12	1.5		mg/Kg	5	12/21/2017 12:33:14 PM	35564
Lead	3.9	1.2		mg/Kg	5	12/21/2017 12:33:14 PM	35564
Magnesium	3000	120		mg/Kg	5	12/21/2017 12:33:14 PM	35564
Potassium	2400	250		mg/Kg	5	12/21/2017 12:33:14 PM	35564
Selenium	ND	12		mg/Kg	5	12/21/2017 12:33:14 PM	35564
Silver	ND	1.2		mg/Kg	5	12/21/2017 12:33:14 PM	35564
Sodium	250	120		mg/Kg	5	12/21/2017 12:33:14 PM	35564
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/12/2017 5:32:17 PM	35429
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/12/2017 5:32:17 PM	35429
Surr: DNOP	102	70-130		%Rec	1	12/12/2017 5:32:17 PM	35429
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/11/2017 2:45:41 PM	35409
Surr: BFB	116	15-316		%Rec	1	12/11/2017 2:45:41 PM	35409
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.094		mg/Kg	1	12/11/2017 2:45:41 PM	35409
Benzene	ND	0.023		mg/Kg	1	12/11/2017 2:45:41 PM	35409
Toluene	ND	0.047		mg/Kg	1	12/11/2017 2:45:41 PM	35409
Ethylbenzene	ND	0.047		mg/Kg	1	12/11/2017 2:45:41 PM	35409
Xylenes, Total	ND	0.094		mg/Kg	1	12/11/2017 2:45:41 PM	35409
Surr: 4-Bromofluorobenzene	109	80-120		%Rec	1	12/11/2017 2:45:41 PM	35409

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-3
Project: BMG Landfarm
Collection Date: 12/6/2017 10:59:00 AM
Lab ID: 1712362-003 **Matrix:** SOIL **Received Date:** 12/7/2017 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Fluoride	1.2	0.30		mg/Kg	1	12/19/2017 3:04:42 PM	35591
Chloride	2.3	1.5		mg/Kg	1	12/19/2017 3:04:42 PM	35591
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	12/19/2017 3:04:42 PM	35591
Bromide	ND	0.30		mg/Kg	1	12/19/2017 3:04:42 PM	35591
Nitrogen, Nitrate (As N)	5.6	0.30		mg/Kg	1	12/19/2017 3:04:42 PM	35591
Phosphorus, Orthophosphate (As P)	ND	1.5		mg/Kg	1	12/19/2017 3:04:42 PM	35591
Sulfate	16	1.5		mg/Kg	1	12/19/2017 3:04:42 PM	35591
EPA METHOD 7471: MERCURY						Analyst: **ELS**	
Mercury	ND	0.031		mg/Kg	1	12/20/2017 6:29:23 AM	35570
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	12		mg/Kg	5	12/21/2017 12:41:09 PM	35564
Barium	150	0.49		mg/Kg	5	12/21/2017 12:41:09 PM	35564
Cadmium	ND	0.49		mg/Kg	5	12/21/2017 12:41:09 PM	35564
Calcium	6100	120		mg/Kg	5	12/21/2017 12:41:09 PM	35564
Chromium	9.6	1.5		mg/Kg	5	12/21/2017 12:41:09 PM	35564
Lead	3.8	1.2		mg/Kg	5	12/21/2017 12:41:09 PM	35564
Magnesium	2600	120		mg/Kg	5	12/21/2017 12:41:09 PM	35564
Potassium	1600	250		mg/Kg	5	12/21/2017 12:41:09 PM	35564
Selenium	ND	12		mg/Kg	5	12/21/2017 12:41:09 PM	35564
Silver	ND	1.2		mg/Kg	5	12/21/2017 12:41:09 PM	35564
Sodium	ND	120		mg/Kg	5	12/21/2017 12:41:09 PM	35564
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/12/2017 5:56:36 PM	35429
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/12/2017 5:56:36 PM	35429
Surr: DNOP	103	70-130		%Rec	1	12/12/2017 5:56:36 PM	35429
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/11/2017 3:09:38 PM	35409
Surr: BFB	114	15-316		%Rec	1	12/11/2017 3:09:38 PM	35409
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.099		mg/Kg	1	12/11/2017 3:09:38 PM	35409
Benzene	ND	0.025		mg/Kg	1	12/11/2017 3:09:38 PM	35409
Toluene	ND	0.049		mg/Kg	1	12/11/2017 3:09:38 PM	35409
Ethylbenzene	ND	0.049		mg/Kg	1	12/11/2017 3:09:38 PM	35409
Xylenes, Total	ND	0.099		mg/Kg	1	12/11/2017 3:09:38 PM	35409
Surr: 4-Bromofluorobenzene	107	80-120		%Rec	1	12/11/2017 3:09:38 PM	35409

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-4
Project: BMG Landfarm
Collection Date: 12/6/2017 11:11:00 AM
Lab ID: 1712362-004 **Matrix:** SOIL **Received Date:** 12/7/2017 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Fluoride	0.42	0.30		mg/Kg	1	12/19/2017 3:54:21 PM	35591
Chloride	6.1	1.5		mg/Kg	1	12/19/2017 3:54:21 PM	35591
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	12/19/2017 3:54:21 PM	35591
Bromide	ND	0.30		mg/Kg	1	12/19/2017 3:54:21 PM	35591
Nitrogen, Nitrate (As N)	20	0.30		mg/Kg	1	12/19/2017 3:54:21 PM	35591
Phosphorus, Orthophosphate (As P)	ND	1.5		mg/Kg	1	12/19/2017 3:54:21 PM	35591
Sulfate	8.5	1.5		mg/Kg	1	12/19/2017 3:54:21 PM	35591
EPA METHOD 7471: MERCURY						Analyst: **ELS**	
Mercury	ND	0.032		mg/Kg	1	12/20/2017 6:31:06 AM	35570
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	5.8	2.5		mg/Kg	1	12/21/2017 12:42:37 PM	35564
Barium	81	0.49		mg/Kg	5	12/21/2017 12:44:12 PM	35564
Cadmium	ND	0.098		mg/Kg	1	12/21/2017 12:42:37 PM	35564
Calcium	2000	25		mg/Kg	1	12/21/2017 12:42:37 PM	35564
Chromium	5.4	0.29		mg/Kg	1	12/21/2017 12:42:37 PM	35564
Lead	2.6	0.25		mg/Kg	1	12/21/2017 12:42:37 PM	35564
Magnesium	1500	25		mg/Kg	1	12/21/2017 12:42:37 PM	35564
Potassium	1100	49		mg/Kg	1	12/21/2017 12:42:37 PM	35564
Selenium	ND	2.5		mg/Kg	1	12/21/2017 12:42:37 PM	35564
Silver	ND	0.25		mg/Kg	1	12/21/2017 12:42:37 PM	35564
Sodium	32	25		mg/Kg	1	12/21/2017 12:42:37 PM	35564
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/12/2017 6:20:57 PM	35429
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/12/2017 6:20:57 PM	35429
Surr: DNOP	102	70-130		%Rec	1	12/12/2017 6:20:57 PM	35429
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/11/2017 5:08:50 PM	35409
Surr: BFB	115	15-316		%Rec	1	12/11/2017 5:08:50 PM	35409
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.096		mg/Kg	1	12/11/2017 5:08:50 PM	35409
Benzene	ND	0.024		mg/Kg	1	12/11/2017 5:08:50 PM	35409
Toluene	ND	0.048		mg/Kg	1	12/11/2017 5:08:50 PM	35409
Ethylbenzene	ND	0.048		mg/Kg	1	12/11/2017 5:08:50 PM	35409
Xylenes, Total	ND	0.096		mg/Kg	1	12/11/2017 5:08:50 PM	35409
Surr: 4-Bromofluorobenzene	108	80-120		%Rec	1	12/11/2017 5:08:50 PM	35409

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-1
Project: BMG Landfarm
Collection Date: 12/6/2017 11:29:00 AM
Lab ID: 1712362-005 **Matrix:** SOIL **Received Date:** 12/7/2017 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Fluoride	0.94	0.30		mg/Kg	1	12/19/2017 4:19:10 PM	35591
Chloride	17	1.5		mg/Kg	1	12/19/2017 4:19:10 PM	35591
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	12/19/2017 4:19:10 PM	35591
Bromide	ND	0.30		mg/Kg	1	12/19/2017 4:19:10 PM	35591
Nitrogen, Nitrate (As N)	2.6	0.30		mg/Kg	1	12/19/2017 4:19:10 PM	35591
Phosphorus, Orthophosphate (As P)	ND	1.5		mg/Kg	1	12/19/2017 4:19:10 PM	35591
Sulfate	44	1.5		mg/Kg	1	12/19/2017 4:19:10 PM	35591
EPA METHOD 7471: MERCURY						Analyst: **ELS**	
Mercury	ND	0.032		mg/Kg	1	12/20/2017 6:32:50 AM	35570
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	12		mg/Kg	5	12/21/2017 12:47:19 PM	35564
Barium	98	0.48		mg/Kg	5	12/21/2017 12:47:19 PM	35564
Cadmium	ND	0.48		mg/Kg	5	12/21/2017 12:47:19 PM	35564
Calcium	2900	120		mg/Kg	5	12/21/2017 12:47:19 PM	35564
Chromium	6.4	1.4		mg/Kg	5	12/21/2017 12:47:19 PM	35564
Lead	3.7	1.2		mg/Kg	5	12/21/2017 12:47:19 PM	35564
Magnesium	1600	120		mg/Kg	5	12/21/2017 12:47:19 PM	35564
Potassium	1000	240		mg/Kg	5	12/21/2017 12:47:19 PM	35564
Selenium	ND	12		mg/Kg	5	12/21/2017 12:47:19 PM	35564
Silver	ND	1.2		mg/Kg	5	12/21/2017 12:47:19 PM	35564
Sodium	ND	120		mg/Kg	5	12/21/2017 12:47:19 PM	35564
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/12/2017 6:45:20 PM	35429
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/12/2017 6:45:20 PM	35429
Surr: DNOP	101	70-130		%Rec	1	12/12/2017 6:45:20 PM	35429
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/11/2017 5:32:31 PM	35409
Surr: BFB	117	15-316		%Rec	1	12/11/2017 5:32:31 PM	35409
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.096		mg/Kg	1	12/11/2017 5:32:31 PM	35409
Benzene	ND	0.024		mg/Kg	1	12/11/2017 5:32:31 PM	35409
Toluene	ND	0.048		mg/Kg	1	12/11/2017 5:32:31 PM	35409
Ethylbenzene	ND	0.048		mg/Kg	1	12/11/2017 5:32:31 PM	35409
Xylenes, Total	ND	0.096		mg/Kg	1	12/11/2017 5:32:31 PM	35409
Surr: 4-Bromofluorobenzene	109	80-120		%Rec	1	12/11/2017 5:32:31 PM	35409

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-2
Project: BMG Landfarm
Collection Date: 12/6/2017 11:41:00 AM
Lab ID: 1712362-006 **Matrix:** SOIL **Received Date:** 12/7/2017 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Fluoride	0.76	0.30		mg/Kg	1	12/19/2017 4:43:59 PM	35591
Chloride	32	1.5		mg/Kg	1	12/19/2017 4:43:59 PM	35591
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	12/19/2017 4:43:59 PM	35591
Bromide	ND	0.30		mg/Kg	1	12/19/2017 4:43:59 PM	35591
Nitrogen, Nitrate (As N)	1.7	0.30		mg/Kg	1	12/19/2017 4:43:59 PM	35591
Phosphorus, Orthophosphate (As P)	ND	1.5		mg/Kg	1	12/19/2017 4:43:59 PM	35591
Sulfate	120	1.5		mg/Kg	1	12/19/2017 4:43:59 PM	35591
EPA METHOD 7471: MERCURY						Analyst: **ELS**	
Mercury	ND	0.032		mg/Kg	1	12/20/2017 6:34:35 AM	35570
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	2.7	2.4		mg/Kg	1	12/21/2017 12:48:47 PM	35564
Barium	100	0.48		mg/Kg	5	12/21/2017 12:50:24 PM	35564
Cadmium	ND	0.097		mg/Kg	1	12/21/2017 12:48:47 PM	35564
Calcium	1700	24		mg/Kg	1	12/21/2017 12:48:47 PM	35564
Chromium	4.7	0.29		mg/Kg	1	12/21/2017 12:48:47 PM	35564
Lead	2.6	0.24		mg/Kg	1	12/21/2017 12:48:47 PM	35564
Magnesium	1200	24		mg/Kg	1	12/21/2017 12:48:47 PM	35564
Potassium	620	48		mg/Kg	1	12/21/2017 12:48:47 PM	35564
Selenium	ND	2.4		mg/Kg	1	12/21/2017 12:48:47 PM	35564
Silver	ND	0.24		mg/Kg	1	12/21/2017 12:48:47 PM	35564
Sodium	68	24		mg/Kg	1	12/21/2017 12:48:47 PM	35564
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/12/2017 7:09:30 PM	35429
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/12/2017 7:09:30 PM	35429
Surr: DNOP	103	70-130		%Rec	1	12/12/2017 7:09:30 PM	35429
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/11/2017 5:56:21 PM	35409
Surr: BFB	116	15-316		%Rec	1	12/11/2017 5:56:21 PM	35409
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.095		mg/Kg	1	12/11/2017 5:56:21 PM	35409
Benzene	ND	0.024		mg/Kg	1	12/11/2017 5:56:21 PM	35409
Toluene	ND	0.047		mg/Kg	1	12/11/2017 5:56:21 PM	35409
Ethylbenzene	ND	0.047		mg/Kg	1	12/11/2017 5:56:21 PM	35409
Xylenes, Total	ND	0.095		mg/Kg	1	12/11/2017 5:56:21 PM	35409
Surr: 4-Bromofluorobenzene	108	80-120		%Rec	1	12/11/2017 5:56:21 PM	35409

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-3
Project: BMG Landfarm
Collection Date: 12/6/2017 12:00:00 PM
Lab ID: 1712362-007
Matrix: SOIL
Received Date: 12/7/2017 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Fluoride	ND	0.30		mg/Kg	1	12/19/2017 5:08:48 PM	35591
Chloride	14	1.5		mg/Kg	1	12/19/2017 5:08:48 PM	35591
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	12/19/2017 5:08:48 PM	35591
Bromide	ND	0.30		mg/Kg	1	12/19/2017 5:08:48 PM	35591
Nitrogen, Nitrate (As N)	19	0.30		mg/Kg	1	12/19/2017 5:08:48 PM	35591
Phosphorus, Orthophosphate (As P)	ND	1.5		mg/Kg	1	12/19/2017 5:08:48 PM	35591
Sulfate	34	1.5		mg/Kg	1	12/19/2017 5:08:48 PM	35591
EPA METHOD 7471: MERCURY						Analyst: **ELS**	
Mercury	ND	0.033		mg/Kg	1	12/20/2017 6:39:54 AM	35570
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	12		mg/Kg	5	12/21/2017 12:53:30 PM	35564
Barium	130	0.50		mg/Kg	5	12/21/2017 12:53:30 PM	35564
Cadmium	ND	0.50		mg/Kg	5	12/21/2017 12:53:30 PM	35564
Calcium	2900	120		mg/Kg	5	12/21/2017 12:53:30 PM	35564
Chromium	9.4	1.5		mg/Kg	5	12/21/2017 12:53:30 PM	35564
Lead	3.1	1.2		mg/Kg	5	12/21/2017 12:53:30 PM	35564
Magnesium	2200	120		mg/Kg	5	12/21/2017 12:53:30 PM	35564
Potassium	1900	250		mg/Kg	5	12/21/2017 12:53:30 PM	35564
Selenium	ND	12		mg/Kg	5	12/21/2017 12:53:30 PM	35564
Silver	ND	1.2		mg/Kg	5	12/21/2017 12:53:30 PM	35564
Sodium	ND	120		mg/Kg	5	12/21/2017 12:53:30 PM	35564
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	17	9.5		mg/Kg	1	12/12/2017 7:33:52 PM	35429
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/12/2017 7:33:52 PM	35429
Surr: DNOP	104	70-130		%Rec	1	12/12/2017 7:33:52 PM	35429
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/11/2017 6:20:06 PM	35409
Surr: BFB	116	15-316		%Rec	1	12/11/2017 6:20:06 PM	35409
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.096		mg/Kg	1	12/11/2017 6:20:06 PM	35409
Benzene	ND	0.024		mg/Kg	1	12/11/2017 6:20:06 PM	35409
Toluene	ND	0.048		mg/Kg	1	12/11/2017 6:20:06 PM	35409
Ethylbenzene	ND	0.048		mg/Kg	1	12/11/2017 6:20:06 PM	35409
Xylenes, Total	ND	0.096		mg/Kg	1	12/11/2017 6:20:06 PM	35409
Surr: 4-Bromofluorobenzene	107	80-120		%Rec	1	12/11/2017 6:20:06 PM	35409

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-4
Project: BMG Landfarm
Collection Date: 12/6/2017 12:08:00 PM
Lab ID: 1712362-008
Matrix: SOIL
Received Date: 12/7/2017 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Fluoride	0.72	0.30		mg/Kg	1	12/19/2017 5:33:38 PM	35591
Chloride	41	1.5		mg/Kg	1	12/19/2017 5:33:38 PM	35591
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	12/19/2017 5:33:38 PM	35591
Bromide	ND	0.30		mg/Kg	1	12/19/2017 5:33:38 PM	35591
Nitrogen, Nitrate (As N)	ND	0.30		mg/Kg	1	12/19/2017 5:33:38 PM	35591
Phosphorus, Orthophosphate (As P)	ND	1.5		mg/Kg	1	12/19/2017 5:33:38 PM	35591
Sulfate	76	1.5		mg/Kg	1	12/19/2017 5:33:38 PM	35591
EPA METHOD 7471: MERCURY						Analyst: **ELS**	
Mercury	ND	0.031		mg/Kg	1	12/20/2017 6:41:39 AM	35570
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	2.5		mg/Kg	1	12/21/2017 1:04:00 PM	35564
Barium	100	0.49		mg/Kg	5	12/21/2017 1:05:35 PM	35564
Cadmium	ND	0.098		mg/Kg	1	12/21/2017 1:04:00 PM	35564
Calcium	2700	120		mg/Kg	5	12/21/2017 1:05:35 PM	35564
Chromium	4.4	0.29		mg/Kg	1	12/21/2017 1:04:00 PM	35564
Lead	2.7	0.25		mg/Kg	1	12/21/2017 1:04:00 PM	35564
Magnesium	1300	120		mg/Kg	5	12/21/2017 1:05:35 PM	35564
Potassium	700	250		mg/Kg	5	12/21/2017 1:05:35 PM	35564
Selenium	ND	2.5		mg/Kg	1	12/21/2017 1:04:00 PM	35564
Silver	ND	0.25		mg/Kg	1	12/21/2017 1:04:00 PM	35564
Sodium	ND	120		mg/Kg	5	12/21/2017 1:05:35 PM	35564
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/12/2017 7:58:02 PM	35429
Motor Oil Range Organics (MRO)	ND	51		mg/Kg	1	12/12/2017 7:58:02 PM	35429
Surr: DNOP	107	70-130		%Rec	1	12/12/2017 7:58:02 PM	35429
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/11/2017 6:43:56 PM	35409
Surr: BFB	116	15-316		%Rec	1	12/11/2017 6:43:56 PM	35409
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.091		mg/Kg	1	12/11/2017 6:43:56 PM	35409
Benzene	ND	0.023		mg/Kg	1	12/11/2017 6:43:56 PM	35409
Toluene	ND	0.046		mg/Kg	1	12/11/2017 6:43:56 PM	35409
Ethylbenzene	ND	0.046		mg/Kg	1	12/11/2017 6:43:56 PM	35409
Xylenes, Total	ND	0.091		mg/Kg	1	12/11/2017 6:43:56 PM	35409
Surr: 4-Bromofluorobenzene	107	80-120		%Rec	1	12/11/2017 6:43:56 PM	35409

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-1
Project: BMG Landfarm
Collection Date: 12/6/2017 12:22:00 PM
Lab ID: 1712362-009
Matrix: SOIL
Received Date: 12/7/2017 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Fluoride	0.51	0.30		mg/Kg	1	12/19/2017 6:23:18 PM	35591
Chloride	3.9	1.5		mg/Kg	1	12/19/2017 6:23:18 PM	35591
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	12/19/2017 6:23:18 PM	35591
Bromide	ND	0.30		mg/Kg	1	12/19/2017 6:23:18 PM	35591
Nitrogen, Nitrate (As N)	1.5	0.30		mg/Kg	1	12/19/2017 6:23:18 PM	35591
Phosphorus, Orthophosphate (As P)	ND	1.5		mg/Kg	1	12/19/2017 6:23:18 PM	35591
Sulfate	10	1.5		mg/Kg	1	12/19/2017 6:23:18 PM	35591
EPA METHOD 7471: MERCURY						Analyst: **ELS**	
Mercury	ND	0.033		mg/Kg	1	12/20/2017 6:43:24 AM	35570
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	3.2	2.4		mg/Kg	1	12/21/2017 1:07:03 PM	35564
Barium	90	0.48		mg/Kg	5	12/21/2017 1:08:40 PM	35564
Cadmium	ND	0.096		mg/Kg	1	12/21/2017 1:07:03 PM	35564
Calcium	1100	24		mg/Kg	1	12/21/2017 1:07:03 PM	35564
Chromium	3.3	0.29		mg/Kg	1	12/21/2017 1:07:03 PM	35564
Lead	2.0	0.24		mg/Kg	1	12/21/2017 1:07:03 PM	35564
Magnesium	820	24		mg/Kg	1	12/21/2017 1:07:03 PM	35564
Potassium	570	48		mg/Kg	1	12/21/2017 1:07:03 PM	35564
Selenium	ND	2.4		mg/Kg	1	12/21/2017 1:07:03 PM	35564
Silver	ND	0.24		mg/Kg	1	12/21/2017 1:07:03 PM	35564
Sodium	41	24		mg/Kg	1	12/21/2017 1:07:03 PM	35564
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/12/2017 8:22:19 PM	35429
Motor Oil Range Organics (MRO)	ND	51		mg/Kg	1	12/12/2017 8:22:19 PM	35429
Surr: DNOP	104	70-130		%Rec	1	12/12/2017 8:22:19 PM	35429
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/11/2017 7:07:42 PM	35409
Surr: BFB	115	15-316		%Rec	1	12/11/2017 7:07:42 PM	35409
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.099		mg/Kg	1	12/11/2017 7:07:42 PM	35409
Benzene	ND	0.025		mg/Kg	1	12/11/2017 7:07:42 PM	35409
Toluene	ND	0.049		mg/Kg	1	12/11/2017 7:07:42 PM	35409
Ethylbenzene	ND	0.049		mg/Kg	1	12/11/2017 7:07:42 PM	35409
Xylenes, Total	ND	0.099		mg/Kg	1	12/11/2017 7:07:42 PM	35409
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	12/11/2017 7:07:42 PM	35409

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-2
Project: BMG Landfarm
Collection Date: 12/6/2017 12:33:00 PM
Lab ID: 1712362-010
Matrix: SOIL
Received Date: 12/7/2017 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Fluoride	ND	1.5		mg/Kg	5	12/19/2017 6:48:06 PM	35591
Chloride	ND	7.5		mg/Kg	5	12/19/2017 6:48:06 PM	35591
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	12/19/2017 6:48:06 PM	35591
Bromide	ND	1.5		mg/Kg	5	12/19/2017 6:48:06 PM	35591
Nitrogen, Nitrate (As N)	ND	1.5		mg/Kg	5	12/19/2017 6:48:06 PM	35591
Phosphorus, Orthophosphate (As P)	ND	7.5		mg/Kg	5	12/19/2017 6:48:06 PM	35591
Sulfate	14	7.5		mg/Kg	5	12/19/2017 6:48:06 PM	35591
EPA METHOD 7471: MERCURY						Analyst: **ELS**	
Mercury	ND	0.031		mg/Kg	1	12/20/2017 6:45:10 AM	35570
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	12		mg/Kg	5	12/21/2017 1:11:38 PM	35564
Barium	90	0.48		mg/Kg	5	12/21/2017 1:11:38 PM	35564
Cadmium	ND	0.48		mg/Kg	5	12/21/2017 1:11:38 PM	35564
Calcium	2400	120		mg/Kg	5	12/21/2017 1:11:38 PM	35564
Chromium	8.7	1.5		mg/Kg	5	12/21/2017 1:11:38 PM	35564
Lead	3.6	1.2		mg/Kg	5	12/21/2017 1:11:38 PM	35564
Magnesium	1900	120		mg/Kg	5	12/21/2017 1:11:38 PM	35564
Potassium	1700	240		mg/Kg	5	12/21/2017 1:11:38 PM	35564
Selenium	ND	12		mg/Kg	5	12/21/2017 1:11:38 PM	35564
Silver	ND	1.2		mg/Kg	5	12/21/2017 1:11:38 PM	35564
Sodium	ND	120		mg/Kg	5	12/21/2017 1:11:38 PM	35564
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/12/2017 8:46:38 PM	35429
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/12/2017 8:46:38 PM	35429
Surr: DNOP	103	70-130		%Rec	1	12/12/2017 8:46:38 PM	35429
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/11/2017 7:31:27 PM	35409
Surr: BFB	116	15-316		%Rec	1	12/11/2017 7:31:27 PM	35409
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.098		mg/Kg	1	12/11/2017 7:31:27 PM	35409
Benzene	ND	0.024		mg/Kg	1	12/11/2017 7:31:27 PM	35409
Toluene	ND	0.049		mg/Kg	1	12/11/2017 7:31:27 PM	35409
Ethylbenzene	ND	0.049		mg/Kg	1	12/11/2017 7:31:27 PM	35409
Xylenes, Total	ND	0.098		mg/Kg	1	12/11/2017 7:31:27 PM	35409
Surr: 4-Bromofluorobenzene	107	80-120		%Rec	1	12/11/2017 7:31:27 PM	35409

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-3
Project: BMG Landfarm
Collection Date: 12/6/2017 12:45:00 PM
Lab ID: 1712362-011
Matrix: SOIL
Received Date: 12/7/2017 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Fluoride	2.0	1.5		mg/Kg	5	12/19/2017 7:12:56 PM	35591
Chloride	7.6	7.5		mg/Kg	5	12/19/2017 7:12:56 PM	35591
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	12/19/2017 7:12:56 PM	35591
Bromide	ND	1.5		mg/Kg	5	12/19/2017 7:12:56 PM	35591
Nitrogen, Nitrate (As N)	12	1.5		mg/Kg	5	12/19/2017 7:12:56 PM	35591
Phosphorus, Orthophosphate (As P)	ND	7.5		mg/Kg	5	12/19/2017 7:12:56 PM	35591
Sulfate	29	7.5		mg/Kg	5	12/19/2017 7:12:56 PM	35591
EPA METHOD 7471: MERCURY						Analyst: **ELS**	
Mercury	ND	0.032		mg/Kg	1	12/20/2017 6:46:57 AM	35570
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	12		mg/Kg	5	12/21/2017 1:14:46 PM	35564
Barium	150	0.49		mg/Kg	5	12/21/2017 1:14:46 PM	35564
Cadmium	ND	0.49		mg/Kg	5	12/21/2017 1:14:46 PM	35564
Calcium	4300	120		mg/Kg	5	12/21/2017 1:14:46 PM	35564
Chromium	16	1.5		mg/Kg	5	12/21/2017 1:14:46 PM	35564
Lead	4.8	1.2		mg/Kg	5	12/21/2017 1:14:46 PM	35564
Magnesium	3000	120		mg/Kg	5	12/21/2017 1:14:46 PM	35564
Potassium	2300	240		mg/Kg	5	12/21/2017 1:14:46 PM	35564
Selenium	ND	12		mg/Kg	5	12/21/2017 1:14:46 PM	35564
Silver	ND	1.2		mg/Kg	5	12/21/2017 1:14:46 PM	35564
Sodium	130	120		mg/Kg	5	12/21/2017 1:14:46 PM	35564
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	12/12/2017 9:11:06 PM	35429
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/12/2017 9:11:06 PM	35429
Surr: DNOP	105	70-130		%Rec	1	12/12/2017 9:11:06 PM	35429
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/11/2017 7:55:09 PM	35409
Surr: BFB	117	15-316		%Rec	1	12/11/2017 7:55:09 PM	35409
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.098		mg/Kg	1	12/11/2017 7:55:09 PM	35409
Benzene	ND	0.024		mg/Kg	1	12/11/2017 7:55:09 PM	35409
Toluene	ND	0.049		mg/Kg	1	12/11/2017 7:55:09 PM	35409
Ethylbenzene	ND	0.049		mg/Kg	1	12/11/2017 7:55:09 PM	35409
Xylenes, Total	ND	0.098		mg/Kg	1	12/11/2017 7:55:09 PM	35409
Surr: 4-Bromofluorobenzene	109	80-120		%Rec	1	12/11/2017 7:55:09 PM	35409

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-4
Project: BMG Landfarm
Collection Date: 12/6/2017 12:57:00 PM
Lab ID: 1712362-012
Matrix: SOIL
Received Date: 12/7/2017 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Fluoride	ND	1.5		mg/Kg	5	12/19/2017 4:24:42 PM	35601
Chloride	ND	7.5		mg/Kg	5	12/19/2017 4:24:42 PM	35601
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	12/19/2017 4:24:42 PM	35601
Bromide	ND	1.5		mg/Kg	5	12/19/2017 4:24:42 PM	35601
Nitrogen, Nitrate (As N)	1.7	1.5		mg/Kg	5	12/19/2017 4:24:42 PM	35601
Phosphorus, Orthophosphate (As P)	ND	7.5		mg/Kg	5	12/19/2017 4:24:42 PM	35601
Sulfate	190	7.5		mg/Kg	5	12/19/2017 4:24:42 PM	35601
EPA METHOD 7471: MERCURY						Analyst: **ELS**	
Mercury	ND	0.032		mg/Kg	1	12/20/2017 6:48:45 AM	35570
EPA METHOD 6010B: SOIL METALS						Analyst: **MED**	
Arsenic	ND	12		mg/Kg	5	12/26/2017 10:07:12 AM	35564
Barium	120	0.50		mg/Kg	5	12/21/2017 1:22:45 PM	35564
Cadmium	ND	0.50		mg/Kg	5	12/21/2017 1:22:45 PM	35564
Calcium	2900	120		mg/Kg	5	12/21/2017 1:22:45 PM	35564
Chromium	9.0	1.5		mg/Kg	5	12/21/2017 1:22:45 PM	35564
Lead	4.6	1.2		mg/Kg	5	12/21/2017 1:22:45 PM	35564
Magnesium	2000	120		mg/Kg	5	12/21/2017 1:22:45 PM	35564
Potassium	1500	250		mg/Kg	5	12/21/2017 1:22:45 PM	35564
Selenium	ND	12		mg/Kg	5	12/21/2017 1:22:45 PM	35564
Silver	ND	1.2		mg/Kg	5	12/26/2017 10:07:12 AM	35564
Sodium	ND	120		mg/Kg	5	12/21/2017 1:22:45 PM	35564
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/12/2017 9:35:18 PM	35429
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/12/2017 9:35:18 PM	35429
Surr: DNOP	107	70-130		%Rec	1	12/12/2017 9:35:18 PM	35429
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/11/2017 8:18:52 PM	35409
Surr: BFB	115	15-316		%Rec	1	12/11/2017 8:18:52 PM	35409
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.095		mg/Kg	1	12/11/2017 8:18:52 PM	35409
Benzene	ND	0.024		mg/Kg	1	12/11/2017 8:18:52 PM	35409
Toluene	ND	0.047		mg/Kg	1	12/11/2017 8:18:52 PM	35409
Ethylbenzene	ND	0.047		mg/Kg	1	12/11/2017 8:18:52 PM	35409
Xylenes, Total	ND	0.095		mg/Kg	1	12/11/2017 8:18:52 PM	35409
Surr: 4-Bromofluorobenzene	107	80-120		%Rec	1	12/11/2017 8:18:52 PM	35409

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-1
Project: BMG Landfarm
Collection Date: 12/6/2017 1:12:00 PM
Lab ID: 1712362-013
Matrix: SOIL
Received Date: 12/7/2017 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Fluoride	ND	1.5		mg/Kg	5	12/19/2017 4:49:31 PM	35601
Chloride	ND	7.5		mg/Kg	5	12/19/2017 4:49:31 PM	35601
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	12/19/2017 4:49:31 PM	35601
Bromide	ND	1.5		mg/Kg	5	12/19/2017 4:49:31 PM	35601
Nitrogen, Nitrate (As N)	11	1.5		mg/Kg	5	12/19/2017 4:49:31 PM	35601
Phosphorus, Orthophosphate (As P)	ND	7.5		mg/Kg	5	12/19/2017 4:49:31 PM	35601
Sulfate	ND	7.5		mg/Kg	5	12/19/2017 4:49:31 PM	35601
EPA METHOD 7471: MERCURY						Analyst: **ELS**	
Mercury	ND	0.033		mg/Kg	1	12/20/2017 6:50:24 AM	35570
EPA METHOD 6010B: SOIL METALS						Analyst: **MED**	
Arsenic	ND	12		mg/Kg	5	12/26/2017 10:08:55 AM	35564
Barium	100	0.49		mg/Kg	5	12/21/2017 1:25:55 PM	35564
Cadmium	ND	0.49		mg/Kg	5	12/21/2017 1:25:55 PM	35564
Calcium	2200	120		mg/Kg	5	12/21/2017 1:25:55 PM	35564
Chromium	13	1.5		mg/Kg	5	12/21/2017 1:25:55 PM	35564
Lead	4.8	1.2		mg/Kg	5	12/21/2017 1:25:55 PM	35564
Magnesium	1900	120		mg/Kg	5	12/21/2017 1:25:55 PM	35564
Potassium	1800	250		mg/Kg	5	12/21/2017 1:25:55 PM	35564
Selenium	ND	12		mg/Kg	5	12/21/2017 1:25:55 PM	35564
Silver	ND	1.2		mg/Kg	5	12/26/2017 10:08:55 AM	35564
Sodium	ND	120		mg/Kg	5	12/21/2017 1:25:55 PM	35564
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	12/12/2017 9:59:42 PM	35429
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/12/2017 9:59:42 PM	35429
Surr: DNOP	101	70-130		%Rec	1	12/12/2017 9:59:42 PM	35429
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/11/2017 8:42:34 PM	35409
Surr: BFB	113	15-316		%Rec	1	12/11/2017 8:42:34 PM	35409
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.095		mg/Kg	1	12/11/2017 8:42:34 PM	35409
Benzene	ND	0.024		mg/Kg	1	12/11/2017 8:42:34 PM	35409
Toluene	ND	0.047		mg/Kg	1	12/11/2017 8:42:34 PM	35409
Ethylbenzene	ND	0.047		mg/Kg	1	12/11/2017 8:42:34 PM	35409
Xylenes, Total	ND	0.095		mg/Kg	1	12/11/2017 8:42:34 PM	35409
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	12/11/2017 8:42:34 PM	35409

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-2
Project: BMG Landfarm
Collection Date: 12/6/2017 1:24:00 PM
Lab ID: 1712362-014 **Matrix:** SOIL **Received Date:** 12/7/2017 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Fluoride	ND	1.5		mg/Kg	5	12/19/2017 5:14:19 PM	35601
Chloride	ND	7.5		mg/Kg	5	12/19/2017 5:14:19 PM	35601
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	12/19/2017 5:14:19 PM	35601
Bromide	ND	1.5		mg/Kg	5	12/19/2017 5:14:19 PM	35601
Nitrogen, Nitrate (As N)	7.8	1.5		mg/Kg	5	12/19/2017 5:14:19 PM	35601
Phosphorus, Orthophosphate (As P)	ND	7.5		mg/Kg	5	12/19/2017 5:14:19 PM	35601
Sulfate	ND	7.5		mg/Kg	5	12/19/2017 5:14:19 PM	35601
EPA METHOD 7471: MERCURY						Analyst: **ELS**	
Mercury	ND	0.031		mg/Kg	1	12/20/2017 6:52:04 AM	35570
EPA METHOD 6010B: SOIL METALS						Analyst: **MED**	
Arsenic	ND	12		mg/Kg	5	12/26/2017 10:10:38 AM	35564
Barium	110	0.49		mg/Kg	5	12/21/2017 1:29:01 PM	35564
Cadmium	ND	0.49		mg/Kg	5	12/21/2017 1:29:01 PM	35564
Calcium	2400	120		mg/Kg	5	12/21/2017 1:29:01 PM	35564
Chromium	15	1.5		mg/Kg	5	12/21/2017 1:29:01 PM	35564
Lead	6.4	1.2		mg/Kg	5	12/21/2017 1:29:01 PM	35564
Magnesium	2300	120		mg/Kg	5	12/21/2017 1:29:01 PM	35564
Potassium	2200	240		mg/Kg	5	12/21/2017 1:29:01 PM	35564
Selenium	ND	12		mg/Kg	5	12/21/2017 1:29:01 PM	35564
Silver	ND	1.2		mg/Kg	5	12/26/2017 10:10:38 AM	35564
Sodium	ND	120		mg/Kg	5	12/21/2017 1:29:01 PM	35564
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/12/2017 10:24:03 PM	35429
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/12/2017 10:24:03 PM	35429
Surr: DNOP	99.0	70-130		%Rec	1	12/12/2017 10:24:03 PM	35429
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/12/2017 2:04:02 PM	35436
Surr: BFB	119	15-316		%Rec	1	12/12/2017 2:04:02 PM	35436
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.092		mg/Kg	1	12/12/2017 2:04:02 PM	35436
Benzene	ND	0.023		mg/Kg	1	12/12/2017 2:04:02 PM	35436
Toluene	ND	0.046		mg/Kg	1	12/12/2017 2:04:02 PM	35436
Ethylbenzene	ND	0.046		mg/Kg	1	12/12/2017 2:04:02 PM	35436
Xylenes, Total	ND	0.092		mg/Kg	1	12/12/2017 2:04:02 PM	35436
Surr: 4-Bromofluorobenzene	111	80-120		%Rec	1	12/12/2017 2:04:02 PM	35436

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-3
Project: BMG Landfarm
Collection Date: 12/6/2017 1:36:00 PM
Lab ID: 1712362-015 **Matrix:** SOIL **Received Date:** 12/7/2017 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Fluoride	ND	1.5		mg/Kg	5	12/19/2017 5:39:08 PM	35601
Chloride	ND	7.5		mg/Kg	5	12/19/2017 5:39:08 PM	35601
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	12/19/2017 5:39:08 PM	35601
Bromide	ND	1.5		mg/Kg	5	12/19/2017 5:39:08 PM	35601
Nitrogen, Nitrate (As N)	15	1.5		mg/Kg	5	12/19/2017 5:39:08 PM	35601
Phosphorus, Orthophosphate (As P)	ND	7.5		mg/Kg	5	12/19/2017 5:39:08 PM	35601
Sulfate	ND	7.5		mg/Kg	5	12/19/2017 5:39:08 PM	35601
EPA METHOD 7471: MERCURY						Analyst: **ELS**	
Mercury	ND	0.031		mg/Kg	1	12/20/2017 6:53:45 AM	35570
EPA METHOD 6010B: SOIL METALS						Analyst: **MED**	
Arsenic	ND	12		mg/Kg	5	12/28/2017 10:25:30 AM	35564
Barium	110	0.49		mg/Kg	5	12/21/2017 1:32:09 PM	35564
Cadmium	ND	0.49		mg/Kg	5	12/21/2017 1:32:09 PM	35564
Calcium	2500	120		mg/Kg	5	12/21/2017 1:32:09 PM	35564
Chromium	17	1.5		mg/Kg	5	12/21/2017 1:32:09 PM	35564
Lead	5.4	1.2		mg/Kg	5	12/21/2017 1:32:09 PM	35564
Magnesium	2300	120		mg/Kg	5	12/21/2017 1:32:09 PM	35564
Potassium	2200	240		mg/Kg	5	12/21/2017 1:32:09 PM	35564
Selenium	ND	12		mg/Kg	5	12/21/2017 1:32:09 PM	35564
Silver	ND	1.2		mg/Kg	5	12/26/2017 10:12:21 AM	35564
Sodium	ND	120		mg/Kg	5	12/21/2017 1:32:09 PM	35564
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/12/2017 10:48:19 PM	35429
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/12/2017 10:48:19 PM	35429
Surr: DNOP	98.6	70-130		%Rec	1	12/12/2017 10:48:19 PM	35429
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/12/2017 7:36:16 PM	35436
Surr: BFB	121	15-316		%Rec	1	12/12/2017 7:36:16 PM	35436
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.093		mg/Kg	1	12/12/2017 7:36:16 PM	35436
Benzene	ND	0.023		mg/Kg	1	12/12/2017 7:36:16 PM	35436
Toluene	ND	0.046		mg/Kg	1	12/12/2017 7:36:16 PM	35436
Ethylbenzene	ND	0.046		mg/Kg	1	12/12/2017 7:36:16 PM	35436
Xylenes, Total	ND	0.093		mg/Kg	1	12/12/2017 7:36:16 PM	35436
Surr: 4-Bromofluorobenzene	112	80-120		%Rec	1	12/12/2017 7:36:16 PM	35436

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-4
Project: BMG Landfarm
Collection Date: 12/6/2017 1:47:00 PM
Lab ID: 1712362-016 **Matrix:** SOIL **Received Date:** 12/7/2017 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 7471: MERCURY						Analyst: **ELS**	
Mercury	ND	0.031		mg/Kg	1	12/20/2017 6:55:27 AM	35570
EPA METHOD 6010B: SOIL METALS						Analyst: **MED**	
Arsenic	ND	12		mg/Kg	5	12/26/2017 10:14:06 AM	35564
Barium	110	0.50		mg/Kg	5	12/21/2017 1:35:12 PM	35564
Cadmium	ND	0.50		mg/Kg	5	12/21/2017 1:35:12 PM	35564
Calcium	9900	120		mg/Kg	5	12/21/2017 1:35:12 PM	35564
Chromium	15	1.5		mg/Kg	5	12/21/2017 1:35:12 PM	35564
Lead	7.1	1.2		mg/Kg	5	12/21/2017 1:35:12 PM	35564
Magnesium	2500	120		mg/Kg	5	12/21/2017 1:35:12 PM	35564
Potassium	1900	250		mg/Kg	5	12/21/2017 1:35:12 PM	35564
Selenium	ND	12		mg/Kg	5	12/21/2017 1:35:12 PM	35564
Silver	ND	1.2		mg/Kg	5	12/26/2017 10:14:06 AM	35564
Sodium	ND	120		mg/Kg	5	12/21/2017 1:35:12 PM	35564
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	12/12/2017 11:12:36 PM	35429
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/12/2017 11:12:36 PM	35429
Surr: DNOP	101	70-130		%Rec	1	12/12/2017 11:12:36 PM	35429
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/12/2017 7:59:57 PM	35436
Surr: BFB	118	15-316		%Rec	1	12/12/2017 7:59:57 PM	35436
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.098		mg/Kg	1	12/12/2017 7:59:57 PM	35436
Benzene	ND	0.024		mg/Kg	1	12/12/2017 7:59:57 PM	35436
Toluene	ND	0.049		mg/Kg	1	12/12/2017 7:59:57 PM	35436
Ethylbenzene	ND	0.049		mg/Kg	1	12/12/2017 7:59:57 PM	35436
Xylenes, Total	ND	0.098		mg/Kg	1	12/12/2017 7:59:57 PM	35436
Surr: 4-Bromofluorobenzene	111	80-120		%Rec	1	12/12/2017 7:59:57 PM	35436

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1712362**

05-Jan-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **MB-35591**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **35591**	RunNo: **47880**
Prep Date: **12/19/2017**	Analysis Date: **12/19/2017**	SeqNo: **1534177** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.30								
Chloride	ND	1.5								
Nitrogen, Nitrite (As N)	ND	0.30								
Bromide	ND	0.30								
Nitrogen, Nitrate (As N)	ND	0.30								
Phosphorus, Orthophosphate (As P	ND	1.5								
Sulfate	ND	1.5								

Sample ID **LCS-35591**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **35591**	RunNo: **47880**
Prep Date: **12/19/2017**	Analysis Date: **12/19/2017**	SeqNo: **1534178** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.6	0.30	1.500	0	105	90	110			
Chloride	15	1.5	15.00	0	97.4	90	110			
Nitrogen, Nitrite (As N)	3.0	0.30	3.000	0	99.5	90	110			
Bromide	7.5	0.30	7.500	0	100	90	110			
Nitrogen, Nitrate (As N)	7.8	0.30	7.500	0	104	90	110			
Phosphorus, Orthophosphate (As P	15	1.5	15.00	0	100	90	110			
Sulfate	30	1.5	30.00	0	99.5	90	110			

Sample ID **1712362-001AMS**	SampType: **ms**	TestCode: **EPA Method 300.0: Anions**
Client ID: **Cell #1 VZ S-1**	Batch ID: **35591**	RunNo: **47880**
Prep Date: **12/19/2017**	Analysis Date: **12/19/2017**	SeqNo: **1534191** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	2.0	0.30	1.500	1.799	10.3	15	119			S
Nitrogen, Nitrite (As N)	2.7	0.30	3.000	0	91.0	84.3	103			
Bromide	8.7	0.30	7.500	1.420	96.8	89.8	103			
Nitrogen, Nitrate (As N)	11	0.30	7.500	2.881	105	61.8	142			
Phosphorus, Orthophosphate (As P	ND	1.5	15.00	0	2.93	15	135			S
Sulfate	67	1.5	30.00	36.87	100	71.9	115			

Sample ID **1712362-001AMSD**	SampType: **msd**	TestCode: **EPA Method 300.0: Anions**
Client ID: **Cell #1 VZ S-1**	Batch ID: **35591**	RunNo: **47880**
Prep Date: **12/19/2017**	Analysis Date: **12/19/2017**	SeqNo: **1534192** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.9	0.30	1.500	1.799	7.82	15	119	1.94	20	S
Nitrogen, Nitrite (As N)	2.8	0.30	3.000	0	91.8	84.3	103	0.834	20	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1712362**

05-Jan-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **1712362-001AMSD**	SampType: **msd**	TestCode: **EPA Method 300.0: Anions**
Client ID: **Cell #1 VZ S-1**	Batch ID: **35591**	RunNo: **47880**
Prep Date: **12/19/2017**	Analysis Date: **12/19/2017**	SeqNo: **1534192** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bromide	8.8	0.30	7.500	1.420	98.7	89.8	103	1.60	20	
Nitrogen, Nitrate (As N)	11	0.30	7.500	2.881	107	61.8	142	1.33	20	
Phosphorus, Orthophosphate (As P	ND	1.5	15.00	0	2.87	15	135	0	20	S
Sulfate	68	1.5	30.00	36.87	104	71.9	115	1.66	20	

Sample ID **1712362-011AMS**	SampType: **ms**	TestCode: **EPA Method 300.0: Anions**
Client ID: **Cell #3 VZ S-3**	Batch ID: **35591**	RunNo: **47880**
Prep Date: **12/19/2017**	Analysis Date: **12/19/2017**	SeqNo: **1534217** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	2.2	1.5	1.500	2.027	13.2	15	119			S
Chloride	21	7.5	15.00	7.586	88.3	60.8	141			
Nitrogen, Nitrite (As N)	2.9	1.5	3.000	0	98.0	84.3	103			
Bromide	7.3	1.5	7.500	0	96.9	89.8	103			
Nitrogen, Nitrate (As N)	20	1.5	7.500	11.79	108	61.8	142			
Phosphorus, Orthophosphate (As P	ND	7.5	15.00	0	14.2	15	135			S
Sulfate	60	7.5	30.00	28.93	105	71.9	115			

Sample ID **1712362-011AMSD**	SampType: **msd**	TestCode: **EPA Method 300.0: Anions**
Client ID: **Cell #3 VZ S-3**	Batch ID: **35591**	RunNo: **47880**
Prep Date: **12/19/2017**	Analysis Date: **12/19/2017**	SeqNo: **1534218** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	2.2	1.5	1.500	2.027	12.3	15	119	0.616	20	S
Chloride	20	7.5	15.00	7.586	83.3	60.8	141	3.65	20	
Nitrogen, Nitrite (As N)	2.9	1.5	3.000	0	97.7	84.3	103	0.271	20	
Bromide	7.2	1.5	7.500	0	96.6	89.8	103	0.268	20	
Nitrogen, Nitrate (As N)	18	1.5	7.500	11.79	88.8	61.8	142	7.61	20	
Phosphorus, Orthophosphate (As P	ND	7.5	15.00	0	17.7	15	135	0	20	
Sulfate	56	7.5	30.00	28.93	89.1	71.9	115	8.32	20	

Sample ID **MB-35601**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **35601**	RunNo: **47886**
Prep Date: **12/19/2017**	Analysis Date: **12/19/2017**	SeqNo: **1534287** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.30								
Chloride	ND	1.5								
Nitrogen, Nitrite (As N)	ND	0.30								
Bromide	ND	0.30								

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1712362**
05-Jan-18

Client: Animas Environmental Services
Project: BMG Landfarm

Sample ID	**MB-35601**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**35601**	RunNo:	**47886**					
Prep Date:	**12/19/2017**	Analysis Date:	**12/19/2017**	SeqNo:	**1534287**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrate (As N)	ND	0.30								
Phosphorus, Orthophosphate (As P	ND	1.5								
Sulfate	ND	1.5								

Sample ID	**LCS-35601**	SampType:	**lcs**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**35601**	RunNo:	**47886**					
Prep Date:	**12/19/2017**	Analysis Date:	**12/19/2017**	SeqNo:	**1534288**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.5	0.30	1.500	0	96.8	90	110			
Chloride	14	1.5	15.00	0	90.5	90	110			
Nitrogen, Nitrite (As N)	2.9	0.30	3.000	0	96.7	90	110			
Bromide	7.1	0.30	7.500	0	94.2	90	110			
Nitrogen, Nitrate (As N)	7.3	0.30	7.500	0	96.9	90	110			
Phosphorus, Orthophosphate (As P	14	1.5	15.00	0	94.9	90	110			
Sulfate	28	1.5	30.00	0	93.4	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1712362**

05-Jan-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**LCS-35429**	SampType:	**LCS**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**LCSS**	Batch ID:	**35429**		RunNo:	**47697**				
Prep Date:	**12/11/2017**	Analysis Date:	**12/12/2017**		SeqNo:	**1525049**	Units:	**mg/Kg**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.1	73.2	114			
Surr: DNOP	4.7		5.000		93.3	70	130			

Sample ID	**MB-35429**	SampType:	**MBLK**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**PBS**	Batch ID:	**35429**		RunNo:	**47697**				
Prep Date:	**12/11/2017**	Analysis Date:	**12/12/2017**		SeqNo:	**1525050**	Units:	**mg/Kg**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		106	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1712362**

05-Jan-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-35409**	SampType:	**MBLK**			TestCode:	**EPA Method 8015D: Gasoline Range**			
Client ID:	**PBS**	Batch ID:	**35409**			RunNo:	**47674**			
Prep Date:	**12/8/2017**	Analysis Date:	**12/11/2017**			SeqNo:	**1523843**	Units:	**mg/Kg**	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		110	15	316			

Sample ID	**LCS-35409**	SampType:	**LCS**			TestCode:	**EPA Method 8015D: Gasoline Range**			
Client ID:	**LCSS**	Batch ID:	**35409**			RunNo:	**47674**			
Prep Date:	**12/8/2017**	Analysis Date:	**12/11/2017**			SeqNo:	**1523844**	Units:	**mg/Kg**	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	75.9	131			
Surr: BFB	1200		1000		122	15	316			

Sample ID	**MB-35436**	SampType:	**MBLK**			TestCode:	**EPA Method 8015D: Gasoline Range**			
Client ID:	**PBS**	Batch ID:	**35436**			RunNo:	**47705**			
Prep Date:	**12/11/2017**	Analysis Date:	**12/12/2017**			SeqNo:	**1525397**	Units:	**mg/Kg**	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1200		1000		115	15	316			

Sample ID	**LCS-35436**	SampType:	**LCS**			TestCode:	**EPA Method 8015D: Gasoline Range**			
Client ID:	**LCSS**	Batch ID:	**35436**			RunNo:	**47705**			
Prep Date:	**12/11/2017**	Analysis Date:	**12/12/2017**			SeqNo:	**1525398**	Units:	**mg/Kg**	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	113	75.9	131			
Surr: BFB	1200		1000		124	15	316			

Sample ID	**1712362-014AMS**	SampType:	**MS**			TestCode:	**EPA Method 8015D: Gasoline Range**			
Client ID:	**Cell #4 VZ S-2**	Batch ID:	**35436**			RunNo:	**47705**			
Prep Date:	**12/11/2017**	Analysis Date:	**12/12/2017**			SeqNo:	**1525404**	Units:	**mg/Kg**	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.8	23.99	0	104	77.8	128			
Surr: BFB	1200		959.7		127	15	316			

Sample ID	**1712362-014AMSD**	SampType:	**MSD**			TestCode:	**EPA Method 8015D: Gasoline Range**			
Client ID:	**Cell #4 VZ S-2**	Batch ID:	**35436**			RunNo:	**47705**			
Prep Date:	**12/11/2017**	Analysis Date:	**12/12/2017**			SeqNo:	**1525405**	Units:	**mg/Kg**	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1712362**
05-Jan-18

Client: Animas Environmental Services
Project: BMG Landfarm

Sample ID	**1712362-014AMSD**	SampType:	**MSD**	TestCode:	**EPA Method 8015D: Gasoline Range**
Client ID:	**Cell #4 VZ S-2**	Batch ID:	**35436**	RunNo:	**47705**
Prep Date:	**12/11/2017**	Analysis Date:	**12/12/2017**	SeqNo:	**1525405** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	31	4.8	23.81	0	131	77.8	128	22.7	20	RS
Surr: BFB	1200		952.4		131	15	316	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1712362**

05-Jan-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **MB-35409**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **35409**	RunNo: **47674**
Prep Date: **12/8/2017**	Analysis Date: **12/11/2017**	SeqNo: **1523870** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.10								
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			

Sample ID **LCS-35409**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **35409**	RunNo: **47674**
Prep Date: **12/8/2017**	Analysis Date: **12/11/2017**	SeqNo: **1523871** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.89	0.10	1.000	0	88.8	70.1	121			
Benzene	0.94	0.025	1.000	0	93.9	77.3	128			
Toluene	0.92	0.050	1.000	0	92.3	79.2	125			
Ethylbenzene	0.87	0.050	1.000	0	87.3	80.7	127			
Xylenes, Total	2.6	0.10	3.000	0	85.7	81.6	129			
Surr: 4-Bromofluorobenzene	1.1		1.000		109	80	120			

Sample ID **MB-35436**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **35436**	RunNo: **47705**
Prep Date: **12/11/2017**	Analysis Date: **12/12/2017**	SeqNo: **1525426** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.10								
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		110	80	120			

Sample ID **LCS-35436**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **35436**	RunNo: **47705**
Prep Date: **12/11/2017**	Analysis Date: **12/12/2017**	SeqNo: **1525427** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.95	0.10	1.000	0	95.5	70.1	121			
Benzene	1.0	0.025	1.000	0	100	77.3	128			
Toluene	1.0	0.050	1.000	0	102	79.2	125			
Ethylbenzene	0.99	0.050	1.000	0	99.3	80.7	127			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1712362**
05-Jan-18

Client: Animas Environmental Services
Project: BMG Landfarm

Sample ID	**LCS-35436**	SampType:	**LCS**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**LCSS**	Batch ID:	**35436**	RunNo:	**47705**					
Prep Date:	**12/11/2017**	Analysis Date:	**12/12/2017**	SeqNo:	**1525427**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Xylenes, Total	3.0	0.10	3.000	0	98.7	81.6	129			
Surr: 4-Bromofluorobenzene	1.1		1.000		110	80	120			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1712362**

05-Jan-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-35570**	SampType:	**MBLK**	TestCode:	**EPA Method 7471: Mercury**					
Client ID:	**PBS**	Batch ID:	**35570**	RunNo:	**47897**					
Prep Date:	**12/18/2017**	Analysis Date:	**12/20/2017**	SeqNo:	**1533428**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.033								

Sample ID	**LCS-35570**	SampType:	**LCS**	TestCode:	**EPA Method 7471: Mercury**					
Client ID:	**LCSS**	Batch ID:	**35570**	RunNo:	**47897**					
Prep Date:	**12/18/2017**	Analysis Date:	**12/20/2017**	SeqNo:	**1533429**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.18	0.033	0.1667	0	106	80	120			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1712362**

05-Jan-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-35564**	SampType:	**MBLK**	TestCode:	**EPA Method 6010B: Soil Metals**
Client ID:	**PBS**	Batch ID:	**35564**	RunNo:	**47909**
Prep Date:	**12/18/2017**	Analysis Date:	**12/20/2017**	SeqNo:	**1535093** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	2.5								
Barium	ND	0.10								
Cadmium	ND	0.10								
Calcium	ND	25								
Chromium	ND	0.30								
Lead	ND	0.25								
Magnesium	ND	25								
Potassium	ND	50								
Selenium	ND	2.5								
Silver	ND	0.25								
Sodium	ND	25								

Sample ID	**LCS-35564**	SampType:	**LCS**	TestCode:	**EPA Method 6010B: Soil Metals**
Client ID:	**LCSS**	Batch ID:	**35564**	RunNo:	**47909**
Prep Date:	**12/18/2017**	Analysis Date:	**12/20/2017**	SeqNo:	**1535094** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	25	2.5	25.00	0	100	80	120			
Barium	26	0.10	25.00	0	105	80	120			
Cadmium	27	0.10	25.00	0	108	80	120			
Calcium	2500	25	2500	0	99.0	80	120			
Chromium	25	0.30	25.00	0	101	80	120			
Lead	26	0.25	25.00	0	104	80	120			
Magnesium	2400	25	2500	0	95.2	80	120			
Potassium	2400	50	2500	0	94.5	80	120			
Selenium	27	2.5	25.00	0	109	80	120			
Silver	5.5	0.25	5.000	0	110	80	120			
Sodium	2400	25	2500	0	97.7	80	120			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1712362 RcptNo: 1

Received By: Anne Thorne 12/7/2017 7:00:00 AM

Completed By: Ashley Gallegos 12/7/2017 8:10:24 AM

Reviewed By: SRC 12/07/17

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.3	Good	Yes			

Chain-of-Custody Record

Client:	Animas Environmental Services
Mailing Address:	604 W. Pinon Street Farmington, NM 87401
Phone #:	505-564-2281
email or Fax#:	emcnally@animasenvironmental.co
QA/QC Package:	X Standard □ Level 4 (Full Validation)
Accreditation:	□ NELAP □ Other
□ EDD (Type)	

Turn-Around Time: X Standard □ Rush

Project Name: BMG Landfarm

Project #: AES 040605

Project Manager: Elizabeth McNally

Sampler: SG /cl

On Ice: X Yes □ No

Sample Temperature: 1.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1712362	Analysis Request: TPH (GRO + DRO + MRO) 8015D										Air Bubbles (Y or N)
12/6/2017	10:36	Soil	Cell #1 VZ S-1	1 - 4 oz jars	Cool	-001	X										
12/6/2017	10:47	Soil	Cell #1 VZ S-2	1 - 4 oz jars	Cool	-002	X										
12/6/2017	10:59	Soil	Cell #1 VZ S-3	1 - 4 oz jars	Cool	-003	X										
12/6/2017	11:11	Soil	Cell #1 VZ S-4	1 - 4 oz jars	Cool	-004	X										
12/6/2017	11:29	Soil	Cell #2 VZ S-1	1 - 4 oz jars	Cool	-005	X										
12/6/2017	11:41	Soil	Cell #2 VZ S-2	1 - 4 oz jars	Cool	-006	X										
12/6/2017	12:00	Soil	Cell #2 VZ S-3	1 - 4 oz jars	Cool	-007	X										
12/6/2017	12:08	Soil	Cell #2 VZ S-4	1 - 4 oz jars	Cool	-008	X										

Add. 8021 / RCLAS / Cations / Anions for both of 12/15

Chain-of-Custody Record

Client:	Animas Environmental Services
Mailing Address:	604 W. Pinon Street Farmington, NM 87401
Phone #:	505-564-2281
email or Fax#:	emcnally@animasenvironmental.co
QA/QC Package:	X Standard ☐ Level 4 (Full Validation)
Accreditation:	☐ NELAP ☐ Other
☐ EDD (Type)	

Turn-Around Time: X Standard ☐ Rush

Project Name: BMG Landfarm

Project #: AES 040605

Project Manager: Elizabeth McNally

Sampler: SG / CL

On Ice: X Yes ☐ No

Sample Temperature: 1.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1712362	TPH (GRO + DRO + MRO) 8015D										Air Bubbles (Y or N)
12/6/2017	12:22	Soil	Cell #3 VZ S-1	1 - 4 oz jars	Cool	-009	X										
12/6/2017	12:33	Soil	Cell #3 VZ S-2	1 - 4 oz jars	Cool	-010	X										
12/6/2017	12:45	Soil	Cell #3 VZ S-3	1 - 4 oz jars	Cool	-011	X										
12/6/2017	12:57	Soil	Cell #3 VZ S-4	1 - 4 oz jars	Cool	-012	X										
12/6/2017	13:12	Soil	Cell #4 VZ S-1	1 - 4 oz jars	Cool	-013	X										
12/6/2017	13:24	Soil	Cell #4 VZ S-2	1 - 4 oz jars	Cool	-014	X										
12/6/2017	13:36	Soil	Cell #4 VZ S-3	1 - 4 oz jars	Cool	-015	X										
12/6/2017	13:47	Soil	Cell #4 VZ S-4	1 - 4 oz jars	Cool	-016	X										
						-0											

Date: 12/6/17	Time: 1630	Relinquished by:	Received by:	Date 12/6/17	Time 1631
Date: 12/6/17	Time: 1640	Relinquished by:	Received by:	Date 12/07/17	Time 0700

Remarks: Call if questions.

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

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

January 11, 2018

Tami Knight
Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG Evap Pond OrderNo.: 1712A68

Dear Tami Knight:

Hall Environmental Analysis Laboratory received 7 sample(s) on 12/19/2017 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 #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-1
Project: BMG Evap Pond
Collection Date: 12/14/2017 11:03:00 AM
Lab ID: 1712A68-001
Matrix: AQUEOUS
Received Date: 12/19/2017 6:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/22/2017 3:42:23 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/22/2017 3:42:23 PM
Surr: DNOP	105	77.5-161		%Rec	1	12/22/2017 3:42:23 PM
EPA METHOD 300.0: ANIONS						Analyst: **CJS**
Chloride	22	5.0		mg/L	10	12/28/2017 11:14:50 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	1.0		µg/L	1	12/20/2017 3:40:28 PM
Toluene	ND	1.0		µg/L	1	12/20/2017 3:40:28 PM
Ethylbenzene	ND	1.0		µg/L	1	12/20/2017 3:40:28 PM
Xylenes, Total	ND	1.5		µg/L	1	12/20/2017 3:40:28 PM
Surr: 4-Bromofluorobenzene	96.3	70-130		%Rec	1	12/20/2017 3:40:28 PM
Surr: Toluene-d8	97.9	70-130		%Rec	1	12/20/2017 3:40:28 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **AG**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/20/2017 3:40:28 PM
Surr: BFB	98.2	70-130		%Rec	1	12/20/2017 3:40:28 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	620	40.0	*D	mg/L	1	12/22/2017 5:50:00 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-2
Project: BMG Evap Pond
Collection Date: 12/14/2017 11:21:00 AM
Lab ID: 1712A68-002
Matrix: AQUEOUS
Received Date: 12/19/2017 6:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/22/2017 4:10:10 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/22/2017 4:10:10 PM
Surr: DNOP	113	77.5-161		%Rec	1	12/22/2017 4:10:10 PM
EPA METHOD 300.0: ANIONS						Analyst: **CJS**
Chloride	770	50	*	mg/L	100	12/28/2017 11:52:03 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	1.0		µg/L	1	12/20/2017 4:03:28 PM
Toluene	ND	1.0		µg/L	1	12/20/2017 4:03:28 PM
Ethylbenzene	ND	1.0		µg/L	1	12/20/2017 4:03:28 PM
Xylenes, Total	ND	1.5		µg/L	1	12/20/2017 4:03:28 PM
Surr: 4-Bromofluorobenzene	95.2	70-130		%Rec	1	12/20/2017 4:03:28 PM
Surr: Toluene-d8	95.4	70-130		%Rec	1	12/20/2017 4:03:28 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **AG**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/20/2017 4:03:28 PM
Surr: BFB	95.5	70-130		%Rec	1	12/20/2017 4:03:28 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	2400	20.0	*	mg/L	1	12/22/2017 5:50:00 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 range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-3
Project: BMG Evap Pond
Collection Date: 12/14/2017 10:23:00 AM
Lab ID: 1712A68-003
Matrix: AQUEOUS
Received Date: 12/19/2017 6:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/22/2017 4:38:02 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/22/2017 4:38:02 PM
Surr: DNOP	112	77.5-161		%Rec	1	12/22/2017 4:38:02 PM
EPA METHOD 300.0: ANIONS						Analyst: **CJS**
Chloride	32	5.0		mg/L	10	12/29/2017 12:04:28 AM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	1.0		µg/L	1	12/20/2017 4:26:20 PM
Toluene	ND	1.0		µg/L	1	12/20/2017 4:26:20 PM
Ethylbenzene	ND	1.0		µg/L	1	12/20/2017 4:26:20 PM
Xylenes, Total	ND	1.5		µg/L	1	12/20/2017 4:26:20 PM
Surr: 4-Bromofluorobenzene	95.7	70-130		%Rec	1	12/20/2017 4:26:20 PM
Surr: Toluene-d8	97.6	70-130		%Rec	1	12/20/2017 4:26:20 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **AG**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/20/2017 4:26:20 PM
Surr: BFB	96.5	70-130		%Rec	1	12/20/2017 4:26:20 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	598	20.0	*	mg/L	1	12/22/2017 5:50:00 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-4
Project: BMG Evap Pond
Collection Date: 12/14/2017 10:45:00 AM
Lab ID: 1712A68-004
Matrix: AQUEOUS
Received Date: 12/19/2017 6:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/22/2017 5:05:47 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/22/2017 5:05:47 PM
Surr: DNOP	107	77.5-161		%Rec	1	12/22/2017 5:05:47 PM
EPA METHOD 300.0: ANIONS						Analyst: **CJS**
Chloride	170	5.0		mg/L	10	12/29/2017 12:29:18 AM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	1.0		µg/L	1	12/20/2017 4:49:18 PM
Toluene	ND	1.0		µg/L	1	12/20/2017 4:49:18 PM
Ethylbenzene	ND	1.0		µg/L	1	12/20/2017 4:49:18 PM
Xylenes, Total	ND	1.5		µg/L	1	12/20/2017 4:49:18 PM
Surr: 4-Bromofluorobenzene	95.4	70-130		%Rec	1	12/20/2017 4:49:18 PM
Surr: Toluene-d8	101	70-130		%Rec	1	12/20/2017 4:49:18 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **AG**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/20/2017 4:49:18 PM
Surr: BFB	96.7	70-130		%Rec	1	12/20/2017 4:49:18 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	754	20.0	*	mg/L	1	12/22/2017 5:50:00 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Interstitial Well
Project: BMG Evap Pond
Collection Date: 12/14/2017 11:38:00 AM
Lab ID: 1712A68-005
Matrix: AQUEOUS
Received Date: 12/19/2017 6:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**
Diesel Range Organics (DRO)	3.8	1.0		mg/L	1	12/22/2017 5:33:17 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/22/2017 5:33:17 PM
Surr: DNOP	99.3	77.5-161		%Rec	1	12/22/2017 5:33:17 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	67000	5000	*	mg/L	10000	1/5/2018 5:44:40 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	1.0		µg/L	1	12/20/2017 5:12:18 PM
Toluene	ND	1.0		µg/L	1	12/20/2017 5:12:18 PM
Ethylbenzene	ND	1.0		µg/L	1	12/20/2017 5:12:18 PM
Xylenes, Total	ND	1.5		µg/L	1	12/20/2017 5:12:18 PM
Surr: 4-Bromofluorobenzene	96.5	70-130		%Rec	1	12/20/2017 5:12:18 PM
Surr: Toluene-d8	99.1	70-130		%Rec	1	12/20/2017 5:12:18 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **AG**
Gasoline Range Organics (GRO)	0.062	0.050		mg/L	1	12/20/2017 5:12:18 PM
Surr: BFB	98.0	70-130		%Rec	1	12/20/2017 5:12:18 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	126000	2000	*D	mg/L	1	12/22/2017 5:50:00 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Evap Pond
Project: BMG Evap Pond
Collection Date: 12/14/2017 12:00:00 PM
Lab ID: 1712A68-006
Matrix: AQUEOUS
Received Date: 12/19/2017 6:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**
Diesel Range Organics (DRO)	9.6	1.0		mg/L	1	12/22/2017 6:01:20 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/22/2017 6:01:20 PM
Surr: DNOP	102	77.5-161		%Rec	1	12/22/2017 6:01:20 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	86000	5000	*	mg/L	10000	1/5/2018 5:57:05 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	44	1.0		µg/L	1	12/21/2017 1:24:06 PM
Toluene	43	1.0		µg/L	1	12/21/2017 1:24:06 PM
Ethylbenzene	3.9	1.0		µg/L	1	12/21/2017 1:24:06 PM
Xylenes, Total	22	1.5		µg/L	1	12/21/2017 1:24:06 PM
Surr: 4-Bromofluorobenzene	97.2	70-130		%Rec	1	12/21/2017 1:24:06 PM
Surr: Toluene-d8	101	70-130		%Rec	1	12/21/2017 1:24:06 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **AG**
Gasoline Range Organics (GRO)	0.53	0.050		mg/L	1	12/21/2017 1:24:06 PM
Surr: BFB	99.6	70-130		%Rec	1	12/21/2017 1:24:06 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**
Total Dissolved Solids	164000	2000	*D	mg/L	1	12/22/2017 5:50:00 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Trip Blank
Project: BMG Evap Pond
Collection Date:
Lab ID: 1712A68-007
Matrix: AQUEOUS
Received Date: 12/19/2017 6:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	1.0		µg/L	1	12/20/2017 6:44:06 PM
Toluene	ND	1.0		µg/L	1	12/20/2017 6:44:06 PM
Ethylbenzene	ND	1.0		µg/L	1	12/20/2017 6:44:06 PM
Xylenes, Total	ND	1.5		µg/L	1	12/20/2017 6:44:06 PM
Surr: 4-Bromofluorobenzene	96.0	70-130		%Rec	1	12/20/2017 6:44:06 PM
Surr: Toluene-d8	96.1	70-130		%Rec	1	12/20/2017 6:44:06 PM

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1712A68**

11-Jan-18

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID	**MB**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**A48107**	RunNo:	**48107**					
Prep Date:		Analysis Date:	**12/28/2017**	SeqNo:	**1542563**	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:	**A48107**	RunNo:	**48107**					
Prep Date:		Analysis Date:	**12/28/2017**	SeqNo:	**1542564**	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	94.1	90	110			

Sample ID	**MB**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R48233**	RunNo:	**48233**					
Prep Date:		Analysis Date:	**1/5/2018**	SeqNo:	**1549196**	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:	**R48233**	RunNo:	**48233**					
Prep Date:		Analysis Date:	**1/5/2018**	SeqNo:	**1549197**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.6	0.50	5.000	0	92.9	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1712A68**

11-Jan-18

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID **1712A68-001BMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **MW-1**	Batch ID: **35674**	RunNo: **47981**
Prep Date: **12/21/2017**	Analysis Date: **12/22/2017**	SeqNo: **1537695** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	5.7	1.0	5.000	0	114	83.3	151			
Surr: DNOP	0.53		0.5000		106	77.5	161			

Sample ID **1712A68-001BMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **MW-1**	Batch ID: **35674**	RunNo: **47981**
Prep Date: **12/21/2017**	Analysis Date: **12/22/2017**	SeqNo: **1537696** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	5.8	1.0	5.000	0	116	83.3	151	1.66	20	
Surr: DNOP	0.53		0.5000		105	77.5	161	0	0	

Sample ID **LCS-35674**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **LCSW**	Batch ID: **35674**	RunNo: **47981**
Prep Date: **12/21/2017**	Analysis Date: **12/22/2017**	SeqNo: **1537705** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	5.7	1.0	5.000	0	114	92.3	135			
Surr: DNOP	0.52		0.5000		105	77.5	161			

Sample ID **MB-35674**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **PBW**	Batch ID: **35674**	RunNo: **47981**
Prep Date: **12/21/2017**	Analysis Date: **12/22/2017**	SeqNo: **1537706** 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	1.0		1.000		100	77.5	161			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1712A68**

11-Jan-18

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID	**100ng btex lcs**	SampType:	**LCS4**		TestCode:	**EPA Method 8260: Volatiles Short List**				
Client ID:	**BatchQC**	Batch ID:	**R47932**		RunNo:	**47932**				
Prep Date:		Analysis Date:	**12/20/2017**		SeqNo:	**1535335**	Units:	**µg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	23	1.0	20.00	0	114	80	120			
Toluene	21	1.0	20.00	0	106	80	120			
Ethylbenzene	21	1.0	20.00	0	103	80	120			
Xylenes, Total	62	1.5	60.00	0	104	80	120			
Surr: 4-Bromofluorobenzene	9.1		10.00		90.9	70	130			
Surr: Toluene-d8	10		10.00		100	70	130			

Sample ID	**rb**	SampType:	**MBLK**		TestCode:	**EPA Method 8260: Volatiles Short List**				
Client ID:	**PBW**	Batch ID:	**R47932**		RunNo:	**47932**				
Prep Date:		Analysis Date:	**12/20/2017**		SeqNo:	**1535338**	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	1.5								
Surr: 4-Bromofluorobenzene	9.7		10.00		97.2	70	130			
Surr: Toluene-d8	9.7		10.00		97.2	70	130			

Sample ID	**1712984-001BMS**	SampType:	**MS4**		TestCode:	**EPA Method 8260: Volatiles Short List**				
Client ID:	**BatchQC**	Batch ID:	**R47932**		RunNo:	**47932**				
Prep Date:		Analysis Date:	**12/20/2017**		SeqNo:	**1535373**	Units:	**µg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	30000	500	10000	20800	90.7	80	120			
Toluene	36000	500	10000	30710	48.5	80	120			S
Ethylbenzene	12000	500	10000	3174	86.9	80	120			
Xylenes, Total	40000	750	30000	15670	79.5	80	120			S
Surr: 4-Bromofluorobenzene	4300		5000		86.2	70	130			
Surr: Toluene-d8	4900		5000		98.6	70	130			

Sample ID	**1712984-001BMSD**	SampType:	**MSD4**		TestCode:	**EPA Method 8260: Volatiles Short List**				
Client ID:	**BatchQC**	Batch ID:	**R47932**		RunNo:	**47932**				
Prep Date:		Analysis Date:	**12/20/2017**		SeqNo:	**1535374**	Units:	**µg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	28000	500	10000	20800	76.7	80	120	4.81	0	S
Toluene	33000	500	10000	30710	25.4	80	120	6.72	0	S
Ethylbenzene	11000	500	10000	3174	80.6	80	120	5.47	0	
Xylenes, Total	37000	750	30000	15670	72.2	80	120	5.70	0	S

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1712A68**
11-Jan-18

Client: Animas Environmental Services
Project: BMG Evap Pond

Sample ID	**1712984-001BMSD**	SampType:	**MSD4**	TestCode:	**EPA Method 8260: Volatiles Short List**
Client ID:	**BatchQC**	Batch ID:	**R47932**	RunNo:	**47932**
Prep Date:		Analysis Date:	**12/20/2017**	SeqNo:	**1535374** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	4200		5000		84.3	70	130	0	0	
Surr: Toluene-d8	4900		5000		97.4	70	130	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1712A68**

11-Jan-18

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID	**2.5ug gro lcs**	SampType:	**LCS**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**LCSW**	Batch ID:	**G47932**		RunNo:	**47932**				
Prep Date:		Analysis Date:	**12/20/2017**		SeqNo:	**1535442**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.49	0.050	0.5000	0	98.0	70	130			
Surr: BFB	9.6		10.00		96.1	70	130			

Sample ID	**rb**	SampType:	**MBLK**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**PBW**	Batch ID:	**G47932**		RunNo:	**47932**				
Prep Date:		Analysis Date:	**12/20/2017**		SeqNo:	**1535443**	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	9.9		10.00		98.6	70	130			

Sample ID	**1712a68-001ams**	SampType:	**MS**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**MW-1**	Batch ID:	**G47932**		RunNo:	**47932**				
Prep Date:		Analysis Date:	**12/20/2017**		SeqNo:	**1535445**	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	94.9	70	130			
Surr: BFB	9.6		10.00		96.1	70	130			

Sample ID	**1712a68-001amsd**	SampType:	**MSD**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**MW-1**	Batch ID:	**G47932**		RunNo:	**47932**				
Prep Date:		Analysis Date:	**12/20/2017**		SeqNo:	**1535446**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.42	0.050	0.5000	0	83.4	70	130	12.9	20	
Surr: BFB	8.8		10.00		88.3	70	130	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1712A68**

11-Jan-18

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID	**MB-35671**	SampType:	**MBLK**	TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**PBW**	Batch ID:	**35671**	RunNo:	**47998**					
Prep Date:	**12/21/2017**	Analysis Date:	**12/22/2017**	SeqNo:	**1537590**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	**LCS-35671**	SampType:	**LCS**	TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**LCSW**	Batch ID:	**35671**	RunNo:	**47998**					
Prep Date:	**12/21/2017**	Analysis Date:	**12/22/2017**	SeqNo:	**1537591**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1010	20.0	1000	0	101	80	120			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental | Work Order Number: 1712A68 | RcptNo: 1

Received By: Anne Thorne 12/19/2017 6:55:00 AM

Completed By: Sophia Campuzano 12/19/2017 10:19:07 AM

Reviewed By: ENM 12/19/17

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted? _____
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

Client:	**Animas Environmental Services**
Mailing Address:	**604 W. Pinon Street**
	Farmington, NM 87401
Phone #:	**505-564-2281**
email or Fax#:	tknight@animasenvironmental.com
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other_____
□ EDD (Type)	_____

Turn-Around Time:
X Standard □ Rush_____

Project Name:
BMG Evap Pond

Project #:
AES 040605

Project Manager:
Tami Knight

Sampler: SG
On Ice: X Yes □ No
Sample Temperature: 1.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1712A68	BTEX 8021	TPH (GRO/DRO/MRO) 8015	TDS SM2540C	Chlorides 300.0							Air Bubbles (Y or N)
12/14/2017	11:03	H2O	MW-1	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-001	X	X	X	X							
12/14/2017	11:21	H2O	MW-2	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-002	X	X	X	X							
12/14/2017	10:23	H2O	MW-3	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-003	X	X	X	X							
12/14/2017	10:45	H2O	MW-4	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-004	X	X	X	X							
12/14/2017	11:38	H2O	Interstitial Well	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-005	X	X	X	X							
12/14/2017	12:00	H2O	Evap Pond	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-006	X	X	X	X							
		H2O	Trip Blank		Cold	-007	X										

Date: 12/18/17	Time: 1637	Relinquished by:	Received by:	Date 12/19/17	Time 1637
Date: 12/18/17	Time: 1911	Relinquished by:	Received by:	Date 12/19/17	Time 0655

Remarks:

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.

BMG Landfarm Sampling - Treatment Zone (TZ)

Date: 03/13/2018

Cell #	#1
Sample ID:	CS-1
GPS:	
(4 locations)	composite
Time of sample:	10:07
Sample depth:	.5ft
Soil characteristics: (odor, color, texture)	clay

Cell #	#2
Sample ID:	CS-1
GPS:	
(4 locations)	composite
Time of sample:	10:54
Sample depth:	~.5ft
Soil characteristics: (odor, color, texture)	sandy silt reddish tan no oder

Cell #	#3
Sample ID:	CS-1
GPS:	
(4 locations)	composite
Time of sample:	11:43
Sample depth:	~.5
Soil characteristics: (odor, color, texture)	sandy clay braun no oder

Cell #	#4
Sample ID:	CS-1
GPS:	
(4 locations)	composite
Time of sample:	12.29
Sample depth:	~.5
Soil characteristics: (odor, color, texture)	braun no oder sandy clay

BMG Landfarm Sampling - Vadose Zone (VZ)

Date:

Cell #	#1
Sample ID: (S-1 through S-4)	S-1
GPS:	N 36.38885 W 106.86581
Time of sample:	9:29
Shovel depth:	1.5
Auger depth (2.5' total depth):	2.5
Soil characteristics: (odor, color, texture)	clay, derk brown no oder

Cell #	#1
Sample ID: (S-1 through S-4)	S-2
GPS:	N 36.38920 W 106.86653
Time of sample:	09:47
Shovel depth:	1.8
Auger depth (2.5' total depth):	2.5
Soil characteristics: (odor, color, texture)	no oder slight. clay texture

Cell #	#1
Sample ID: (S-1 through S-4)	S-3
GPS:	N 36.38940 W 106.86708
Time of sample:	10:00
Shovel depth:	1.9
Auger depth (2.5' total depth):	.6
Soil characteristics: (odor, color, texture)	

Cell #	#1
Sample ID: (S-1 through S-4)	S-4
GPS:	N: 36.38966 W 106.86753
Time of sample:	10:12
Shovel depth:	2.0
Auger depth (2.5' total depth):	.5
Soil characteristics: (odor, color, texture)	Sandy clay no oder

BMG Landfarm Sampling - Vadose Zone (VZ)

Date:

Cell #	#2
Sample ID: (S-1 through S-4)	S-1
GPS:	N 36.39020 W 106.86675
Time of sample:	10:26
Shovel depth:	1.7
Auger depth (2.5' total depth):	.8
Soil characteristics: (odor, color, texture)	red sandy clay no oder

Cell #	#2
Sample ID: (S-1 through S-4)	S-2
GPS:	N 36.39022 W 106.86638
Time of sample:	10:38
Shovel depth:	1.8
Auger depth (2.5' total depth):	.7
Soil characteristics: (odor, color, texture)	fine sand tan color no oder

Cell #	#2
Sample ID: (S-1 through S-4)	S-3
GPS:	N 36.38973 W 106.86623
Time of sample:	10:48
Shovel depth:	1.6
Auger depth (2.5' total depth):	.9
Soil characteristics: (odor, color, texture)	medium to fine sand tan no oder

Cell #	#2
Sample ID: (S-1 through S-4)	~~S-3~~ S-4
GPS:	N 36.38977 W 106.86572
Time of sample:	10:59
Shovel depth:	1.8
Auger depth (2.5' total depth):	.7
Soil characteristics: (odor, color, texture)	Sandy no oder reddish tan

BMG Landfarm Sampling - Vadose Zone (VZ)

Date:

Cell #	#3
Sample ID: (S-1 through S-4)	S-1
GPS:	N 36.38919 W 106.86501
Time of sample:	11:13
Shovel depth:	1.7
Auger depth (2.5' total depth):	.8
Soil characteristics: (odor, color, texture)	clay/sand braun no oder

Cell #	#3
Sample ID: (S-1 through S-4)	S-2
GPS:	N 36.38895 W106.86452
Time of sample:	11:26
Shovel depth:	1.7
Auger depth (2.5' total depth):	.8
Soil characteristics: (odor, color, texture)	Sandy clay no oder

Cell #	#3
Sample ID: (S-1 through S-4)	S-3
GPS:	N 36.38911 W 106.86422
Time of sample:	11:37
Shovel depth:	2.0
Auger depth (2.5' total depth):	.5
Soil characteristics: (odor, color, texture)	clay braun no oder

Cell #	#3
Sample ID: (S-1 through S-4)	S-4
GPS:	N 36.38950 W 106.86414
Time of sample:	11:47
Shovel depth:	1.7
Auger depth (2.5' total depth):	.8
Soil characteristics: (odor, color, texture)	clay no oder braun

BMG Landfarm Sampling - Vadose Zone (VZ)

Date:

Cell #	#4
Sample ID: (S-1 through S-4)	S-1
GPS:	N 36.38924 W 106.86290
Time of sample:	12:03
Shovel depth:	1.3
Auger depth (2.5' total depth):	1.2
Soil characteristics: (odor, color, texture)	clay brown no oder

Cell #	#4
Sample ID: (S-1 through S-4)	S-2
GPS:	N 36.38900 W 106.86233
Time of sample:	12:13
Shovel depth:	1.9
Auger depth (2.5' total depth):	.6
Soil characteristics: (odor, color, texture)	Sandy clay brown no oder

Cell #	#4
Sample ID: (S-1 through S-4)	S-3
GPS:	N 36.38901 W 106.86269
Time of sample:	12:23
Shovel depth:	1.6
Auger depth (2.5' total depth):	.9
Soil characteristics: (odor, color, texture)	clay brown with streaks of red

Cell #	#4
Sample ID: (S-1 through S-4)	S-4
GPS:	N 36.38924 W 106.86333
Time of sample:	12:34
Shovel depth:	1.4
Auger depth (2.5' total depth):	1.1
Soil characteristics: (odor, color, texture)	brown no oder clay

DEPTH TO GROUNDWATER MEASUREMENT FORM

Animas Environmental Services
604 W. Pinon St, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project: Groundwater Monitoring
Site: BMG
Location: Evaporation Pond
Tech: S. Gilkes

Project No.:
Date: ~~12/06/17~~ 3/14/2018
Time: 10:30 - 13:30
Form: 1 of 1

Well I.D.	Time	Depth to NAPL (ft.)	Depth to Water (ft.)	NAPL Thickness (ft.)	Notes / Observations
MW-1	12:01	—	39.70	—	2" well
MW-2	12:43	—	40.74	—	2" well
MW-3	10:46	—	40.04	—	2" well
MW-4	11:26	—	40.56	—	2" well
Interstitial Well	13:18	—	11.12	—	

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
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Glasses
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 39.70 **Time:** 11:59 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 39.70 **Time:** 12:01 *(taken prior to purging well)*
Final D.T.W. (ft): 44.95 **Time:** 12:24 *(taken after sample collection)*
If NAPL Present: **D.T.P.:** — **D.T.W.:** — **Thickness:** — **Time:** —

Project No.:
Date: 3-14-18
Arrival Time: 11:55
Air Temp: 47°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.61

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
12:10	12.65	0.839	7.09	7.78	87.0	initial	Clear H_2O, No odor
12:13	12.16	0.838	6.23	7.60	86.3	.25	Clear H_2O, No odor
12:15	12.08	0.833	6.25	7.54	87.4	.5	Slight Turbid H_2O No odor
12:18	12.09	0.832	6.10	7.52	87.8	.75	Turbid H_2O, No odor
12:22							Sample Collected

Analytical Parameters (include analysis method and number and type of sample containers)

(3) 40 mL glass - HCl
(1) 250 mL amber glass - Non
(1) 500 mL plastic - Non

Disposal of Purged Water: Onto ground surface away from U.S. Stormwater Drainages
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Purge ≈ 2.75 gal or until YSI stabilization.
Well known to be Low Yield. Early sample collection due to Low Yield.

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-2

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: S.Glasses
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.74 **Time:** 12:41 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.74 **Time:** 12:43 *(taken prior to purging well)*
Final D.T.W. (ft): 44.82 **Time:** 13:00 *(taken after sample collection)*
If NAPL Present: **D.T.P.:** — **D.T.W.:** — **Thickness:** — **Time:** —

Project No.:
Date: 3-14-18
Arrival Time: 12:35
Air Temp: 49°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.56

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
12:47	12.33	2.630	8.44	7.73	87.7	initial	clear H_2O, No odor
12:50	11.84	2.660	8.29	7.59	86.8	.25	Tan Turbid H_2O No odor
12:53	11.76	2.650	8.17	7.54	85.5	.5	Brown Turbid H_2O No odor
12:58							Sample Collected

Analytical Parameters (include analysis method and number and type of sample containers)

(3) 40 mL glass - HCl
(1) 250 mL amber glass - Non
(1) 500 mL plastic - Non

Disposal of Purged Water: Onto ground surface away from U.S. Stormwater Drainages
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Purge ≈ 2.25 gal or until YSI stabilization
Well known to be Low Yield. Early sample collection due to Low Yield

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-3

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Glasses
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.04 **Time:** 10:44 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.04 **Time:** 10:46 *(taken prior to purging well)*
Final D.T.W. (ft): 44.15 **Time:** 11:13 *(taken after sample collection)*
If NAPL Present: D.T.P.: — D.T.W.: — Thickness: — Time: —

Project No.:
Date: 3-14-15
Arrival Time: 10:35
Air Temp: 47°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.61

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
10:55	13.17	0.825	6.73	7.86	84.3	initial	clear H_2O, No odor
10:59	12.19	0.825	6.51	7.54	86.5	0.25	Turbid H_2O, No odor
3/14 SG 11:02	12.12	0.825	6.49	7.45	86.4	.5	Turbid H_2O, No odor
SG 11:05	12.09	0.825	6.63	7.49	84.9	.75	Turbid H_2O, No odor
11:10						~~1.0~~	Sample Collected

Analytical Parameters (include analysis method and number and type of sample containers)

(3) 40 mL glass - HCl
(1) 250 mL amber glass - Non
(1) 500 mL plastic - Non

Disposal of Purged Water: Onto ground surface away from U.S. Stormwater Drainages
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Purge ≈ 2.72 gal. or until YSI stabilization. Well has been known to dry quickly. Early sample collection due to low yield

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-4

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician:
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.56 **Time:** 11:24 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.56 **Time:** 11:26 *(taken prior to purging well)*
Final D.T.W. (ft): 44.59 **Time:** 11:49 *(taken after sample collection)*
If NAPL Present: D.T.P.: — **D.T.W.:** — **Thickness:** — **Time:** —

Project No.:
Date: 3-14-18
Arrival Time: 11:19
Air Temp: 50°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.64

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
11:34	12.37	1.103	7.53	7.89	91.9	initial	Clear H_2O, No odor
11:37	12.23	1.101	6.84	7.68	87.7	.25	clear H_2O, No odor
11:40	12.06	1.101	6.50	7.59	86.5	.5	Slight Turbid H_2O No odor
11:43	12.02	1.089	6.70	7.55	85.1	.75	Slight Turbid H_2O No odor
11:47						→	Sample Collected

Analytical Parameters (include analysis method and number and type of sample containers)

(3) 40 mL glass - HCl
(1) 250 mL amber glass - Non
(1) 500 mL plastic - Non

Disposal of Purged Water: Onto ground surface away from U.S. Stormwater Drainages
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Purge ≈2.5 gal or until YSI stabilization.
Well known to be Low Yield. Early sample collection due to Low Yield

MONITORING WELL SAMPLING RECORD

Monitor Well No: Interstitial Well

Animas Environmental Services
604 W. Pinon, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Landfarm/Evaporation Pond
Location: BM9
Project: Groundwater Monitoring and Sampling
Sampling Technician: S. Glasses
Purge / No Purge: Purge
Well Diameter (in):
Initial D.T.W. (ft): 11.12 **Time:** 13.16 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 11.12 **Time:** 13.18 *(taken prior to purging well)*
Final D.T.W. (ft): 11.32 **Time:** 13:26 *(taken after sample collection)*
If NAPL Present: **D.T.P.:** — **D.T.W.:** — **Thickness:** — **Time:** —

Project No.:
Date: 3-14-18
Arrival Time: 13:08
Air Temp: 50 °F
T.O.C. Elev. (ft):
Total Well Depth (ft): 12.12

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
13:25						→	Sample collected
		No YSI Readings					

Analytical Parameters (include analysis method and number and type of sample containers)

(3) 40mL glass Vial - HCl
(1) 250mL amber glass - non
(1) 500 mL plastic - non

Disposal of Purged Water: Into Evaporation Pond
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

No YSI Readings.

DEPTH TO GROUNDWATER MEASUREMENT FORM

Animas Environmental Services
604 W. Pinon St, Farmington NM 87401
Tel. (505) 564-2281 animasenvironmental.com

Project: Groundwater Monitoring and Sampling
Site: Evaporation Pond
Location: BMG
Tech: SG / SJ

Project No.:
Date: 6-12-18
Time: 07:00
Form:

Well I.D.	Depth to NAPL (ft.)	Depth to Water (ft.)	NAPL Thickness (ft.)	Notes / Observations
MW-1	—	39.93	—	
MW-2	—	40.97	—	
MW-3	—	40.25	—	
MW-4	—	40.80	—	
Interstitial Well	—	10.35	—	

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
604 W Pinon St., Farmington NM 87401
Tel. (505) 564-2281 animasenvironmental.com

Site: Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: SG SJ
Purge / No Purge: Purge
Well Diameter (in): 2

Project No.:
Date: 6-12-18
Arrival Time: 08:06
Air Temp: 52°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.61

Initial D.T.W. (ft): 39.93 **Time:** 08:09 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 39.93 **Time:** 08:10 *(taken prior to purging well)*
Final D.T.W. (ft): 44.95 **Time:** 08:44 *(taken after sample collection)*
If NAPL Present: D.T.P.: — **D.T.W.:** — **Thickness:** — **Time:** —

Water Quality Parameters - Recorded During Well Purging

YSI # 1 **Calibration Date:** 6-11-18 SG

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
08:15	12.5	0.80	5.93	7.28	141.5	intial	clear / no odor
08:18	12.3	0.79	4.96	7.23	146.6	.25	clear / no odor
08:21	12.3	0.79	4.78	7.22	147.9	.5	cloudy / no odor
08:24	12.3	0.79	4.64	7.23	148.5	.75	cloudy / no odor
08:43	—	—	—	—	—	—	sample collected

Analytical Parameters (include analysis method and number and type of sample containers)

3 - 40 mL VOA, HCl preserve
1 - 250 mL amber glass, non preserve
1 - 500 mL plastic, non preserve

Disposal of Purged Water: on ground
Collected Samples Stored on Ice in Cooler: yes
Chain of Custody Record Complete: yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: no yield samples collected

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-2

Animas Environmental Services
604 W Pinon St., Farmington NM 87401
Tel. (505) 564-2281 animasenvironmental.com

Site: Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: SG SJ
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.95 **Time:** 08:52 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.97 **Time:** 08:53 *(taken prior to purging well)*
Final D.T.W. (ft): 45.06 **Time:** 09:07 *(taken after sample collection)*
If NAPL Present: **D.T.P.:** — **D.T.W.:** — **Thickness:** — **Time:** —

Project No.:
Date: 6-12-18
Arrival Time: 8:48
Air Temp: 45°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.56

Water Quality Parameters - Recorded During Well Purging

YSI # 1 Calibration Date: 6-11-18 SG

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
08:58	12.5	2.15	7.81	7.27	166.6	intial	clear/no oder
09:00	12.1	2.18	7.86	7.24	168.5	.25	cloudy/no oder
09:06	—	—	—	—	—	.5	sample collected

Analytical Parameters (include analysis method and number and type of sample containers)

3 - 40 mL VOA, HCl preserve
1 - 250 mL amber glass, non preserve
1 - 500 mL plastic, non preserve

Disposal of Purged Water: on ground
Collected Samples Stored on Ice in Cooler: yes
Chain of Custody Record Complete: yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Low Yield

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-3

Animas Environmental Services
604 W Pinon St., Farmington NM 87401
Tel. (505) 564-2281 animasenvironmental.com

Site: Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: SG SJ
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.25 **Time:** 06:55 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.25 **Time:** 06:56 *(taken prior to purging well)*
Final D.T.W. (ft): 44.55 **Time:** 07:24 *(taken after sample collection)*
If NAPL Present: **D.T.P.:** — **D.T.W.:** — **Thickness:** — **Time:** —

Project No.:
Date: 6-12-18
Arrival Time: 6:50
Air Temp: 46°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.61

Water Quality Parameters - Recorded During Well Purging

YSI #___ Calibration Date:

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
07:03	13.0	0.81	7.18	7.48	85.7	intial	clear /no oder
07:06	12.2	0.81	6.05	7.18	98.1	.25	cloudy / no oder
07:08	12.1	0.81	5.66	7.09	109.3	.5	cloudy / no oder
07:11	12.0	0.81	5.99	7.14	119.9	.75	cloudy /no oder
07:23	—	—	—	—	—	—	sample collected

Analytical Parameters (include analysis method and number and type of sample containers)

3 - 40 mL VOA, HCl preserve
1 - 250 mL amber glass, non preserve
1 - 500 mL plastic, non preserve

Disposal of Purged Water: on ground
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Low yield sample collected

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-4

Animas Environmental Services
604 W Pinon St., Farmington NM 87401
Tel. (505) 564-2281 animasenvironmental.com

Site: Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: SG SJ
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.80 **Time:** 07:35 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.80 **Time:** 07:36 *(taken prior to purging well)*
Final D.T.W. (ft): 44.92 **Time:** 08:03 *(taken after sample collection)*
If NAPL Present: D.T.P.: — D.T.W.: — Thickness: — Time: —

Project No.:
Date: 6-12-18
Arrival Time: 07:30
Air Temp: 45°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.64

Water Quality Parameters - Recorded During Well Purging

YSI # 1 Calibration Date: 6-11-18 SG

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
07:41	12.2	1.02	9.52	7.24	137.6	initial	clear / no odor
07:43	12.1	1.02	6.44	7.16	-140.8	.25	cloudy / no odor
07:46	12.1	1.03	5.59	7.16	141.6	.5	cloudy / no odor
08:02	—	—	—	—	—	—	sample collected

Analytical Parameters (include analysis method and number and type of sample containers)

3 - 40 mL VOA, HCl preserve
1 - 250 mL amber glass, non preserve
1 - 500 mL plastic, non preserve

Disposal of Purged Water: on ground
Collected Samples Stored on Ice in Cooler: yes
Chain of Custody Record Complete: yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: Low yield sample collected

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: Interstitial Pond

Animas Environmental Services
604 W Pinon St., Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: SG SJ
Purge / No Purge: Purge
Well Diameter (in):
Initial D.T.W. (ft): 10.35 Time: 09:16 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 10.35 Time: 09:17 *(taken prior to purging well)*
Final D.T.W. (ft): 10.44 Time: 09:22 *(taken after sample collection)*
If NAPL Present: D.T.P.: — D.T.W.: — Thickness: — Time: —

Project No.:
Date: 6-12-18
Arrival Time: 09:12
Air Temp: 55°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 12.14

Water Quality Parameters - Recorded During Well Purging

YSI # 1 Calibration Date: 6-11-18

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
09:21							sample collected

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: in evaporation pond
Collected Samples Stored on Ice in Cooler: yes
Chain of Custody Record Complete: yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: low yield

revised: 08/10/09

BMG Landfarm Sampling - Vadose Zone (VZ)

Date: 7-24-18

Cell #	#4
Sample ID: (S-1 through S-4)	S-1
GPS:	N36.38905 W106.86234
Time of sample:	11:40
Shovel depth:	1.5
Auger depth (2.5' total depth):	2.5
Soil characteristics: (odor, color, texture)	Loam reddish brown

Cell #	#4
Sample ID: (S-1 through S-4)	S-2
GPS:	N36.38900 W106.86263
Time of sample:	11:50
Shovel depth:	1.5
Auger depth (2.5' total depth):	2.5
Soil characteristics: (odor, color, texture)	clay loam reddish brown

Cell #	#4
Sample ID: (S-1 through S-4)	S-3
GPS:	N36.38913 W106.86299
Time of sample:	12:02
Shovel depth:	1.75
Auger depth (2.5' total depth):	2.5
Soil characteristics: (odor, color, texture)	clay loam reddish brown

Cell #	#4
Sample ID: (S-1 through S-4)	S-4
GPS:	N36.38931 W106.86338
Time of sample:	12:16
Shovel depth:	1.0
Auger depth (2.5' total depth):	2.5
Soil characteristics: (odor, color, texture)	clay reddish brown soft

BMG Landfarm Sampling - Vadose Zone (VZ)

Date: 7-24-18

Cell #	#1
Sample ID: (S-1 through S-4)	S-1
GPS:	N36.38892 W106.86591
Time of sample:	09:18
Shovel depth:	2.0
Auger depth (2.5' total depth):	2.5
Soil characteristics: (odor, color, texture)	dark brown, sandy clay texture

Cell #	#1
Sample ID: (S-1 through S-4)	S-2
GPS:	N 36.38913 W106.86633
Time of sample:	09:31
Shovel depth:	1.5
Auger depth (2.5' total depth):	2.5
Soil characteristics: (odor, color, texture)	sandy clay brown w/ hints of red

Cell #	#1
Sample ID: (S-1 through S-4)	S-3
GPS:	N 36.38948 W106.86703
Time of sample:	09:43
Shovel depth:	2.0
Auger depth (2.5' total depth):	2.5
Soil characteristics: (odor, color, texture)	clay loam texture brown

Cell #	#1
Sample ID: (S-1 through S-4)	S-4
GPS:	N36.38956 W106.86767
Time of sample:	09:53
Shovel depth:	1.25
Auger depth (2.5' total depth):	2.5
Soil characteristics: (odor, color, texture)	sandy loam slightly sticky reddish brown

BMG Landfarm Sampling - Vadose Zone (VZ)

Date: 7-24-18

Cell #	#2
Sample ID: (S-1 through S-4)	S-1
GPS:	N36.39011 W106.86683
Time of sample:	10:05
Shovel depth:	.5
Auger depth (2.5' total depth):	2.5
Soil characteristics: (odor, color, texture)	tan colored sand moist

Cell #	#2
Sample ID: (S-1 through S-4)	S-2
GPS:	N36.38997 W106.86656
Time of sample:	10:16
Shovel depth:	1.0
Auger depth (2.5' total depth):	2.5
Soil characteristics: (odor, color, texture)	Sandy light tan moist

Cell #	#2
Sample ID: (S-1 through S-4)	S-3
GPS:	N36.38993 W106.86600
Time of sample:	10:28
Shovel depth:	1.0
Auger depth (2.5' total depth):	2.5
Soil characteristics: (odor, color, texture)	sandy light tan

Cell #	#2
Sample ID: (S-1 through S-4)	S-4
GPS:	N36.38970 W106.86566
Time of sample:	10:39
Shovel depth:	1.5
Auger depth (2.5' total depth):	2.5
Soil characteristics: (odor, color, texture)	sand light tan

BMG Landfarm Sampling - Vadose Zone (VZ)

Date: 7-24-18

Cell #	#3
Sample ID: (S-1 through S-4)	S-1
GPS:	N36.38919 W106.86528
Time of sample:	10:54
Shovel depth:	1.25
Auger depth (2.5' total depth):	2.5
Soil characteristics: (odor, color, texture)	medium sand tan

Cell #	#3
Sample ID: (S-1 through S-4)	S-2
GPS:	N 36.38906 W106.86462
Time of sample:	11:05
Shovel depth:	1.5
Auger depth (2.5' total depth):	2.5
Soil characteristics: (odor, color, texture)	reddish brown sandy loam

Cell #	#3
Sample ID: (S-1 through S-4)	S-3
GPS:	N36.38926 W106.86417
Time of sample:	11:15
Shovel depth:	1.25
Auger depth (2.5' total depth):	2.5
Soil characteristics: (odor, color, texture)	clay hard brown

Cell #	#3
Sample ID: (S-1 through S-4)	S-4
GPS:	N 36.38935 W106.86453
Time of sample:	11:26
Shovel depth:	1.5
Auger depth (2.5' total depth):	2.5
Soil characteristics: (odor, color, texture)	sandy clay reddish brown

DEPTH TO GROUNDWATER MEASUREMENT FORM

Animas Environmental Services
604 W. Pinon St, Farmington NM 87401
Tel. (505) 564-2281 animasenvironmental.com

Project: Groundwater Monitoring and Sampling
Site: Evaporation Pond
Location: BMG
Tech: Corwin Lameman / Isaac Garcia (Envirotech)

Project No.:
Date: 9-17-18
Time: 13:45 - 16:45
Form:

Well I.D.	Depth to NAPL (ft.)	Depth to Water (ft.)	NAPL Thickness (ft.)	Notes / Observations
MW-1	—	40.02	—	
MW-2	—	41.06	—	
MW-3	—	40.34	—	No cap on PVC. Brushed off by livestock.
MW-4	—	40.90	—	
Interstitial Well	—	10.74	—	

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-1

Animas Environmental Services
604 W Pinon St., Farmington NM 87401
Tel. (505) 564-2281 animasenvironmental.com

Site: Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: CL / IG (enviratech)
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.04 **Time:** 13:56 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.02 **Time:** 15:46 *(taken prior to purging well)*
Final D.T.W. (ft): 45.07 **Time:** 16:18 *(taken after sample collection)*
If NAPL Present: D.T.P.:_____ D.T.W.:_____ Thickness:_____ Time:_____

Project No.:
Date: 9-17-18
Arrival Time: 15:45
Air Temp:
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.61

Water Quality Parameters - Recorded During Well Purging

YSI # 1 Calibration Date: 9-14-18 SJ

Time	Temp (deg C)	Conductivity (µS) (mS)	DO* (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
15:50	13.3	717	4.42	7.63	148.0	Initial	Cloudy / No Odor
15:53	12.7	686	4.86	7.49	153.3	0.5	Tan Sediment, No odor
16:05							Samples Collected
							Low Yield - Recharge

Analytical Parameters (include analysis method and number and type of sample containers)

3 - 40 mL VOA, HCl preserve
1 - 250 mL amber glass, non preserve
1 - 500 mL plastic, non preserve

Disposal of Purged Water: Evaporation Pond
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: *DO Sensor not working correctly.

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-2

Animas Environmental Services
604 W Pinon St., Farmington NM 87401
Tel. (505) 564-2281 animasenvironmental.com

Site: Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: CL/ IG (enviratech)
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 41.06 **Time:** 13:58 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 41.06 **Time:** 15:12 *(taken prior to purging well)*
Final D.T.W. (ft): 44.85 **Time:** 15:42 *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: _____
Date: 9-17-18
Arrival Time: 15:11
Air Temp: _____
T.O.C. Elev. (ft): _____
Total Well Depth (ft): 45.56

Water Quality Parameters - Recorded During Well Purging

YSI # 1 **Calibration Date:** 9-14-18 SS

Time	Temp (deg C)	Conductivity (µS) (mS)	DO* (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
15:16	13.7	1677	6.86	7.92	162.6	Initial	Clear / No Odor
15:27	14.1	895	7.39	7.54	155.3	0.5	Tan / No Odor
15:40							Samples Collected
							Extremely low
							Yield

Analytical Parameters (include analysis method and number and type of sample containers)

3 - 40 mL VOA, HCl preserve
1 - 250 mL amber glass, non preserve
1 - 500 mL plastic, non preserve

Disposal of Purged Water: Evaporation Pond
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: DO Sensor not working correctly.

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-3

Animas Environmental Services
604 W Pinon St., Farmington NM 87401
Tel. (505) 564-2281 animasenvironmental.com

Site: Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: CL / IG (Envirotech)
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.36 **Time:** 14:01 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.36 **Time:** 14:46 *(taken prior to purging well)*
Final D.T.W. (ft): 44.39 **Time:** 15:08 *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: _____
Date: 9-17-18
Arrival Time: 14:45
Air Temp: _____
T.O.C. Elev. (ft): _____
Total Well Depth (ft): 45.61

Water Quality Parameters - Recorded During Well Purging

YSI # 1 **Calibration Date:** 9-14-18 SJ

Time	Temp (deg C)	Conductivity (µS) ~~(mS)~~ [a]	* DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
14:51	15.2	1.00	3.40	7.64	152.0	Initial	Cloudy / Cow Hair / No Odor
14:55	13.4	~~0.99~~ 770	4.75	7.42	155.9	0.5	Tan Sediment / Cow Hair No Odor
15:03							Samples Collected
							due to low yield.

Analytical Parameters (include analysis method and number and type of sample containers)

3 - 40 mL VOA, HCl preserve
1 - 250 mL amber glass, non preserve
1 - 500 mL plastic, non preserve

Disposal of Purged Water: Evaporation Pond
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: No Cap on well head. on ground. Possible livestock rubbed off Lots of cow hair in well.

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-4

Animas Environmental Services
604 W Pinon St., Farmington NM 87401
Tel. (505) 564-2281 animasenvironmental.com

Site: Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: CL / IG (Emmitech)
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.90 **Time:** 13:54 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.90 **Time:** 14:06 *(taken prior to purging well)*
Final D.T.W. (ft): 44.99 **Time:** 14:43 *(taken after sample collection)*
If NAPL Present: D.T.P.: _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: _____
Date: 9-17-18
Arrival Time: 13:52
Air Temp: _____
T.O.C. Elev. (ft): _____
Total Well Depth (ft): 45.64

Water Quality Parameters - Recorded During Well Purging

YSI # 1 **Calibration Date:** 9-14-18 SS

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
14:11	16.3	1.016	6.17	7.37	148.3	Initial	Clear / No Odor
14:18	14.6	1.18	4.29	7.14	152.7	0.5	Turbid / No odor
14:35	—	—	—	—	—	1.0	Samples Collected
							Low Yield

Analytical Parameters (include analysis method and number and type of sample containers)

3 - 40 mL VOA, HCl preserve
1 - 250 mL amber glass, non preserve
1 - 500 mL plastic, non preserve

Disposal of Purged Water: ~~on ground surface~~ into Evap. pond
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: DO Sensor error.

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: Interstitial Well

Animas Environmental Services
604 W Pinon St., Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Evaporation Pond
Location: BM6
Project: Groundwater Monitoring and Sampling
Sampling Technician: CL / IG (Enviro tech)
Purge / No Purge: Purge
Well Diameter (in):
Initial D.T.W. (ft): 10.74 **Time:** 16:14 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 10.74 **Time:** 16:15 *(taken prior to purging well)*
Final D.T.W. (ft): 10.54 **Time:** 16:35 *(taken after sample collection)*
If NAPL Present: **D.T.P.:** **D.T.W.:** **Thickness:** **Time:**

Project No.:
Date: 9-17-18
Arrival Time:
Air Temp:
T.O.C. Elev. (ft):
Total Well Depth (ft): 12.12

Water Quality Parameters - Recorded During Well Purging

YSI # — **Calibration Date:**

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
16:28							Sample Collected
		NO YSI READINGS					

Analytical Parameters (include analysis method and number and type of sample containers)

3-40 mL VOA, HCl preserve
1-250 mL amber glass, non preserve
1-500 mL plastic, non preserve

Disposal of Purged Water: Evaporation Pond
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

BMG Landfarm Sampling - Treatment Zone (TZ)

Date: 9-17-18 * Sample Time

Cell #	1			
Sample ID:	~~TZ cell #1~~ Cell #1 TZ CS-1			
GPS: (4 locations)	36.38885 -106.86576	36.38903 -106.86618	36.38940 -106.86696	36.38964 -106.86756
Time of sample:	9:45	10:04	10:16	10:27 *
Sample depth:	1.5'	1.5	1.5	1.5
Soil characteristics: (odor, color, texture)	Clay, Sl. Odor, Moist	Sand Brown, Mois, N.O.	Sand, Brown, Moist Sl. Odor	Sand Brown, Moist N.O.

Cell #	2	2	2	2
Sample ID:	Cell #2 TZ	CS-2		
GPS: (4 locations)	36.39005 -106.86671	36.38978 -106.86603	36.38999 -106.86578	36.39032 -106.86666
Time of sample:	10:47	10:59	11:13	11:24 *
Sample depth:	1.0	1.0	1.0	1.0
Soil characteristics: (odor, color, texture)	Sand and Clay Moist. N.O.	Clay, Brown, Dry N.O.	Loose, Sand, Dry N.O.	Sand, Moist, Red Brown N.O.

Cell #	3			
Sample ID:	Cell #3 TZ CS-3			
GPS: (4 locations)	36.38921 -106.86520	36.38884 -106.86441	36.38932 -106.86401	36.38922 -106.86445
Time of sample:	11:43	11:54	12:08	12:21 *
Sample depth:	1.0	1.0	1.0	1.0
Soil characteristics: (odor, color, texture)	Brown, Coarse Sand Moist, No Odor	Brown-Maroon, Sand Moist, No Odor	Brown, Clay & Sand, Moist No Odor	Red-Brown, Sand Moist, No Odor

Cell #	~~3~~ 4			
Sample ID:	Cell #4 TZ CS-4			
GPS: (4 locations)	36.38892 -106.86235	36.38911 -106.86264	36.38924 -106.86295	36.38935 -106.86332
Time of sample:	12:41	12:55	13:08	~~13~~ 13:24 *
Sample depth:	1.0	1.0	1.0	1.0
Soil characteristics: (odor, color, texture)	Brown, Clay and Sand, Moist, No Odor	Brown-Red, Sands/Clay Moist, No Odor	Brown, Clay & Sand Moist, No Odor	Brown, Clay, Hard Moist, No Odor

BMG Landfarm Sampling - Vadose Zone (VZ)

Date: 9-17-18

Cell #	1
Sample ID: (S-1 through S-4)	~~S-1~~ Cell #1 VZ S-1
GPS:	36.38885, -106.86576
Time of sample:	9:47
Shovel depth:	1.5 SD ; 2.5' Auger
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	Moist, Clay, Brown, No odor

Cell #	1
Sample ID: (S-1 through S-4)	~~S-2~~ Cell #1 VZ S-2
GPS:	36.38903, -106.86618
Time of sample:	10:07
Shovel depth:	1.5 SD ; 2.5' Auger
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	Sand & Clay Brown, No odor

Cell #	1
Sample ID: (S-1 through S-4)	~~S-3~~ Cell #1 VZ S-3
GPS:	36.38940, -106.86696
Time of sample:	10:22
Shovel depth:	1.5' SD ; 2.5' Auger
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	Clay, Brown, No odor, Moist

Cell #	1
Sample ID: (S-1 through S-4)	~~S-4~~ Cell #1 VZ S-4
GPS:	36.38964, -106.86752
Time of sample:	10:35
Shovel depth:	1.5' SD, 2.5' Auger
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	Clay, Brown, No Odor, Moist, Some Sand.

BMG Landfarm Sampling - Vadose Zone (VZ)

Date: 9-17-18

Cell #	2
Sample ID: (S-1 through S-4)	~~S-1a~~ Cell #2 VZ S-1
GPS:	36.39005, -106.86671
Time of sample:	10:52
Shovel depth:	1.5 SD, 2.5 Auger
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	~~Very~~ Coarse Sand, No Odor, Moist.

Cell #	2
Sample ID: (S-1 through S-4)	~~S-2a~~ Cell #2 VZ S-2
GPS:	36.38978, -106.86603
Time of sample:	11:06
Shovel depth:	1.5 SD, 2.5 Auger
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	Coarse Sand, Brown-Tan, Moist, N.O.

Cell #	2
Sample ID: (S-1 through S-4)	~~S-3a~~ Cell #2 VZ S-3
GPS:	36.38999, -106.86578
Time of sample:	1119
Shovel depth:	1.5 SD; 2.5' Auger
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	Coarse Sand, Brown-Tan, Moist N.O.

Cell #	2
Sample ID: (S-1 through S-4)	~~S-4a~~ Cell #2 VZ S-4
GPS:	36.39032, -106.86664
Time of sample:	1133
Shovel depth:	1.5' SD, 2.75' Auger
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	Coarse Sand, Tan, N.O., Dry

BMG Landfarm Sampling - Vadose Zone (VZ)

Date: 9-17-18

Cell #	3
Sample ID: (S-1 through S-4)	~~a S-1~~ Cell #3 VZ S-1
GPS:	36.38921, -106.86520
Time of sample:	~~11:47~~
Shovel depth:	1.5' SD; 2.5' ~~Auger~~
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	Tan, Coarse Sand, Moist, No odor.

Cell #	3
Sample ID: (S-1 through S-4)	~~a S-2~~ Cell #3 VZ S-2
GPS:	36.38884, -106.86441
Time of sample:	12:01
Shovel depth:	1.5' SD; 2.5' ~~Auger~~
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	Clay & Sand, Brown, Moist, No Odor

Cell #	3
Sample ID: (S-1 through S-4)	~~a S-3~~ Cell #3 VZ S-3
GPS:	36.38932, -106.86401
Time of sample:	12:14
Shovel depth:	1.5 SD; 2.5 ~~Auger~~
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	Clay some Sand, Brown, Moist, No Odor

Cell #	3
Sample ID: (S-1 through S-4)	~~a S-4~~ Cell #3 VZ S-4
GPS:	36.38922, -106.86445
Time of sample:	12:29
Shovel depth:	1.5' SD; 2.5 ~~Auger~~
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	Brown, Sand, Moist, No Odor

BMG Landfarm Sampling - Vadose Zone (VZ)

Date: 9-17-18

Cell #	4
Sample ID: (S-1 through S-4)	~~S-1~~ Cell #4 VZ S-1
GPS:	36.38892, -106.86235
Time of sample:	12:47
Shovel depth:	1.5' SD; 2.5' auger
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	Brown, Sand, Moist, No Odor

Cell #	4
Sample ID: (S-1 through S-4)	~~S-2~~ Cell #4 VZ S-2
GPS:	36.38841, -106.86264
Time of sample:	13:00
Shovel depth:	1.5' SD; 2.5' auger
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	Brown, Clay and Sand, Moist, No Odor

Cell #	4
Sample ID: (S-1 through S-4)	~~S-3~~ Cell #4 VZ S-3
GPS:	36.38924, -106.86295
Time of sample:	13:15
Shovel depth:	1.5' SD; 2.5' auger
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	Brown, Clay and Sand, Moist, No Odor

Cell #	4
Sample ID: (S-1 through S-4)	~~S-4~~ Cell #4 VZ S-4
GPS:	36.38935, -106.86332
Time of sample:	13:32
Shovel depth:	1.5' SD; 2.5' auger
Auger depth (2.5' total depth):	
Soil characteristics: (odor, color, texture)	Brown, Clay and Sand, Moist, No Odor

DEPTH TO GROUNDWATER MEASUREMENT FORM

Animas Environmental Services
604 W. Pinon St, Farmington NM 87401
Tel. (505) 564-2281 animasenvironmental.com

Project: Groundwater Monitoring and Sampling
Site: Evaporation Pond
Location: BMG Landfarm
Tech: C, Lameman

Project No.:
Date: 12-19-18
Time: 1200 - 1430
Form:

Well I.D.	Depth to NAPL (ft.)	Depth to Water (ft.)	NAPL Thickness (ft.)	Notes / Observations
MW-1	–	40.12	–	
MW-2	–	41.14	–	
MW-3	–	40.43	–	
MW-4	–	40.98	–	
Interstitial Well	–	10.18	–	

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
604 W Pinon St., Farmington NM 87401
Tel. (505) 564-2281 animasenvironmental.com

Site: Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: CL/GB
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.12 **Time:** 13:35 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.12 **Time:** 13:37 *(taken prior to purging well)*
Final D.T.W. (ft): 44.0 **Time:** 13:46 *(taken after sample collection)*
If NAPL Present: **D.T.P.:** — **D.T.W.:** — **Thickness:** — **Time:** —

Project No.:
Date: 12-19-18
Arrival Time: 13:34
Air Temp: 33°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.61

Water Quality Parameters - Recorded During Well Purging

YSI # 1 **Calibration Date:** 12-17-18 CL

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
13:41	11.1	570	3.34	7.61	150.4	Initial	Clear/No Odor
13:47	11.5	565	3.13	7.55	154.4	0.5	
13:43							Very Low Yield
							Samples Collected

Analytical Parameters (include analysis method and number and type of sample containers)

3 - 40 mL VOA, HCl preserve
1 - 250 mL amber glass, non preserve
1 - 500 mL plastic, non preserve

Disposal of Purged Water: Evaporation Pond
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-2

Animas Environmental Services
604 W Pinon St., Farmington NM 87401
Tel. (505) 564-2281 animasenvironmental.com

Site: Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: CL/GB
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 41.14 **Time:** 13:18 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 41.14 **Time:** 13:21 *(taken prior to purging well)*
Final D.T.W. (ft): 44.60 **Time:** 13:31 *(taken after sample collection)*
If NAPL Present: **D.T.P.:** — **D.T.W.:** — **Thickness:** — **Time:** —

Project No.:
Date: 12-19-18
Arrival Time: 13:17
Air Temp: 33°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.56

Water Quality Parameters - Recorded During Well Purging

YSI # 1 Calibration Date: 12-17-18 CL

Time	Temp (deg C)	Conductivity (µS) (mS)	* DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
13:24	10.5	~~2.05~~/1483	5.88	7.45	150.2	Initial	Clear / No Odor
13:30	11.0	1540	5.60	7.43	151.2	0.5	Tan Sed. / No Odor
13:27	—	—	—	—	—	—	Very Low Yield
							Samples Collected

Analytical Parameters (include analysis method and number and type of sample containers)

3 - 40 mL VOA, HCl preserve
1 - 250 mL amber glass, non preserve
1 - 500 mL plastic, non preserve

Disposal of Purged Water: Evaporation Pond
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: * DO Sensor calibrated correctly. Unknown anomaly.

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-3

Animas Environmental Services
604 W Pinon St., Farmington NM 87401
Tel. (505) 564-2281 animasenvironmental.com

Site: Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: CL/GB
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.43 **Time:** 12:58 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.43 **Time:** 12:59 *(taken prior to purging well)*
Final D.T.W. (ft): 43.82 **Time:** 13:09 *(taken after sample collection)*
If NAPL Present: D.T.P.: — D.T.W.: — Thickness: — Time: —

Project No.:
Date: 12-19-18
Arrival Time: 12:56
Air Temp: 32 °F
T.O.C. Elev. (ft): ~~329~~
Total Well Depth (ft): 45.61

Water Quality Parameters - Recorded During Well Purging

YSI # 1 Calibration Date: Calibration 12-17-18 CL

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
13:02	11.0	0.92	3.13	7.48	151.5	Initial	Cloudy/No Oder
~~13:06~~ 13:09	11.3	0.92	3.67	7.48	149.4	0.5	Cloudy/No Oder
13:08	—	—	—	—	—	—	Low Yield Samples Collected

Analytical Parameters (include analysis method and number and type of sample containers)

3 - 40 mL VOA, HCl preserve
1 - 250 mL amber glass, non preserve
1 - 500 mL plastic, non preserve

Disposal of Purged Water: Evaporation Pond
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: * DO Sensor is working correctly. Unknown anomaly.

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-4

Animas Environmental Services
604 W Pinon St., Farmington NM 87401
Tel. (505) 564-2281 animasenvironmental.com

Site: Evaporation Pond
Location: BMG
Project: Groundwater Monitoring and Sampling
Sampling Technician: CL / GB
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): 40.98 **Time:** 12:13 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 40.98 **Time:** 12:15 *(taken prior to purging well)*
Final D.T.W. (ft): 44.42 **Time:** 12:53 *(taken after sample collection)*
If NAPL Present: D.T.P.: — D.T.W.: — Thickness: — Time: —

Project No.:
Date: 12-19-18
Arrival Time: 12:12
Air Temp: 30°F
T.O.C. Elev. (ft):
Total Well Depth (ft): 45.64

Water Quality Parameters - Recorded During Well Purging

YSI # 1 Calibration Date: 12-17-18 CL

Time	Temp (deg C)	Conductivity (µS) (~~mS~~)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
12:18	11.9	0.98	3.51	7.56	134.6	Initial	Clear / No Oder
12:22	11.8	0.94	3.84	7.38	134.7	0.5	Sediment / No Oder
12:50	—	—	—	—	—	—	Low Yield Samples
							Collected

Analytical Parameters (include analysis method and number and type of sample containers)

3 - 40 mL VOA, HCl preserve
1 - 250 mL amber glass, non preserve
1 - 500 mL plastic, non preserve

Disposal of Purged Water: Evaporation Pond
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: * DO unknown anomaly. Calibration is correct.

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: Interstitial Well

Animas Environmental Services
604 W Pinon St., Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Evaporation Pond
Location: BM6
Project: Groundwater Monitoring and Sampling
Sampling Technician: CL/GB
Purge / No Purge: Purge
Well Diameter (in): ~~8~~ 7"
Initial D.T.W. (ft): 10.18 Time: 14:03 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 10.78 Time: 14:05 *(taken prior to purging well)*
Final D.T.W. (ft): 10.78 Time: 14:15 *(taken after sample collection)*
If NAPL Present: D.T.P.: – D.T.W.: – Thickness: – Time: –

Project No.:
Date: 12-19-18
Arrival Time:
Air Temp: 34°F
T.O.C. Elev. (ft):
Total Well Depth (ft):

Water Quality Parameters - Recorded During Well Purging

YSI # – Calibration Date: NA

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
14:17							Sample Collected.
							Purged for 10 mins
							Recharged

Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: Evaporation Pond
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: No water Quality Measurements.

revised: 08/10/09

BMG Landfarm Sampling - Vadose Zone (VZ)

Date: 12-19-18

Cell #	1			
Sample ID: (S-1 through S-4)	S-1	S-2	S-3	S-4
GPS:	36.38879 -106.86553	36.38895 -106.86597	36.38937 -106.86691	36.38978 -106.86771
Time of sample:	8:59	9:11	9:22	9:30
Shovel depth:	1.75	1.5	1.75	2.0
Auger depth (2.5' total depth):	2x .75	1.0	.75	2x 0.5
Soil characteristics: (odor, color, texture)	Clay, Moist No odor	Clayey Sand Moist No odor	Clay, Moist No Odor	Sand, Moist No Odor

Cell #	2			
Sample ID: (S-1 through S-4)	S-1	S-2	S-3	S-4
GPS:	36.39017 -106.86702	36.39042 -106.86691	36.38966 -106.86614	36.38990 -106.86555
Time of sample:	9:41	9:50	9:59	10:11
Shovel depth:	2.0	2.6	2.6	2.0
Auger depth (2.5' total depth):	0.5	0.5	0.5	0.5
Soil characteristics: (odor, color, texture)	Sand, Moist No Odor	Sand, Moist No Odor	Sand, Moist No Odor	Sand, Moist No Odor

Cell #	3			
Sample ID: (S-1 through S-4)	S-1	S-2	S-3	S-4
GPS:	36.38900 -106.86492	36.38895 -106.86408	36.38950 -106.86376	36.38925 -106.86457
Time of sample:	10:25	10:37	10:47	10:57
Shovel depth:	2.0	2.0	2.0	2.0
Auger depth (2.5' total depth):	0.5	0.5	0.5	0.5
Soil characteristics: (odor, color, texture)	Clayey Sand Moist No odor	Clay, Moist No Odor	Clay, Moist No Odor	Sand, Moist No Odor

Cell #	4			
Sample ID: (S-1 through S-4)	S-1	S-2	S-3	S-4
GPS:	36.38918 -106.86263	36.38895 -106.86251	36.38916 -106.86300	36.38922 -106.86340
Time of sample:	11:11	11:22	11:31	11:42
Shovel depth:	2.0	2.0	2.0	2.0
Auger depth (2.5' total depth):	0.5	0.5	0.5	0.5
Soil characteristics: (odor, color, texture)	Sand, Moist No Odor	Sand, Moist No Odor	Sand w/Clay Moist No Odor	Sand w/ Clay Moist No Odor

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

March 28, 2018

Tami Knight
Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG Landfarm OrderNo.: 1803755

Dear Tami Knight:

Hall Environmental Analysis Laboratory received 16 sample(s) on 3/14/2018 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 #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1803755**
Date Reported: **3/28/2018**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-1
Project: BMG Landfarm
Collection Date: 3/13/2018 9:29:00 AM
Lab ID: 1803755-001
Matrix: SOIL
Received Date: 3/14/2018 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	3/15/2018 2:09:23 PM
Toluene	ND	0.050		mg/Kg	1	3/15/2018 2:09:23 PM
Ethylbenzene	ND	0.050		mg/Kg	1	3/15/2018 2:09:23 PM
Xylenes, Total	ND	0.10		mg/Kg	1	3/15/2018 2:09:23 PM
Surr: 4-Bromofluorobenzene	84.5	80-120		%Rec	1	3/15/2018 2:09:23 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	630	30		mg/Kg	20	3/25/2018 11:47:53 AM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	3/21/2018

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-2
Project: BMG Landfarm
Collection Date: 3/13/2018 9:47:00 AM
Lab ID: 1803755-002
Matrix: SOIL
Received Date: 3/14/2018 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	3/15/2018 3:19:19 PM
Toluene	ND	0.047		mg/Kg	1	3/15/2018 3:19:19 PM
Ethylbenzene	ND	0.047		mg/Kg	1	3/15/2018 3:19:19 PM
Xylenes, Total	ND	0.094		mg/Kg	1	3/15/2018 3:19:19 PM
Surr: 4-Bromofluorobenzene	86.0	80-120		%Rec	1	3/15/2018 3:19:19 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	ND	30		mg/Kg	20	3/25/2018 12:00:18 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	3/21/2018

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-3
Project: BMG Landfarm
Collection Date: 3/13/2018 10:00:00 AM
Lab ID: 1803755-003
Matrix: SOIL
Received Date: 3/14/2018 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	3/15/2018 9:10:22 PM
Toluene	ND	0.048		mg/Kg	1	3/15/2018 9:10:22 PM
Ethylbenzene	ND	0.048		mg/Kg	1	3/15/2018 9:10:22 PM
Xylenes, Total	ND	0.096		mg/Kg	1	3/15/2018 9:10:22 PM
Surr: 4-Bromofluorobenzene	89.6	80-120		%Rec	1	3/15/2018 9:10:22 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	ND	30		mg/Kg	20	3/25/2018 12:37:31 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	3/21/2018

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-4
Project: BMG Landfarm
Collection Date: 3/13/2018 10:12:00 AM
Lab ID: 1803755-004
Matrix: SOIL
Received Date: 3/14/2018 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	3/15/2018 9:33:48 PM
Toluene	ND	0.049		mg/Kg	1	3/15/2018 9:33:48 PM
Ethylbenzene	ND	0.049		mg/Kg	1	3/15/2018 9:33:48 PM
Xylenes, Total	ND	0.097		mg/Kg	1	3/15/2018 9:33:48 PM
Surr: 4-Bromofluorobenzene	86.9	80-120		%Rec	1	3/15/2018 9:33:48 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	ND	30		mg/Kg	20	3/25/2018 12:49:56 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	3/21/2018

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-1
Project: BMG Landfarm
Collection Date: 3/13/2018 10:26:00 AM
Lab ID: 1803755-005
Matrix: SOIL
Received Date: 3/14/2018 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	3/15/2018 11:07:14 PM
Toluene	ND	0.049		mg/Kg	1	3/15/2018 11:07:14 PM
Ethylbenzene	ND	0.049		mg/Kg	1	3/15/2018 11:07:14 PM
Xylenes, Total	ND	0.098		mg/Kg	1	3/15/2018 11:07:14 PM
Surr: 4-Bromofluorobenzene	84.6	80-120		%Rec	1	3/15/2018 11:07:14 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	ND	30		mg/Kg	20	3/25/2018 1:02:20 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	550	19		mg/Kg	1	3/21/2018

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-2
Project: BMG Landfarm
Collection Date: 3/13/2018 10:38:00 AM
Lab ID: 1803755-006
Matrix: SOIL
Received Date: 3/14/2018 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	3/15/2018 11:30:33 PM
Toluene	ND	0.049		mg/Kg	1	3/15/2018 11:30:33 PM
Ethylbenzene	ND	0.049		mg/Kg	1	3/15/2018 11:30:33 PM
Xylenes, Total	ND	0.098		mg/Kg	1	3/15/2018 11:30:33 PM
Surr: 4-Bromofluorobenzene	86.8	80-120		%Rec	1	3/15/2018 11:30:33 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	ND	30		mg/Kg	20	3/25/2018 1:14:45 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	3/21/2018

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-3
Project: BMG Landfarm
Collection Date: 3/13/2018 10:48:00 AM
Lab ID: 1803755-007
Matrix: SOIL
Received Date: 3/14/2018 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	3/15/2018 11:53:55 PM
Toluene	ND	0.049		mg/Kg	1	3/15/2018 11:53:55 PM
Ethylbenzene	ND	0.049		mg/Kg	1	3/15/2018 11:53:55 PM
Xylenes, Total	ND	0.097		mg/Kg	1	3/15/2018 11:53:55 PM
Surr: 4-Bromofluorobenzene	86.4	80-120		%Rec	1	3/15/2018 11:53:55 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	ND	30		mg/Kg	20	3/25/2018 1:27:09 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	3/21/2018

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-4
Project: BMG Landfarm
Collection Date: 3/13/2018 10:59:00 AM
Lab ID: 1803755-008
Matrix: SOIL
Received Date: 3/14/2018 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	3/16/2018 12:17:18 AM
Toluene	ND	0.047		mg/Kg	1	3/16/2018 12:17:18 AM
Ethylbenzene	ND	0.047		mg/Kg	1	3/16/2018 12:17:18 AM
Xylenes, Total	ND	0.095		mg/Kg	1	3/16/2018 12:17:18 AM
Surr: 4-Bromofluorobenzene	86.4	80-120		%Rec	1	3/16/2018 12:17:18 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	ND	30		mg/Kg	20	3/25/2018 1:39:33 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	ND	18		mg/Kg	1	3/21/2018

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-1
Project: BMG Landfarm
Collection Date: 3/13/2018 11:13:00 AM
Lab ID: 1803755-009
Matrix: SOIL
Received Date: 3/14/2018 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	3/16/2018 12:40:38 AM
Toluene	ND	0.048		mg/Kg	1	3/16/2018 12:40:38 AM
Ethylbenzene	ND	0.048		mg/Kg	1	3/16/2018 12:40:38 AM
Xylenes, Total	ND	0.097		mg/Kg	1	3/16/2018 12:40:38 AM
Surr: 4-Bromofluorobenzene	83.5	80-120		%Rec	1	3/16/2018 12:40:38 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	ND	30		mg/Kg	20	3/25/2018 2:16:46 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	3/21/2018

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-2
Project: BMG Landfarm
Collection Date: 3/13/2018 11:26:00 AM
Lab ID: 1803755-010
Matrix: SOIL
Received Date: 3/14/2018 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	3/16/2018 1:04:00 AM
Toluene	ND	0.049		mg/Kg	1	3/16/2018 1:04:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	3/16/2018 1:04:00 AM
Xylenes, Total	ND	0.097		mg/Kg	1	3/16/2018 1:04:00 AM
Surr: 4-Bromofluorobenzene	85.2	80-120		%Rec	1	3/16/2018 1:04:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	ND	30		mg/Kg	20	3/25/2018 2:29:11 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	3/21/2018

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-3
Project: BMG Landfarm
Collection Date: 3/13/2018 11:37:00 AM
Lab ID: 1803755-011
Matrix: SOIL
Received Date: 3/14/2018 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	3/16/2018 1:27:25 AM
Toluene	ND	0.047		mg/Kg	1	3/16/2018 1:27:25 AM
Ethylbenzene	ND	0.047		mg/Kg	1	3/16/2018 1:27:25 AM
Xylenes, Total	ND	0.094		mg/Kg	1	3/16/2018 1:27:25 AM
Surr: 4-Bromofluorobenzene	85.7	80-120		%Rec	1	3/16/2018 1:27:25 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	ND	30		mg/Kg	20	3/25/2018 3:31:14 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	3/21/2018

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-4
Project: BMG Landfarm
Collection Date: 3/13/2018 11:47:00 AM
Lab ID: 1803755-012
Matrix: SOIL
Received Date: 3/14/2018 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	3/16/2018 1:50:47 AM
Toluene	ND	0.046		mg/Kg	1	3/16/2018 1:50:47 AM
Ethylbenzene	ND	0.046		mg/Kg	1	3/16/2018 1:50:47 AM
Xylenes, Total	ND	0.093		mg/Kg	1	3/16/2018 1:50:47 AM
Surr: 4-Bromofluorobenzene	85.7	80-120		%Rec	1	3/16/2018 1:50:47 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	ND	30		mg/Kg	20	3/25/2018 3:43:39 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	ND	18		mg/Kg	1	3/21/2018

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-1
Project: BMG Landfarm
Collection Date: 3/13/2018 12:03:00 PM
Lab ID: 1803755-013
Matrix: SOIL
Received Date: 3/14/2018 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	3/16/2018 2:14:08 AM
Toluene	ND	0.047		mg/Kg	1	3/16/2018 2:14:08 AM
Ethylbenzene	ND	0.047		mg/Kg	1	3/16/2018 2:14:08 AM
Xylenes, Total	ND	0.094		mg/Kg	1	3/16/2018 2:14:08 AM
Surr: 4-Bromofluorobenzene	84.5	80-120		%Rec	1	3/16/2018 2:14:08 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	32	30		mg/Kg	20	3/25/2018 3:56:03 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	ND	18		mg/Kg	1	3/21/2018

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-2
Project: BMG Landfarm
Collection Date: 3/13/2018 12:13:00 PM
Lab ID: 1803755-014
Matrix: SOIL
Received Date: 3/14/2018 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	3/15/2018 2:27:51 PM
Toluene	ND	0.046		mg/Kg	1	3/15/2018 2:27:51 PM
Ethylbenzene	ND	0.046		mg/Kg	1	3/15/2018 2:27:51 PM
Xylenes, Total	ND	0.092		mg/Kg	1	3/15/2018 2:27:51 PM
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	3/15/2018 2:27:51 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	ND	30		mg/Kg	20	3/25/2018 4:08:27 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	ND	18		mg/Kg	1	3/21/2018

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-3
Project: BMG Landfarm
Collection Date: 3/13/2018 12:23:00 PM
Lab ID: 1803755-015
Matrix: SOIL
Received Date: 3/14/2018 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	3/15/2018 2:51:41 PM
Toluene	ND	0.047		mg/Kg	1	3/15/2018 2:51:41 PM
Ethylbenzene	ND	0.047		mg/Kg	1	3/15/2018 2:51:41 PM
Xylenes, Total	ND	0.093		mg/Kg	1	3/15/2018 2:51:41 PM
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	3/15/2018 2:51:41 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	30		mg/Kg	20	3/26/2018 10:01:57 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	3/21/2018

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-4
Project: BMG Landfarm
Collection Date: 3/13/2018 12:34:00 PM
Lab ID: 1803755-016
Matrix: SOIL
Received Date: 3/14/2018 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	3/15/2018 3:15:28 PM
Toluene	ND	0.049		mg/Kg	1	3/15/2018 3:15:28 PM
Ethylbenzene	ND	0.049		mg/Kg	1	3/15/2018 3:15:28 PM
Xylenes, Total	ND	0.098		mg/Kg	1	3/15/2018 3:15:28 PM
Surr: 4-Bromofluorobenzene	99.2	80-120		%Rec	1	3/15/2018 3:15:28 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	30		mg/Kg	20	3/26/2018 11:03:59 PM
EPA METHOD 418.1: TPH						Analyst: **MAB**
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	3/21/2018

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1803755**

28-Mar-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-37217**	SampType:	**MBLK**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**PBS**	Batch ID:	**37217**		RunNo:	**50064**				
Prep Date:	**3/23/2018**	Analysis Date:	**3/25/2018**		SeqNo:	**1621314**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-37217**	SampType:	**LCS**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**LCSS**	Batch ID:	**37217**		RunNo:	**50064**				
Prep Date:	**3/23/2018**	Analysis Date:	**3/25/2018**		SeqNo:	**1621315**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.3	90	110			

Sample ID	**MB-37248**	SampType:	**mblk**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**PBS**	Batch ID:	**37248**		RunNo:	**50081**				
Prep Date:	**3/26/2018**	Analysis Date:	**3/26/2018**		SeqNo:	**1621907**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-37248**	SampType:	**lcs**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**LCSS**	Batch ID:	**37248**		RunNo:	**50081**				
Prep Date:	**3/26/2018**	Analysis Date:	**3/26/2018**		SeqNo:	**1621908**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.3	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1803755**

28-Mar-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-37037**	SampType:	**MBLK**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**PBS**	Batch ID:	**37037**	RunNo:	**49948**					
Prep Date:	**3/15/2018**	Analysis Date:	**3/21/2018**	SeqNo:	**1617039**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	**LCS-37037**	SampType:	**LCS**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS**	Batch ID:	**37037**	RunNo:	**49948**					
Prep Date:	**3/15/2018**	Analysis Date:	**3/21/2018**	SeqNo:	**1617040**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	96	20	100.0	0	96.5	64.3	122			

Sample ID	**LCSD-37037**	SampType:	**LCSD**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS02**	Batch ID:	**37037**	RunNo:	**49948**					
Prep Date:	**3/15/2018**	Analysis Date:	**3/21/2018**	SeqNo:	**1617041**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	110	20	100.0	0	110	64.3	122	13.1	20	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1803755**

28-Mar-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-37031**	SampType: **MBLK**		TestCode: **EPA Method 8021B: Volatiles**					
Client ID:	**PBS**	Batch ID: **37031**		RunNo: **49818**					
Prep Date:	**3/14/2018**	Analysis Date: **3/15/2018**		SeqNo: **1612589**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.94		1.000		94.0	80	120			

Sample ID	**LCS-37031**	SampType: **LCS**		TestCode: **EPA Method 8021B: Volatiles**					
Client ID:	**LCSS**	Batch ID: **37031**		RunNo: **49818**					
Prep Date:	**3/14/2018**	Analysis Date: **3/15/2018**		SeqNo: **1612590**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	103	77.3	128			
Toluene	1.0	0.050	1.000	0	102	79.2	125			
Ethylbenzene	1.0	0.050	1.000	0	99.9	80.7	127			
Xylenes, Total	3.1	0.10	3.000	0	102	81.6	129			
Surr: 4-Bromofluorobenzene	0.91		1.000		90.9	80	120			

Sample ID	**1803755-001AMS**	SampType: **MS**		TestCode: **EPA Method 8021B: Volatiles**					
Client ID:	**Cell #1 VZ S-1**	Batch ID: **37031**		RunNo: **49818**					
Prep Date:	**3/14/2018**	Analysis Date: **3/15/2018**		SeqNo: **1612592**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.024	0.9425	0	105	68.5	133			
Toluene	0.99	0.047	0.9425	0.009472	104	75	130			
Ethylbenzene	0.98	0.047	0.9425	0	104	79.4	128			
Xylenes, Total	3.0	0.094	2.828	0	107	77.3	131			
Surr: 4-Bromofluorobenzene	0.83		0.9425		87.6	80	120			

Sample ID	**1803755-001AMSD**	SampType: **MSD**		TestCode: **EPA Method 8021B: Volatiles**					
Client ID:	**Cell #1 VZ S-1**	Batch ID: **37031**		RunNo: **49818**					
Prep Date:	**3/14/2018**	Analysis Date: **3/15/2018**		SeqNo: **1612593**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.024	0.9643	0	96.7	68.5	133	6.02	20	
Toluene	0.93	0.048	0.9643	0.009472	95.3	75	130	6.06	20	
Ethylbenzene	0.93	0.048	0.9643	0	96.0	79.4	128	5.98	20	
Xylenes, Total	2.8	0.096	2.893	0	97.9	77.3	131	6.30	20	
Surr: 4-Bromofluorobenzene	0.83		0.9643		86.1	80	120	0	0	

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1803755 RcptNo: 1

Received By: Anne Thorne 3/14/2018 7:35:00 AM Anne Thorne
Completed By: Anne Thorne 3/14/2018 9:07:18 AM Anne Thorne
Reviewed By: ENM 3/14/18 Verified By DDS

Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☑
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

Client:	**Animas Environmental Services**
Mailing Address:	**604 W. Pinon Street**
	Farmington, NM 87401
Phone #:	**505-564-2281**
email or Fax#:	tknight@animasenvironmental.com
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other_____
□ EDD (Type) _____	

Turn-Around Time:	
X Standard	□ **Rush**_____
Project Name:	**BMG Landfarm**
Project #:	**AES 040605**
Project Manager:	Tami Knight
Sampler: S. Glasses S. Jaquez	
On Ice:	X Yes □ No
Sample Temperature:	1.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 8710

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1803755	BTEX 8021	TPH 418.1	Chlorides 300.0								Air Bubbles (Y or N)
							Analysis Request										
3/13/2018	9:29	Soil	Cell #1 VZ S-1	1 - 4 oz jars	Cool	-001	X	X	X								
3/13/2018	9:47	Soil	Cell #1 VZ S-2	1 - 4 oz jars	Cool	-002	X	X	X								
3/13/2018	10:00	Soil	Cell #1 VZ S-3	1 - 4 oz jars	Cool	-003	X	X	X								
3/13/2018	10:12	Soil	Cell #1 VZ S-4	1 - 4 oz jars	Cool	-004	X	X	X								
3/13/2018	10:26	Soil	Cell #2 VZ S-1	1 - 4 oz jars	Cool	-005	X	X	X								
3/13/2018	10:38	Soil	Cell #2 VZ S-2	1 - 4 oz jars	Cool	-006	X	X	X								
3/13/2018	10:48	Soil	Cell #2 VZ S-3	1 - 4 oz jars	Cool	-007	X	X	X								
3/13/2018	10:59	Soil	Cell #2 VZ S-4	1 - 4 oz jars	Cool	-008	X	X	X								

Chain-of-Custody Record

Client:	**Animas Environmental Services**
Mailing Address:	**604 W. Pinon Street**
	Farmington, NM 87401
Phone #:	**505-564-2281**
email or Fax#:	tknight@animasenvironmental.com
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other_____
□ EDD (Type) _____	

Turn-Around Time:

X Standard □ **Rush**_____

Project Name: **BMG Landfarm**

Project #: **AES 040605**

Project Manager: Tami Knight

Sampler: S. Glasses S. Jaquez

On Ice: X Yes □ No

Sample Temperature: 1.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1803755	BTEX 8021	TPH 418.1	Chlorides 300.0								Air Bubbles (Y or N)
3/13/2018	11:13	Soil	Cell #3 VZ S-1	1 - 4 oz jars	Cool	-09	X	X	X								
3/13/2018	11:26	Soil	Cell #3 VZ S-2	1 - 4 oz jars	Cool	-10	X	X	X								
3/13/2018	11:37	Soil	Cell #3 VZ S-3	1 - 4 oz jars	Cool	-11	X	X	X								
3/13/2018	11:47	Soil	Cell #3 VZ S-4	1 - 4 oz jars	Cool	-12	X	X	X								
3/13/2018	12:03	Soil	Cell #4 VZ S-1	1 - 4 oz jars	Cool	-13	X	X	X								
3/13/2018	12:13	Soil	Cell #4 VZ S-2	1 - 4 oz jars	Cool	-14	X	X	X								
3/13/2018	12:23	Soil	Cell #4 VZ S-3	1 - 4 oz jars	Cool	-15	X	X	X								
3/13/2018	12:34	Soil	Cell #4 VZ S-4	1 - 4 oz jars	Cool	-16	X	X	X								

Date:	Time:	Relinquished by:	Received by:	Date	Time
3/13/18	1633			3/13/18	1633
3/13/18	1824			03/14/18	0735

Remarks: Call if questions.

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

March 28, 2018

Tami Knight
Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX (505) 324-2022

RE: BMG Landfarm OrderNo.: 1803835

Dear Tami Knight:

Hall Environmental Analysis Laboratory received 4 sample(s) on 3/14/2018 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 #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 TZ CS-1
Project: BMG Landfarm
Collection Date: 3/13/2018 10:07:00 AM
Lab ID: 1803835-001 **Matrix:** SOIL **Received Date:** 3/14/2018 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	240	30		mg/Kg	20	3/27/2018 2:10:06 AM	37248
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	49	9.2		mg/Kg	1	3/16/2018 1:52:24 PM	37056
Motor Oil Range Organics (MRO)	160	46		mg/Kg	1	3/16/2018 1:52:24 PM	37056
Surr: DNOP	99.7	70-130		%Rec	1	3/16/2018 1:52:24 PM	37056
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/16/2018 1:16:32 PM	37052
Surr: BFB	91.3	15-316		%Rec	1	3/16/2018 1:16:32 PM	37052

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 TZ CS-1
Project: BMG Landfarm
Collection Date: 3/13/2018 10:54:00 AM
Lab ID: 1803835-002
Matrix: SOIL
Received Date: 3/14/2018 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	30		mg/Kg	20	3/27/2018 2:22:31 AM	37248
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	1500	96		mg/Kg	10	3/16/2018 2:19:41 PM	37056
Motor Oil Range Organics (MRO)	2200	480		mg/Kg	10	3/16/2018 2:19:41 PM	37056
Surr: DNOP	0	70-130	S	%Rec	10	3/16/2018 2:19:41 PM	37056
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/16/2018 5:10:36 PM	37052
Surr: BFB	90.1	15-316		%Rec	1	3/16/2018 5:10:36 PM	37052

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 TZ CS-1
Project: BMG Landfarm
Collection Date: 3/13/2018 11:43:00 AM
Lab ID: 1803835-003 **Matrix:** SOIL **Received Date:** 3/14/2018 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	30		mg/Kg	20	3/27/2018 2:34:56 AM	37248
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	720	95		mg/Kg	10	3/16/2018 12:30:01 PM	37056
Motor Oil Range Organics (MRO)	1200	470		mg/Kg	10	3/16/2018 12:30:01 PM	37056
Surr: DNOP	0	70-130	S	%Rec	10	3/16/2018 12:30:01 PM	37056
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/16/2018 5:33:48 PM	37052
Surr: BFB	92.0	15-316		%Rec	1	3/16/2018 5:33:48 PM	37052

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 TZ CS-1
Project: BMG Landfarm
Collection Date: 3/13/2018 12:29:00 PM
Lab ID: 1803835-004
Matrix: SOIL
Received Date: 3/14/2018 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	30		mg/Kg	20	3/27/2018 2:47:20 AM	37248
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	83	9.5		mg/Kg	1	3/16/2018 1:24:52 PM	37056
Motor Oil Range Organics (MRO)	140	47		mg/Kg	1	3/16/2018 1:24:52 PM	37056
Surr: DNOP	98.0	70-130		%Rec	1	3/16/2018 1:24:52 PM	37056
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/16/2018 5:57:02 PM	37052
Surr: BFB	90.1	15-316		%Rec	1	3/16/2018 5:57:02 PM	37052

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1803835**

28-Mar-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-37248**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**37248**	RunNo:	**50081**					
Prep Date:	**3/26/2018**	Analysis Date:	**3/26/2018**	SeqNo:	**1621907**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-37248**	SampType:	**lcs**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**37248**	RunNo:	**50081**					
Prep Date:	**3/26/2018**	Analysis Date:	**3/26/2018**	SeqNo:	**1621908**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.3	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1803835**

28-Mar-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**LCS-37056**	SampType:	**LCS**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**LCSS**	Batch ID:	**37056**		RunNo:	**49846**				
Prep Date:	**3/15/2018**	Analysis Date:	**3/16/2018**		SeqNo:	**1613305**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	10	50.00	0	80.3	70	130			
Surr: DNOP	4.4		5.000		88.2	70	130			

Sample ID	**MB-37056**	SampType:	**MBLK**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**PBS**	Batch ID:	**37056**		RunNo:	**49846**				
Prep Date:	**3/15/2018**	Analysis Date:	**3/16/2018**		SeqNo:	**1613306**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		89.4	70	130			

Sample ID	**1803835-001AMS**	SampType:	**MS**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**Cell #1 TZ CS-1**	Batch ID:	**37056**		RunNo:	**49846**				
Prep Date:	**3/15/2018**	Analysis Date:	**3/16/2018**		SeqNo:	**1614511**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	98	9.5	47.39	48.95	104	55.8	125			
Surr: DNOP	4.7		4.739		99.0	70	130			

Sample ID	**1803835-001AMSD**	SampType:	**MSD**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**Cell #1 TZ CS-1**	Batch ID:	**37056**		RunNo:	**49846**				
Prep Date:	**3/15/2018**	Analysis Date:	**3/16/2018**		SeqNo:	**1614512**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	90	9.3	46.60	48.95	88.8	55.8	125	8.59	20	
Surr: DNOP	4.6		4.660		98.2	70	130	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1803835**

28-Mar-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-37052**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**PBS**	Batch ID:	**37052**	RunNo:	**49855**					
Prep Date:	**3/15/2018**	Analysis Date:	**3/16/2018**	SeqNo:	**1613937**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	920		1000		92.4	15	316			

Sample ID	**LCS-37052**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSS**	Batch ID:	**37052**	RunNo:	**49855**					
Prep Date:	**3/15/2018**	Analysis Date:	**3/16/2018**	SeqNo:	**1613938**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	105	75.9	131			
Surr: BFB	1000		1000		103	15	316			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1803835** RcptNo: **1**

Received By: **Anne Thorne** **3/14/2018 7:35:00 AM** Anne Thorne

Completed By: **Ashley Gallegos** **3/14/2018 6:08:57 PM** AG

Reviewed By: SRC 03/15/18 labeled by: DDS

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

Client:	**Animas Environmental Services**
Mailing Address:	**604 W. Pinon Street**
	Farmington, NM 87401
Phone #:	**505-564-2281**
email or Fax#:	tknight@animasnenvironmental.com
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other_____
□ EDD (Type) _____	

Turn-Around Time:

X Standard □ **Rush**_____

Project Name:

BMG Landfarm

Project #:

AES 040605

Project Manager:

Tami Knight

Sampler: S. Glasses, S. Jaquez

On Ice: X Yes □ No

Sample Temperature: 1.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1803835	Chlorides 300.0	TPH - GRO, DRO, MRO (8015)									Air Bubbles (Y or N)
3/13/2018	10:07	Soil	Cell #1 TZ CS-1	1 - 4 oz jars	Cool	-001	X	X									
3/13/2018	10:54	Soil	Cell #2 TZ CS-1	1 - 4 oz jars	Cool	-002	X	X									
3/13/2018	11:43	Soil	Cell #3 TZ CS-1	1 - 4 oz jars	Cool	-003	X	X									
3/13/2018	12:29	Soil	Cell #4 TZ CS-1	1 - 4 oz jars	Cool	-004	X	X									

Date: 3/13/18	Time: 1633	Relinquished by:	Received by:	Date 3/13/18	Time 1633
Date: 3/13/18	Time: 1824	Relinquished by: Mitch Walker	Received by:	Date 03/14/18	Time 0735

Remarks: Call if questions.

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

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

April 02, 2018

Tami Knight
Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG Landfarm OrderNo.: 1803845

Dear Tami Knight:

Hall Environmental Analysis Laboratory received 6 sample(s) on 3/15/2018 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 #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1803845**
Date Reported: **4/2/2018**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-1
Project: BMG Landfarm
Collection Date: 3/14/2018 12:22:00 PM
Lab ID: 1803845-001
Matrix: AQUEOUS
Received Date: 3/15/2018 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	26	5.0		mg/L	10	3/20/2018 8:02:12 PM	R49968
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	624	40.0	*D	mg/L	1	3/22/2018 3:08:00 PM	37155
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/15/2018 8:40:06 PM	37049
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/15/2018 8:40:06 PM	37049
Surr: DNOP	106	77.5-161		%Rec	1	3/15/2018 8:40:06 PM	37049
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/19/2018 1:52:00 PM	G49882
Surr: BFB	93.2	69.3-150		%Rec	1	3/19/2018 1:52:00 PM	G49882
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	3/19/2018 1:52:00 PM	B49882
Toluene	ND	1.0		µg/L	1	3/19/2018 1:52:00 PM	B49882
Ethylbenzene	ND	1.0		µg/L	1	3/19/2018 1:52:00 PM	B49882
Xylenes, Total	ND	2.0		µg/L	1	3/19/2018 1:52:00 PM	B49882
Surr: 4-Bromofluorobenzene	86.6	76.6-136		%Rec	1	3/19/2018 1:52:00 PM	B49882

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-2
Project: BMG Landfarm
Collection Date: 3/14/2018 12:58:00 PM
Lab ID: 1803845-002
Matrix: AQUEOUS
Received Date: 3/15/2018 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	790	50	*	mg/L	100	3/20/2018 8:39:26 PM	R49968
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	1980	40.0	*D	mg/L	1	3/22/2018 3:08:00 PM	37155
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/15/2018 9:06:53 PM	37049
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/15/2018 9:06:53 PM	37049
Surr: DNOP	108	77.5-161		%Rec	1	3/15/2018 9:06:53 PM	37049
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/19/2018 6:08:43 PM	G49882
Surr: BFB	94.4	69.3-150		%Rec	1	3/19/2018 6:08:43 PM	G49882
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	3/19/2018 6:08:43 PM	B49882
Toluene	ND	1.0		µg/L	1	3/19/2018 6:08:43 PM	B49882
Ethylbenzene	ND	1.0		µg/L	1	3/19/2018 6:08:43 PM	B49882
Xylenes, Total	ND	2.0		µg/L	1	3/19/2018 6:08:43 PM	B49882
Surr: 4-Bromofluorobenzene	88.2	76.6-136		%Rec	1	3/19/2018 6:08:43 PM	B49882

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-3
Project: BMG Landfarm
Collection Date: 3/14/2018 11:10:00 AM
Lab ID: 1803845-003
Matrix: AQUEOUS
Received Date: 3/15/2018 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	33	5.0		mg/L	10	3/20/2018 8:51:51 PM	R49968
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	612	40.0	*D	mg/L	1	3/22/2018 3:08:00 PM	37155
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/15/2018 9:33:54 PM	37049
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/15/2018 9:33:54 PM	37049
Surr: DNOP	107	77.5-161		%Rec	1	3/15/2018 9:33:54 PM	37049
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/19/2018 6:32:04 PM	G49882
Surr: BFB	92.7	69.3-150		%Rec	1	3/19/2018 6:32:04 PM	G49882
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	3/19/2018 6:32:04 PM	B49882
Toluene	ND	1.0		µg/L	1	3/19/2018 6:32:04 PM	B49882
Ethylbenzene	ND	1.0		µg/L	1	3/19/2018 6:32:04 PM	B49882
Xylenes, Total	ND	2.0		µg/L	1	3/19/2018 6:32:04 PM	B49882
Surr: 4-Bromofluorobenzene	86.2	76.6-136		%Rec	1	3/19/2018 6:32:04 PM	B49882

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-4
Project: BMG Landfarm
Collection Date: 3/14/2018 11:47:00 AM
Lab ID: 1803845-004 **Matrix:** AQUEOUS **Received Date:** 3/15/2018 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	160	50		mg/L	100	3/20/2018 9:29:05 PM	R49968
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	694	40.0	*D	mg/L	1	3/22/2018 3:08:00 PM	37155
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/15/2018 10:01:01 PM	37049
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/15/2018 10:01:01 PM	37049
Surr: DNOP	107	77.5-161		%Rec	1	3/15/2018 10:01:01 PM	37049
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/19/2018 6:55:26 PM	G49882
Surr: BFB	93.8	69.3-150		%Rec	1	3/19/2018 6:55:26 PM	G49882
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	3/19/2018 6:55:26 PM	B49882
Toluene	ND	1.0		µg/L	1	3/19/2018 6:55:26 PM	B49882
Ethylbenzene	ND	1.0		µg/L	1	3/19/2018 6:55:26 PM	B49882
Xylenes, Total	ND	2.0		µg/L	1	3/19/2018 6:55:26 PM	B49882
Surr: 4-Bromofluorobenzene	86.8	76.6-136		%Rec	1	3/19/2018 6:55:26 PM	B49882

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Interstitial Well
Project: BMG Landfarm
Collection Date: 3/14/2018 1:25:00 PM
Lab ID: 1803845-005 **Matrix:** AQUEOUS **Received Date:** 3/15/2018 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	75000	5000	*	mg/L	1E	3/27/2018 6:29:31 PM	R50120
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	122000	2000	*D	mg/L	1	3/22/2018 3:08:00 PM	37155
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**	
Diesel Range Organics (DRO)	4.2	1.0		mg/L	1	3/15/2018 10:28:17 PM	37049
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/15/2018 10:28:17 PM	37049
Surr: DNOP	102	77.5-161		%Rec	1	3/15/2018 10:28:17 PM	37049
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.25	D	mg/L	5	3/19/2018 7:18:45 PM	G49882
Surr: BFB	88.7	69.3-150	D	%Rec	5	3/19/2018 7:18:45 PM	G49882
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	5.0	D	µg/L	5	3/19/2018 7:18:45 PM	B49882
Toluene	ND	5.0	D	µg/L	5	3/19/2018 7:18:45 PM	B49882
Ethylbenzene	ND	5.0	D	µg/L	5	3/19/2018 7:18:45 PM	B49882
Xylenes, Total	ND	10	D	µg/L	5	3/19/2018 7:18:45 PM	B49882
Surr: 4-Bromofluorobenzene	83.7	76.6-136	D	%Rec	5	3/19/2018 7:18:45 PM	B49882

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Trip Blank
Project: BMG Landfarm
Collection Date:
Lab ID: 1803845-006
Matrix: AQUEOUS
Received Date: 3/15/2018 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	3/19/2018 7:42:05 PM	B49882
Toluene	ND	1.0		µg/L	1	3/19/2018 7:42:05 PM	B49882
Ethylbenzene	ND	1.0		µg/L	1	3/19/2018 7:42:05 PM	B49882
Xylenes, Total	ND	2.0		µg/L	1	3/19/2018 7:42:05 PM	B49882
Surr: 4-Bromofluorobenzene	85.9	76.6-136		%Rec	1	3/19/2018 7:42:05 PM	B49882

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1803845**

02-Apr-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R49968**	RunNo:	**49968**					
Prep Date:		Analysis Date:	**3/20/2018**	SeqNo:	**1617869**	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:	**R49968**	RunNo:	**49968**					
Prep Date:		Analysis Date:	**3/20/2018**	SeqNo:	**1617870**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.8	0.50	5.000	0	96.5	90	110			

Sample ID	**MB**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R50120**	RunNo:	**50120**					
Prep Date:		Analysis Date:	**3/27/2018**	SeqNo:	**1623100**	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:	**R50120**	RunNo:	**50120**					
Prep Date:		Analysis Date:	**3/27/2018**	SeqNo:	**1623101**	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	98.9	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1803845**

02-Apr-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**LCS-37049**	SampType:	**LCS**		TestCode:	**EPA Method 8015M/D: Diesel Range**				
Client ID:	**LCSW**	Batch ID:	**37049**		RunNo:	**49817**				
Prep Date:	**3/15/2018**	Analysis Date:	**3/15/2018**		SeqNo:	**1612608**	Units:	**mg/L**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	4.7	1.0	5.000	0	95.0	70	130			
Surr: DNOP	0.51		0.5000		102	77.5	161			

Sample ID	**MB-37049**	SampType:	**MBLK**		TestCode:	**EPA Method 8015M/D: Diesel Range**				
Client ID:	**PBW**	Batch ID:	**37049**		RunNo:	**49817**				
Prep Date:	**3/15/2018**	Analysis Date:	**3/15/2018**		SeqNo:	**1612609**	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	1.1		1.000		106	77.5	161			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1803845**

02-Apr-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**RB**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**PBW**	Batch ID:	**G49882**	RunNo:	**49882**					
Prep Date:		Analysis Date:	**3/19/2018**	SeqNo:	**1615289**	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	19		20.00		92.8	69.3	150			

Sample ID	**2.5UG GRO LCS**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSW**	Batch ID:	**G49882**	RunNo:	**49882**					
Prep Date:		Analysis Date:	**3/19/2018**	SeqNo:	**1615290**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.52	0.050	0.5000	0	103	79.5	127			
Surr: BFB	21		20.00		104	69.3	150			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1803845**

02-Apr-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **RB**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBW**	Batch ID: **B49882**	RunNo: **49882**
Prep Date:	Analysis Date: **3/19/2018**	SeqNo: **1615320** 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	18		20.00		87.6	76.6	136			

Sample ID **100NG BTEX LCS**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSW**	Batch ID: **B49882**	RunNo: **49882**
Prep Date:	Analysis Date: **3/19/2018**	SeqNo: **1615321** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	93.1	73.9	120			
Toluene	19	1.0	20.00	0	94.4	77.3	117			
Ethylbenzene	19	1.0	20.00	0	93.5	78.8	119			
Xylenes, Total	58	2.0	60.00	0	96.4	76.9	121			
Surr: 4-Bromofluorobenzene	18		20.00		92.0	76.6	136			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1803845**

02-Apr-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-37155**	SampType:	**MBLK**	TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**PBW**	Batch ID:	**37155**	RunNo:	**50007**					
Prep Date:	**3/21/2018**	Analysis Date:	**3/22/2018**	SeqNo:	**1619065**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	**LCS-37155**	SampType:	**LCS**	TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**LCSW**	Batch ID:	**37155**	RunNo:	**50007**					
Prep Date:	**3/21/2018**	Analysis Date:	**3/22/2018**	SeqNo:	**1619066**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1000	20.0	1000	0	100	80	120			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1803845 RcptNo: 1

Received By: Anne Thorne 3/15/2018 7:00:00 AM Anne Thorne

Completed By: Anne Thorne 3/15/2018 9:31:08 AM Anne Thorne

Reviewed By: SRC 03/15/18 Labeled By DDS

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

Client:	Animas Environmental Services
Mailing Address:	604 W. Pinon Street Farmington, NM 87401
Phone #:	505-564-2281
email or Fax#:	tknight@animasenvironmental.com
QA/QC Package:	X Standard ☐ Level 4 (Full Validation)
Accreditation:	☐ NELAP ☐ Other_____
☐ EDD (Type)	_____

Turn-Around Time: X Standard ☐ Rush_____

Project Name: BMG Landfarm

Project #: AES 040605

Project Manager: Tami Knight

Sampler: SG

On Ice: X Yes ☐ No

Sample Temperature: 4.1

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX 8021	TPH (GRO/DRO/MRO) 8015	TDS SM2540C	Chlorides 300.0							Air Bubbles (Y or N)
3/14/2018	12:22	H2O	MW-1	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	1803845-001	X	X	X	X							
3/14/2018	12:58	H2O	MW-2	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-002	X	X	X	X							
3/14/2018	11:10	H2O	MW-3	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-003	X	X	X	X							
3/14/2018	11:47	H2O	MW-4	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-004	X	X	X	X							
3/14/2018	13:25	H2O	Interstitial Well	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-005	X	X	X	X							
		H2O	Trip Blank		Cold	-006	X										

						Remarks:
Date: 3/14/18	Time: 1650	Relinquished by:	Received by:	Date: 3/14/18	Time: 1650	
Date: 3/14/18	Time: 1819	Relinquished by:	Received by:	Date: 03/15/18	Time: 0700	

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.

A 03/15/18

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

July 10, 2018

Tami Knight
Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG Evap Pond OrderNo.: 1806752

Dear Tami Knight:

Hall Environmental Analysis Laboratory received 6 sample(s) on 6/13/2018 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
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1806752**
Date Reported: **7/10/2018**

CLIENT: Animas Environmental Services
Client Sample ID: MW-1
Project: BMG Evap Pond
Collection Date: 6/12/2018 8:43:00 AM
Lab ID: 1806752-001 **Matrix:** AQUEOUS **Received Date:** 6/13/2018 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**
Diesel Range Organics (DRO)	1.5	1.0		mg/L	1	6/13/2018 7:11:41 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/13/2018 7:11:41 PM
Surr: DNOP	116	76.7-135		%Rec	1	6/13/2018 7:11:41 PM
EPA METHOD 300.0: ANIONS						Analyst: **JRR**
Chloride	19	5.0		mg/L	10	6/14/2018 2:31:41 AM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	1.0		µg/L	1	6/13/2018 11:46:16 PM
Toluene	ND	1.0		µg/L	1	6/13/2018 11:46:16 PM
Ethylbenzene	ND	1.0		µg/L	1	6/13/2018 11:46:16 PM
Xylenes, Total	ND	1.5		µg/L	1	6/13/2018 11:46:16 PM
Surr: 4-Bromofluorobenzene	114	70-130		%Rec	1	6/13/2018 11:46:16 PM
Surr: Toluene-d8	106	70-130		%Rec	1	6/13/2018 11:46:16 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **AG**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/13/2018 11:46:16 PM
Surr: BFB	109	70-130		%Rec	1	6/13/2018 11:46:16 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **sat**
Total Dissolved Solids	620	20.0	*	mg/L	1	6/15/2018 1:01:00 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-2
Project: BMG Evap Pond
Collection Date: 6/12/2018 9:06:00 AM
Lab ID: 1806752-002
Matrix: AQUEOUS
Received Date: 6/13/2018 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**
Diesel Range Organics (DRO)	1.3	1.0		mg/L	1	6/13/2018 7:36:12 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/13/2018 7:36:12 PM
Surr: DNOP	107	76.7-135		%Rec	1	6/13/2018 7:36:12 PM
EPA METHOD 300.0: ANIONS						Analyst: **JRR**
Chloride	620	50	*	mg/L	100	6/14/2018 3:08:54 AM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	1.0		µg/L	1	6/14/2018 12:55:30 AM
Toluene	ND	1.0		µg/L	1	6/14/2018 12:55:30 AM
Ethylbenzene	ND	1.0		µg/L	1	6/14/2018 12:55:30 AM
Xylenes, Total	ND	1.5		µg/L	1	6/14/2018 12:55:30 AM
Surr: 4-Bromofluorobenzene	115	70-130		%Rec	1	6/14/2018 12:55:30 AM
Surr: Toluene-d8	106	70-130		%Rec	1	6/14/2018 12:55:30 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **AG**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/14/2018 12:55:30 AM
Surr: BFB	110	70-130		%Rec	1	6/14/2018 12:55:30 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **sat**
Total Dissolved Solids	1890	20.0	*	mg/L	1	6/15/2018 1:01:00 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-3
Project: BMG Evap Pond
Collection Date: 6/12/2018 7:23:00 AM
Lab ID: 1806752-003
Matrix: AQUEOUS
Received Date: 6/13/2018 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/13/2018 8:00:31 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/13/2018 8:00:31 PM
Surr: DNOP	114	76.7-135		%Rec	1	6/13/2018 8:00:31 PM
EPA METHOD 300.0: ANIONS						Analyst: **JRR**
Chloride	37	5.0		mg/L	10	6/14/2018 3:46:08 AM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	1.0		µg/L	1	6/14/2018 2:04:35 AM
Toluene	ND	1.0		µg/L	1	6/14/2018 2:04:35 AM
Ethylbenzene	ND	1.0		µg/L	1	6/14/2018 2:04:35 AM
Xylenes, Total	ND	1.5		µg/L	1	6/14/2018 2:04:35 AM
Surr: 4-Bromofluorobenzene	114	70-130		%Rec	1	6/14/2018 2:04:35 AM
Surr: Toluene-d8	107	70-130		%Rec	1	6/14/2018 2:04:35 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **AG**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/14/2018 2:04:35 AM
Surr: BFB	109	70-130		%Rec	1	6/14/2018 2:04:35 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **sat**
Total Dissolved Solids	626	20.0	*	mg/L	1	6/15/2018 1:01:00 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-4
Project: BMG Evap Pond
Collection Date: 6/12/2018 8:02:00 AM
Lab ID: 1806752-004 **Matrix:** AQUEOUS **Received Date:** 6/13/2018 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/13/2018 8:24:53 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/13/2018 8:24:53 PM
Surr: DNOP	117	76.7-135		%Rec	1	6/13/2018 8:24:53 PM
EPA METHOD 300.0: ANIONS						Analyst: **JRR**
Chloride	150	5.0		mg/L	10	6/14/2018 4:10:57 AM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	1.0		µg/L	1	6/14/2018 2:27:34 AM
Toluene	ND	1.0		µg/L	1	6/14/2018 2:27:34 AM
Ethylbenzene	ND	1.0		µg/L	1	6/14/2018 2:27:34 AM
Xylenes, Total	ND	1.5		µg/L	1	6/14/2018 2:27:34 AM
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	1	6/14/2018 2:27:34 AM
Surr: Toluene-d8	107	70-130		%Rec	1	6/14/2018 2:27:34 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **AG**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/14/2018 2:27:34 AM
Surr: BFB	108	70-130		%Rec	1	6/14/2018 2:27:34 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **sat**
Total Dissolved Solids	751	20.0	*	mg/L	1	6/15/2018 1:01:00 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Interstitial Well
Project: BMG Evap Pond
Collection Date: 6/12/2018 9:21:00 AM
Lab ID: 1806752-005 **Matrix:** AQUEOUS **Received Date:** 6/13/2018 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **TOM**
Diesel Range Organics (DRO)	3.7	1.0		mg/L	1	6/13/2018 8:49:10 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/13/2018 8:49:10 PM
Surr: DNOP	115	76.7-135		%Rec	1	6/13/2018 8:49:10 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	75000	5000	*	mg/L	10000	7/8/2018 10:42:17 AM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	1.0		µg/L	1	6/14/2018 2:50:30 AM
Toluene	ND	1.0		µg/L	1	6/14/2018 2:50:30 AM
Ethylbenzene	ND	1.0		µg/L	1	6/14/2018 2:50:30 AM
Xylenes, Total	ND	1.5		µg/L	1	6/14/2018 2:50:30 AM
Surr: 4-Bromofluorobenzene	118	70-130		%Rec	1	6/14/2018 2:50:30 AM
Surr: Toluene-d8	108	70-130		%Rec	1	6/14/2018 2:50:30 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **AG**
Gasoline Range Organics (GRO)	0.11	0.050		mg/L	1	6/14/2018 2:50:30 AM
Surr: BFB	113	70-130		%Rec	1	6/14/2018 2:50:30 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **sat**
Total Dissolved Solids	180000	2000	*D	mg/L	1	6/19/2018 1:33:00 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Trip Blank
Project: BMG Evap Pond
Collection Date:
Lab ID: 1806752-006
Matrix: AQUEOUS
Received Date: 6/13/2018 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **AG**
Benzene	ND	1.0		µg/L	1	6/14/2018 3:13:34 AM
Toluene	ND	1.0		µg/L	1	6/14/2018 3:13:34 AM
Ethylbenzene	ND	1.0		µg/L	1	6/14/2018 3:13:34 AM
Xylenes, Total	ND	1.5		µg/L	1	6/14/2018 3:13:34 AM
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	6/14/2018 3:13:34 AM
Surr: Toluene-d8	106	70-130		%Rec	1	6/14/2018 3:13:34 AM

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1806752**

10-Jul-18

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID	**MB**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**B51968**	RunNo:	**51968**					
Prep Date:		Analysis Date:	**6/14/2018**	SeqNo:	**1699332**	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:	**B51968**	RunNo:	**51968**					
Prep Date:		Analysis Date:	**6/14/2018**	SeqNo:	**1699333**	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	93.7	90	110			

Sample ID	**MB**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R52533**	RunNo:	**52533**					
Prep Date:		Analysis Date:	**7/8/2018**	SeqNo:	**1723180**	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:	**R52533**	RunNo:	**52533**					
Prep Date:		Analysis Date:	**7/8/2018**	SeqNo:	**1723181**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	5.0	0.50	5.000	0	101	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1806752**

10-Jul-18

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID	**LCS-38658**	SampType:	**LCS**		TestCode:	**EPA Method 8015M/D: Diesel Range**				
Client ID:	**LCSW**	Batch ID:	**38658**		RunNo:	**51922**				
Prep Date:	**6/13/2018**	Analysis Date:	**6/13/2018**		SeqNo:	**1697695**	Units:	**mg/L**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	5.3	1.0	5.000	0	106	70	130			
Surr: DNOP	0.51		0.5000		102	76.7	135			

Sample ID	**MB-38658**	SampType:	**MBLK**		TestCode:	**EPA Method 8015M/D: Diesel Range**				
Client ID:	**PBW**	Batch ID:	**38658**		RunNo:	**51922**				
Prep Date:	**6/13/2018**	Analysis Date:	**6/13/2018**		SeqNo:	**1697696**	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	1.1		1.000		106	76.7	135			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1806752**

10-Jul-18

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID **100ng btex lcs**	SampType: **LCS4**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **BatchQC**	Batch ID: **D51942**	RunNo: **51942**
Prep Date:	Analysis Date: **6/13/2018**	SeqNo: **1698306** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	109	80	120			
Toluene	20	1.0	20.00	0	102	80	120			
Ethylbenzene	21	1.0	20.00	0	104	80	120			
Xylenes, Total	60	1.5	60.00	0	99.4	80	120			
Surr: 4-Bromofluorobenzene	10		10.00		100	70	130			
Surr: Toluene-d8	11		10.00		107	70	130			

Sample ID **1806752-002ams**	SampType: **MS4**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **MW-2**	Batch ID: **D51942**	RunNo: **51942**
Prep Date:	Analysis Date: **6/14/2018**	SeqNo: **1698309** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	105	80	120			
Toluene	20	1.0	20.00	0.1558	100	80	120			
Ethylbenzene	20	1.0	20.00	0	101	80	120			
Xylenes, Total	60	1.5	60.00	0.5146	99.1	80	120			
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130			
Surr: Toluene-d8	10		10.00		104	70	130			

Sample ID **1806752-002amsd**	SampType: **MSD4**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **MW-2**	Batch ID: **D51942**	RunNo: **51942**
Prep Date:	Analysis Date: **6/14/2018**	SeqNo: **1698310** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	105	80	120	0.403	20	
Toluene	20	1.0	20.00	0.1558	98.1	80	120	2.09	20	
Ethylbenzene	20	1.0	20.00	0	99.2	80	120	1.58	20	
Xylenes, Total	59	1.5	60.00	0.5146	97.3	80	120	1.80	20	
Surr: 4-Bromofluorobenzene	10		10.00		102	70	130	0	0	
Surr: Toluene-d8	11		10.00		105	70	130	0	0	

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **D51942**	RunNo: **51942**
Prep Date:	Analysis Date: **6/13/2018**	SeqNo: **1698315** 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	1.5								

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1806752**

10-Jul-18

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **D51942**	RunNo: **51942**
Prep Date:	Analysis Date: **6/13/2018**	SeqNo: **1698315** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	11		10.00		114	70	130			
Surr: Toluene-d8	11		10.00		108	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1806752**

10-Jul-18

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID	**1806752-001ams**	SampType:	**MS**		TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**MW-1**	Batch ID:	**B51942**		RunNo:	**51942**					
Prep Date:		Analysis Date:	**6/14/2018**		SeqNo:	**1698238**	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	0.01400	97.0	63.4	130			
Surr: BFB		10		10.00		102	70	130			

Sample ID	**1806752-001amsd**	SampType:	**MSD**		TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**MW-1**	Batch ID:	**B51942**		RunNo:	**51942**					
Prep Date:		Analysis Date:	**6/14/2018**		SeqNo:	**1698239**	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	0.01400	90.6	63.4	130	6.63	20	
Surr: BFB		10		10.00		103	70	130	0	0	

Sample ID	**2.5ug gro lcs2**	SampType:	**LCS**		TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSW**	Batch ID:	**B51942**		RunNo:	**51942**					
Prep Date:		Analysis Date:	**6/13/2018**		SeqNo:	**1698245**	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	101	70	130			
Surr: BFB		10		10.00		102	70	130			

Sample ID	**rb2**	SampType:	**MBLK**		TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**PBW**	Batch ID:	**B51942**		RunNo:	**51942**					
Prep Date:		Analysis Date:	**6/13/2018**		SeqNo:	**1698246**	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		11		10.00		111	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1806752**

10-Jul-18

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID	**MB-38675**	SampType:	**MBLK**		TestCode:	**SM2540C MOD: Total Dissolved Solids**				
Client ID:	**PBW**	Batch ID:	**38675**		RunNo:	**52038**				
Prep Date:	**6/14/2018**	Analysis Date:	**6/15/2018**		SeqNo:	**1702120**	Units:	**mg/L**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	**LCS-38675**	SampType:	**LCS**		TestCode:	**SM2540C MOD: Total Dissolved Solids**				
Client ID:	**LCSW**	Batch ID:	**38675**		RunNo:	**52038**				
Prep Date:	**6/14/2018**	Analysis Date:	**6/15/2018**		SeqNo:	**1702121**	Units:	**mg/L**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1010	20.0	1000	0	101	80	120			

Sample ID	**MB-38730**	SampType:	**MBLK**		TestCode:	**SM2540C MOD: Total Dissolved Solids**				
Client ID:	**PBW**	Batch ID:	**38730**		RunNo:	**52082**				
Prep Date:	**6/18/2018**	Analysis Date:	**6/19/2018**		SeqNo:	**1704276**	Units:	**mg/L**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	**LCS-38730**	SampType:	**LCS**		TestCode:	**SM2540C MOD: Total Dissolved Solids**				
Client ID:	**LCSW**	Batch ID:	**38730**		RunNo:	**52082**				
Prep Date:	**6/18/2018**	Analysis Date:	**6/19/2018**		SeqNo:	**1704277**	Units:	**mg/L**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	999	20.0	1000	0	99.9	80	120			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental | Work Order Number: 1806752 | RcptNo: 1

Received By: Anne Thorne 6/13/2018 7:00:00 AM

Completed By: Isaiah Ortiz 6/13/2018 9:34:31 AM

Reviewed By: ENM 6/13/18
Lb: JB 06/13/18

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

MJ 07/10/18

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: JB 06/13/18

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.3	Good	Yes			

Chain-of-Custody Record

Client:	Animas Environmental Services
Mailing Address:	604 W. Pinon Street Farmington, NM 87401
Phone #:	505-564-2281
email or Fax#:	tknight@animasenvironmental.com
QA/QC Package:	X Standard ☐ Level 4 (Full Validation)
Accreditation:	☐ NELAP ☐ Other ☐ EDD (Type)

Turn-Around Time: X Standard ☐ Rush

Project Name: BMG Evap Pond

Project #: AES 040605

Project Manager: Tami Knight

Sampler: SG/SJ

On Ice: X Yes ☐ No

Sample Temperature: 2.3-CF-1.0=1.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1806752	BTEX 8021	TPH (GRO/DRO/MRO) 8015	TDS SM2540C	Chlorides 300.0	Air Bubbles (Y or N)
6/12/2018	8:43	H2O	MW-1	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-001	X	X	X	X	
6/12/2018	9:06	H2O	MW-2	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-002	X	X	X	X	
6/12/2018	7:23	H2O	MW-3	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-003	X	X	X	X	
6/12/2018	8:02	H2O	MW-4	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-004	X	X	X	X	
6/12/2018	9:21	H2O	Interstitial Well	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-005	X	X	X	X	
		H2O	Trip Blank		Cold	-006	X				

Date: 6/12/18	Time: 1734	Relinquished by:	Received by:	Date 6/12/18	Time 1734
Date: 6/12/18	Time: 1854	Relinquished by:	Received by:	Date 06/13/18	Time 0700

Remarks:

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

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

July 30, 2018

Tami Knight
Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX (505) 324-2022

RE: BMG Landfarm OrderNo.: 1807C99

Dear Tami Knight:

Hall Environmental Analysis Laboratory received 16 sample(s) on 7/25/2018 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
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-1
Project: BMG Landfarm
Collection Date: 7/24/2018 9:18:00 AM
Lab ID: 1807C99-001 **Matrix:** SOIL
Received Date: 7/25/2018 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/27/2018 2:17:51 PM	39408
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/27/2018 2:17:51 PM	39408
Surr: DNOP	104	50.6-138		%Rec	1	7/27/2018 2:17:51 PM	39408
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/26/2018 2:17:43 PM	39400
Surr: BFB	96.6	15-316		%Rec	1	7/26/2018 2:17:43 PM	39400
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	7/26/2018 2:17:43 PM	39400
Toluene	ND	0.047		mg/Kg	1	7/26/2018 2:17:43 PM	39400
Ethylbenzene	ND	0.047		mg/Kg	1	7/26/2018 2:17:43 PM	39400
Xylenes, Total	ND	0.093		mg/Kg	1	7/26/2018 2:17:43 PM	39400
Surr: 4-Bromofluorobenzene	107	80-120		%Rec	1	7/26/2018 2:17:43 PM	39400

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-2
Project: BMG Landfarm
Collection Date: 7/24/2018 9:31:00 AM
Lab ID: 1807C99-002 **Matrix:** SOIL **Received Date:** 7/25/2018 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/27/2018 3:56:29 PM	39408
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/27/2018 3:56:29 PM	39408
Surr: DNOP	103	50.6-138		%Rec	1	7/27/2018 3:56:29 PM	39408
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/26/2018 3:28:59 PM	39400
Surr: BFB	101	15-316		%Rec	1	7/26/2018 3:28:59 PM	39400
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	7/26/2018 3:28:59 PM	39400
Toluene	ND	0.049		mg/Kg	1	7/26/2018 3:28:59 PM	39400
Ethylbenzene	ND	0.049		mg/Kg	1	7/26/2018 3:28:59 PM	39400
Xylenes, Total	ND	0.098		mg/Kg	1	7/26/2018 3:28:59 PM	39400
Surr: 4-Bromofluorobenzene	112	80-120		%Rec	1	7/26/2018 3:28:59 PM	39400

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-3
Project: BMG Landfarm
Collection Date: 7/24/2018 9:43:00 AM
Lab ID: 1807C99-003 **Matrix:** SOIL **Received Date:** 7/25/2018 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/27/2018 4:21:04 PM	39408
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/27/2018 4:21:04 PM	39408
Surr: DNOP	113	50.6-138		%Rec	1	7/27/2018 4:21:04 PM	39408
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/26/2018 4:40:24 PM	39400
Surr: BFB	97.7	15-316		%Rec	1	7/26/2018 4:40:24 PM	39400
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	7/26/2018 4:40:24 PM	39400
Toluene	ND	0.049		mg/Kg	1	7/26/2018 4:40:24 PM	39400
Ethylbenzene	ND	0.049		mg/Kg	1	7/26/2018 4:40:24 PM	39400
Xylenes, Total	ND	0.099		mg/Kg	1	7/26/2018 4:40:24 PM	39400
Surr: 4-Bromofluorobenzene	109	80-120		%Rec	1	7/26/2018 4:40:24 PM	39400

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-4
Project: BMG Landfarm
Collection Date: 7/24/2018 9:53:00 AM
Lab ID: 1807C99-004 **Matrix:** SOIL **Received Date:** 7/25/2018 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/27/2018 4:45:15 PM	39408
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/27/2018 4:45:15 PM	39408
Surr: DNOP	108	50.6-138		%Rec	1	7/27/2018 4:45:15 PM	39408
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/26/2018 5:04:05 PM	39400
Surr: BFB	96.1	15-316		%Rec	1	7/26/2018 5:04:05 PM	39400
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	7/26/2018 5:04:05 PM	39400
Toluene	ND	0.050		mg/Kg	1	7/26/2018 5:04:05 PM	39400
Ethylbenzene	ND	0.050		mg/Kg	1	7/26/2018 5:04:05 PM	39400
Xylenes, Total	ND	0.099		mg/Kg	1	7/26/2018 5:04:05 PM	39400
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	7/26/2018 5:04:05 PM	39400

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-1
Project: BMG Landfarm
Collection Date: 7/24/2018 10:05:00 AM
Lab ID: 1807C99-005 **Matrix:** SOIL
Received Date: 7/25/2018 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/27/2018 5:09:33 PM	39408
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/27/2018 5:09:33 PM	39408
Surr: DNOP	111	50.6-138		%Rec	1	7/27/2018 5:09:33 PM	39408
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/26/2018 5:27:46 PM	39400
Surr: BFB	99.0	15-316		%Rec	1	7/26/2018 5:27:46 PM	39400
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	7/26/2018 5:27:46 PM	39400
Toluene	ND	0.050		mg/Kg	1	7/26/2018 5:27:46 PM	39400
Ethylbenzene	ND	0.050		mg/Kg	1	7/26/2018 5:27:46 PM	39400
Xylenes, Total	ND	0.10		mg/Kg	1	7/26/2018 5:27:46 PM	39400
Surr: 4-Bromofluorobenzene	109	80-120		%Rec	1	7/26/2018 5:27:46 PM	39400

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-2
Project: BMG Landfarm
Collection Date: 7/24/2018 10:16:00 AM
Lab ID: 1807C99-006 **Matrix:** SOIL **Received Date:** 7/25/2018 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/27/2018 5:33:57 PM	39408
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/27/2018 5:33:57 PM	39408
Surr: DNOP	109	50.6-138		%Rec	1	7/27/2018 5:33:57 PM	39408
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/26/2018 5:51:30 PM	39400
Surr: BFB	98.7	15-316		%Rec	1	7/26/2018 5:51:30 PM	39400
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	7/26/2018 5:51:30 PM	39400
Toluene	ND	0.046		mg/Kg	1	7/26/2018 5:51:30 PM	39400
Ethylbenzene	ND	0.046		mg/Kg	1	7/26/2018 5:51:30 PM	39400
Xylenes, Total	ND	0.092		mg/Kg	1	7/26/2018 5:51:30 PM	39400
Surr: 4-Bromofluorobenzene	108	80-120		%Rec	1	7/26/2018 5:51:30 PM	39400

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-3
Project: BMG Landfarm
Collection Date: 7/24/2018 10:28:00 AM
Lab ID: 1807C99-007 **Matrix:** SOIL **Received Date:** 7/25/2018 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	7/27/2018 5:58:26 PM	39408
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/27/2018 5:58:26 PM	39408
Surr: DNOP	108	50.6-138		%Rec	1	7/27/2018 5:58:26 PM	39408
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/27/2018 12:55:00 AM	39400
Surr: BFB	94.6	15-316		%Rec	1	7/27/2018 12:55:00 AM	39400
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	7/27/2018 12:55:00 AM	39400
Toluene	ND	0.047		mg/Kg	1	7/27/2018 12:55:00 AM	39400
Ethylbenzene	ND	0.047		mg/Kg	1	7/27/2018 12:55:00 AM	39400
Xylenes, Total	ND	0.094		mg/Kg	1	7/27/2018 12:55:00 AM	39400
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	7/27/2018 12:55:00 AM	39400

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-4
Project: BMG Landfarm
Collection Date: 7/24/2018 10:39:00 AM
Lab ID: 1807C99-008 **Matrix:** SOIL
Received Date: 7/25/2018 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	7/27/2018 6:22:51 PM	39408
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/27/2018 6:22:51 PM	39408
Surr: DNOP	110	50.6-138		%Rec	1	7/27/2018 6:22:51 PM	39408
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/27/2018 1:18:10 AM	39400
Surr: BFB	90.1	15-316		%Rec	1	7/27/2018 1:18:10 AM	39400
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	7/27/2018 1:18:10 AM	39400
Toluene	ND	0.050		mg/Kg	1	7/27/2018 1:18:10 AM	39400
Ethylbenzene	ND	0.050		mg/Kg	1	7/27/2018 1:18:10 AM	39400
Xylenes, Total	ND	0.10		mg/Kg	1	7/27/2018 1:18:10 AM	39400
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	7/27/2018 1:18:10 AM	39400

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-1
Project: BMG Landfarm
Collection Date: 7/24/2018 10:54:00 AM
Lab ID: 1807C99-009 **Matrix:** SOIL
Received Date: 7/25/2018 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/27/2018 7:11:49 PM	39408
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/27/2018 7:11:49 PM	39408
Surr: DNOP	102	50.6-138		%Rec	1	7/27/2018 7:11:49 PM	39408
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/27/2018 1:41:24 AM	39400
Surr: BFB	91.1	15-316		%Rec	1	7/27/2018 1:41:24 AM	39400
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	7/27/2018 1:41:24 AM	39400
Toluene	ND	0.047		mg/Kg	1	7/27/2018 1:41:24 AM	39400
Ethylbenzene	ND	0.047		mg/Kg	1	7/27/2018 1:41:24 AM	39400
Xylenes, Total	ND	0.094		mg/Kg	1	7/27/2018 1:41:24 AM	39400
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	7/27/2018 1:41:24 AM	39400

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-2
Project: BMG Landfarm
Collection Date: 7/24/2018 11:05:00 AM
Lab ID: 1807C99-010 **Matrix:** SOIL
Received Date: 7/25/2018 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	7/27/2018 7:36:24 PM	39408
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/27/2018 7:36:24 PM	39408
Surr: DNOP	106	50.6-138		%Rec	1	7/27/2018 7:36:24 PM	39408
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/27/2018 2:04:33 AM	39400
Surr: BFB	91.8	15-316		%Rec	1	7/27/2018 2:04:33 AM	39400
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	7/27/2018 2:04:33 AM	39400
Toluene	ND	0.047		mg/Kg	1	7/27/2018 2:04:33 AM	39400
Ethylbenzene	ND	0.047		mg/Kg	1	7/27/2018 2:04:33 AM	39400
Xylenes, Total	ND	0.094		mg/Kg	1	7/27/2018 2:04:33 AM	39400
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	7/27/2018 2:04:33 AM	39400

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-3
Project: BMG Landfarm
Collection Date: 7/24/2018 11:15:00 AM
Lab ID: 1807C99-011 **Matrix:** SOIL **Received Date:** 7/25/2018 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/27/2018 8:00:40 PM	39408
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/27/2018 8:00:40 PM	39408
Surr: DNOP	115	50.6-138		%Rec	1	7/27/2018 8:00:40 PM	39408
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/27/2018 2:27:47 AM	39400
Surr: BFB	91.6	15-316		%Rec	1	7/27/2018 2:27:47 AM	39400
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	7/27/2018 2:27:47 AM	39400
Toluene	ND	0.050		mg/Kg	1	7/27/2018 2:27:47 AM	39400
Ethylbenzene	ND	0.050		mg/Kg	1	7/27/2018 2:27:47 AM	39400
Xylenes, Total	ND	0.10		mg/Kg	1	7/27/2018 2:27:47 AM	39400
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	7/27/2018 2:27:47 AM	39400

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-4
Project: BMG Landfarm
Collection Date: 7/24/2018 11:26:00 AM
Lab ID: 1807C99-012 **Matrix:** SOIL **Received Date:** 7/25/2018 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/27/2018 8:25:09 PM	39408
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/27/2018 8:25:09 PM	39408
Surr: DNOP	115	50.6-138		%Rec	1	7/27/2018 8:25:09 PM	39408
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/27/2018 2:50:57 AM	39400
Surr: BFB	91.4	15-316		%Rec	1	7/27/2018 2:50:57 AM	39400
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	7/27/2018 2:50:57 AM	39400
Toluene	ND	0.048		mg/Kg	1	7/27/2018 2:50:57 AM	39400
Ethylbenzene	ND	0.048		mg/Kg	1	7/27/2018 2:50:57 AM	39400
Xylenes, Total	ND	0.095		mg/Kg	1	7/27/2018 2:50:57 AM	39400
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	7/27/2018 2:50:57 AM	39400

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-1
Project: BMG Landfarm
Collection Date: 7/24/2018 11:40:00 AM
Lab ID: 1807C99-013 **Matrix:** SOIL **Received Date:** 7/25/2018 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/27/2018 8:49:32 PM	39408
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/27/2018 8:49:32 PM	39408
Surr: DNOP	100	50.6-138		%Rec	1	7/27/2018 8:49:32 PM	39408
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/27/2018 3:14:12 AM	39400
Surr: BFB	90.5	15-316		%Rec	1	7/27/2018 3:14:12 AM	39400
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	7/27/2018 3:14:12 AM	39400
Toluene	ND	0.046		mg/Kg	1	7/27/2018 3:14:12 AM	39400
Ethylbenzene	ND	0.046		mg/Kg	1	7/27/2018 3:14:12 AM	39400
Xylenes, Total	ND	0.092		mg/Kg	1	7/27/2018 3:14:12 AM	39400
Surr: 4-Bromofluorobenzene	99.7	80-120		%Rec	1	7/27/2018 3:14:12 AM	39400

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-2
Project: BMG Landfarm
Collection Date: 7/24/2018 11:50:00 AM
Lab ID: 1807C99-014 **Matrix:** SOIL **Received Date:** 7/25/2018 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/27/2018 9:13:44 PM	39408
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/27/2018 9:13:44 PM	39408
Surr: DNOP	92.5	50.6-138		%Rec	1	7/27/2018 9:13:44 PM	39408
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/27/2018 3:37:31 AM	39400
Surr: BFB	89.7	15-316		%Rec	1	7/27/2018 3:37:31 AM	39400
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	7/27/2018 3:37:31 AM	39400
Toluene	ND	0.049		mg/Kg	1	7/27/2018 3:37:31 AM	39400
Ethylbenzene	ND	0.049		mg/Kg	1	7/27/2018 3:37:31 AM	39400
Xylenes, Total	ND	0.098		mg/Kg	1	7/27/2018 3:37:31 AM	39400
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	7/27/2018 3:37:31 AM	39400

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-3
Project: BMG Landfarm
Collection Date: 7/24/2018 12:02:00 PM
Lab ID: 1807C99-015 **Matrix:** SOIL **Received Date:** 7/25/2018 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	7/27/2018 9:38:09 PM	39408
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/27/2018 9:38:09 PM	39408
Surr: DNOP	88.8	50.6-138		%Rec	1	7/27/2018 9:38:09 PM	39408
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/27/2018 4:00:43 AM	39400
Surr: BFB	91.4	15-316		%Rec	1	7/27/2018 4:00:43 AM	39400
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	7/27/2018 4:00:43 AM	39400
Toluene	ND	0.048		mg/Kg	1	7/27/2018 4:00:43 AM	39400
Ethylbenzene	ND	0.048		mg/Kg	1	7/27/2018 4:00:43 AM	39400
Xylenes, Total	ND	0.097		mg/Kg	1	7/27/2018 4:00:43 AM	39400
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	7/27/2018 4:00:43 AM	39400

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-4
Project: BMG Landfarm
Collection Date: 7/24/2018 12:16:00 PM
Lab ID: 1807C99-016 **Matrix:** SOIL **Received Date:** 7/25/2018 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/27/2018 10:02:24 PM	39408
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/27/2018 10:02:24 PM	39408
Surr: DNOP	64.2	50.6-138		%Rec	1	7/27/2018 10:02:24 PM	39408
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/27/2018 4:23:57 AM	39400
Surr: BFB	92.3	15-316		%Rec	1	7/27/2018 4:23:57 AM	39400
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	7/27/2018 4:23:57 AM	39400
Toluene	ND	0.048		mg/Kg	1	7/27/2018 4:23:57 AM	39400
Ethylbenzene	ND	0.048		mg/Kg	1	7/27/2018 4:23:57 AM	39400
Xylenes, Total	ND	0.096		mg/Kg	1	7/27/2018 4:23:57 AM	39400
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	7/27/2018 4:23:57 AM	39400

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1807C99**

30-Jul-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-39408**	SampType:	**MBLK**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**PBS**	Batch ID:	**39408**		RunNo:	**52987**				
Prep Date:	**7/25/2018**	Analysis Date:	**7/26/2018**		SeqNo:	**1741988**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.5		10.00		84.5	50.6	138			

Sample ID	**LCS-39408**	SampType:	**LCS**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**LCSS**	Batch ID:	**39408**		RunNo:	**52987**				
Prep Date:	**7/25/2018**	Analysis Date:	**7/26/2018**		SeqNo:	**1741989**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	10	50.00	0	108	70	130			
Surr: DNOP	4.7		5.000		93.6	50.6	138			

Sample ID	**1807C99-001AMS**	SampType:	**MS**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**Cell #1 VZ S-1**	Batch ID:	**39408**		RunNo:	**53014**				
Prep Date:	**7/25/2018**	Analysis Date:	**7/27/2018**		SeqNo:	**1744036**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	9.9	49.26	0	112	53.5	126			
Surr: DNOP	5.4		4.926		110	50.6	138			

Sample ID	**1807C99-001AMSD**	SampType:	**MSD**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**Cell #1 VZ S-1**	Batch ID:	**39408**		RunNo:	**53014**				
Prep Date:	**7/25/2018**	Analysis Date:	**7/27/2018**		SeqNo:	**1744169**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	9.9	49.31	0	101	53.5	126	9.76	21.7	
Surr: DNOP	5.2		4.931		105	50.6	138	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1807C99**

30-Jul-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-39400**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**PBS**	Batch ID:	**39400**	RunNo:	**53009**					
Prep Date:	**7/25/2018**	Analysis Date:	**7/26/2018**	SeqNo:	**1742461**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	920		1000		91.8	15	316			

Sample ID	**LCS-39400**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSS**	Batch ID:	**39400**	RunNo:	**53009**					
Prep Date:	**7/25/2018**	Analysis Date:	**7/26/2018**	SeqNo:	**1742462**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	111	75.9	131			
Surr: BFB	1000		1000		104	15	316			

Sample ID	**1807C99-001AMS**	SampType:	**MS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**Cell #1 VZ S-1**	Batch ID:	**39400**	RunNo:	**53009**					
Prep Date:	**7/25/2018**	Analysis Date:	**7/26/2018**	SeqNo:	**1742464**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	32	4.8	23.79	0	133	77.8	128			S
Surr: BFB	1100		951.5		112	15	316			

Sample ID	**1807C99-001AMSD**	SampType:	**MSD**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**Cell #1 VZ S-1**	Batch ID:	**39400**	RunNo:	**53009**					
Prep Date:	**7/25/2018**	Analysis Date:	**7/26/2018**	SeqNo:	**1742465**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	35	4.8	23.95	0	145	77.8	128	9.27	20	S
Surr: BFB	1100		957.9		113	15	316	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1807C99**

30-Jul-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-39400**	SampType: **MBLK**		TestCode: **EPA Method 8021B: Volatiles**					
Client ID:	**PBS**	Batch ID: **39400**		RunNo: **53009**					
Prep Date:	**7/25/2018**	Analysis Date: **7/26/2018**		SeqNo: **1742505**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Sample ID	**LCS-39400**	SampType: **LCS**		TestCode: **EPA Method 8021B: Volatiles**					
Client ID:	**LCSS**	Batch ID: **39400**		RunNo: **53009**					
Prep Date:	**7/25/2018**	Analysis Date: **7/26/2018**		SeqNo: **1742506**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	93.6	77.3	128			
Toluene	0.97	0.050	1.000	0	97.1	79.2	125			
Ethylbenzene	0.95	0.050	1.000	0	95.3	80.7	127			
Xylenes, Total	2.9	0.10	3.000	0	97.9	81.6	129			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120			

Sample ID	**1807C99-002AMS**	SampType: **MS**		TestCode: **EPA Method 8021B: Volatiles**					
Client ID:	**Cell #1 VZ S-2**	Batch ID: **39400**		RunNo: **53009**					
Prep Date:	**7/25/2018**	Analysis Date: **7/26/2018**		SeqNo: **1742509**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9756	0	103	68.5	133			
Toluene	1.0	0.049	0.9756	0.01031	107	75	130			
Ethylbenzene	1.0	0.049	0.9756	0	106	79.4	128			
Xylenes, Total	3.2	0.098	2.927	0.01503	109	77.3	131			
Surr: 4-Bromofluorobenzene	1.1		0.9756		114	80	120			

Sample ID	**1807C99-002AMSD**	SampType: **MSD**		TestCode: **EPA Method 8021B: Volatiles**					
Client ID:	**Cell #1 VZ S-2**	Batch ID: **39400**		RunNo: **53009**					
Prep Date:	**7/25/2018**	Analysis Date: **7/26/2018**		SeqNo: **1742510**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.024	0.9579	0	98.2	68.5	133	6.33	20	
Toluene	0.99	0.048	0.9579	0.01031	102	75	130	6.12	20	
Ethylbenzene	0.97	0.048	0.9579	0	101	79.4	128	6.97	20	
Xylenes, Total	3.0	0.096	2.874	0.01503	104	77.3	131	6.34	20	
Surr: 4-Bromofluorobenzene	1.0		0.9579		109	80	120	0	0	

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1807C99 RcptNo: 1

Received By: Isaiah Ortiz 7/25/2018 7:20:00 AM IO JAB 07/25/18

Completed By: Ashley Gallegos 7/25/2018 7:48:05 AM AG

Reviewed By: JAB 07/26/18 Labeled by: ENM 7/25/18

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
Adjusted? _____
Checked by: _____
ENM 7/25/18

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified:		Date	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.3	Good	Yes			

Chain-of-Custody Record

Client:	**Animas Environmental Services**
Mailing Address:	**604 W. Pinon Street**
	Farmington, NM 87401
Phone #:	**505-564-2281**
email or Fax#:	tknight@animasenvironmental.com
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other_____
□ EDD (Type) _____	

Turn-Around Time:

X Standard □ Rush_____

Project Name: **BMG Landfarm**

Project #: **AES 040605**

Project Manager: Tami Knight

Sampler: S. Glasses / S. Jaquez

On Ice: X Yes □ No

Sample Temperature: 3.3 + 0.0 (cr) 2.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 8710

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	TPH - 8015 (GRO + DRO + MRO)	BTEX 8021								Air Bubbles (Y or N)
						Analysis Request										
7/24/2018	9:18	Soil	Cell #1 VZ S-1	1 - 4 oz jars	Cool	1807C99-001	X	X								
7/24/2018	9:31	Soil	Cell #1 VZ S-2	1 - 4 oz jars	Cool	-002	X	X								
7/24/2018	9:43	Soil	Cell #1 VZ S-3	1 - 4 oz jars	Cool	-003	X	X								
7/24/2018	9:53	Soil	Cell #1 VZ S-4	1 - 4 oz jars	Cool	-004	X	X								
7/24/2018	10:05	Soil	Cell #2 VZ S-1	1 - 4 oz jars	Cool	-005	X	X								
7/24/2018	10:16	Soil	Cell #2 VZ S-2	1 - 4 oz jars	Cool	-006	X	X								
7/24/2018	10:28	Soil	Cell #2 VZ S-3	1 - 4 oz jars	Cool	-007	X	X								
7/24/2018	10:39	Soil	Cell #2 VZ S-4	1 - 4 oz jars	Cool	-008	X	X								

Chain-of-Custody Record

Client:	**Animas Environmental Services**
Mailing Address:	**604 W. Pinon Street**
	Farmington, NM 87401
Phone #:	**505-564-2281**
email or Fax#:	tknight@animasenvironmental.com
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other_____
□ EDD (Type) _____	

Turn-Around Time:

X Standard □ **Rush**_____

Project Name: **BMG Landfarm**

Project #: **AES 040605**

Project Manager: Tami Knight

Sampler: S. Glasses / S. Jaquez

On Ice: X Yes □ No

Sample Temperature: 3.3 - 2.0 (cf) 23

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1807099	TPH - 8015 (GRO + DRO + MRO)	BTEX 8021								Air Bubbles (Y or N)
7/24/2018	10:54	Soil	Cell #3 VZ S-1	1 - 4 oz jars	Cool	-009	X	X								
7/24/2018	11:05	Soil	Cell #3 VZ S-2	1 - 4 oz jars	Cool	-010	X	X								
7/24/2018	11:15	Soil	Cell #3 VZ S-3	1 - 4 oz jars	Cool	-011	X	X								
7/24/2018	11:26	Soil	Cell #3 VZ S-4	1 - 4 oz jars	Cool	-012	X	X								
7/24/2018	11:40	Soil	Cell #4 VZ S-1	1 - 4 oz jars	Cool	-013	X	X								
7/24/2018	11:50	Soil	Cell #4 VZ S-2	1 - 4 oz jars	Cool	-0014	X	X								
7/24/2018	12:02	Soil	Cell #4 VZ S-3	1 - 4 oz jars	Cool	-015	X	X								
7/24/2018	12:16	Soil	Cell #4 VZ S-4	1 - 4 oz jars	Cool	-016	X	X								

Date	Time	Relinquished by:	Received by:	Date	Time
7-24-18	1813		Mustie Wade	7/24/18	1813
7/24/18	1814	Mustie Wade	Courier	7/25/18	0720

Remarks: Call if questions.

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.

TO 7/25/18

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

October 05, 2018

Tami Knight
Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG Evap Pond OrderNo.: 1809C66

Dear Tami Knight:

Hall Environmental Analysis Laboratory received 7 sample(s) on 9/19/2018 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
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1809C66**
Date Reported: **10/5/2018**

CLIENT: Animas Environmental Services
Client Sample ID: MW-1
Project: BMG Evap Pond
Collection Date: 9/17/2018 4:05:00 PM
Lab ID: 1809C66-001
Matrix: AQUEOUS
Received Date: 9/19/2018 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	16	5.0		mg/L	10	10/2/2018 7:02:07 PM	R54595
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	570	200	*D	mg/L	1	9/25/2018 4:09:00 PM	40543
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **lrm**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/25/2018 6:19:02 PM	40544
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/25/2018 6:19:02 PM	40544
Surr: DNOP	123	76.7-135		%Rec	1	9/25/2018 6:19:02 PM	40544
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/21/2018 1:50:11 PM	G54343
Surr: BFB	94.8	69.3-150		%Rec	1	9/21/2018 1:50:11 PM	G54343
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	9/21/2018 1:50:11 PM	B54343
Toluene	ND	1.0		µg/L	1	9/21/2018 1:50:11 PM	B54343
Ethylbenzene	ND	1.0		µg/L	1	9/21/2018 1:50:11 PM	B54343
Xylenes, Total	ND	2.0		µg/L	1	9/21/2018 1:50:11 PM	B54343
Surr: 4-Bromofluorobenzene	95.2	76.6-136		%Rec	1	9/21/2018 1:50:11 PM	B54343

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-2
Project: BMG Evap Pond
Collection Date: 9/17/2018 3:40:00 PM
Lab ID: 1809C66-002
Matrix: AQUEOUS
Received Date: 9/19/2018 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	580	50	*	mg/L	100	10/2/2018 8:32:09 PM	R54595
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	1750	200	*D	mg/L	1	9/25/2018 4:09:00 PM	40543
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **lrm**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/25/2018 7:25:00 PM	40544
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/25/2018 7:25:00 PM	40544
Surr: DNOP	125	76.7-135		%Rec	1	9/25/2018 7:25:00 PM	40544
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/21/2018 8:02:42 PM	G54343
Surr: BFB	96.9	69.3-150		%Rec	1	9/21/2018 8:02:42 PM	G54343
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	9/21/2018 8:02:42 PM	B54343
Toluene	ND	1.0		µg/L	1	9/21/2018 8:02:42 PM	B54343
Ethylbenzene	ND	1.0		µg/L	1	9/21/2018 8:02:42 PM	B54343
Xylenes, Total	ND	2.0		µg/L	1	9/21/2018 8:02:42 PM	B54343
Surr: 4-Bromofluorobenzene	96.8	76.6-136		%Rec	1	9/21/2018 8:02:42 PM	B54343

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-3
Project: BMG Evap Pond
Collection Date: 9/17/2018 3:03:00 PM
Lab ID: 1809C66-003 **Matrix:** AQUEOUS **Received Date:** 9/19/2018 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	62	5.0		mg/L	10	10/2/2018 8:45:01 PM	R54595
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	640	100	*D	mg/L	1	9/25/2018 4:09:00 PM	40543
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **lrm**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/25/2018 7:46:57 PM	40544
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/25/2018 7:46:57 PM	40544
Surr: DNOP	124	76.7-135		%Rec	1	9/25/2018 7:46:57 PM	40544
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/21/2018 8:26:04 PM	G54343
Surr: BFB	93.7	69.3-150		%Rec	1	9/21/2018 8:26:04 PM	G54343
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	9/21/2018 8:26:04 PM	B54343
Toluene	ND	1.0		µg/L	1	9/21/2018 8:26:04 PM	B54343
Ethylbenzene	ND	1.0		µg/L	1	9/21/2018 8:26:04 PM	B54343
Xylenes, Total	ND	2.0		µg/L	1	9/21/2018 8:26:04 PM	B54343
Surr: 4-Bromofluorobenzene	95.4	76.6-136		%Rec	1	9/21/2018 8:26:04 PM	B54343

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-4
Project: BMG Evap Pond
Collection Date: 9/17/2018 2:35:00 PM
Lab ID: 1809C66-004
Matrix: AQUEOUS
Received Date: 9/19/2018 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	110	5.0		mg/L	10	10/2/2018 9:10:49 PM	R54595
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	930	200	*D	mg/L	1	9/25/2018 4:09:00 PM	40543
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **lrm**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/25/2018 8:09:02 PM	40544
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/25/2018 8:09:02 PM	40544
Surr: DNOP	122	76.7-135		%Rec	1	9/25/2018 8:09:02 PM	40544
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/21/2018 8:49:24 PM	G54343
Surr: BFB	92.8	69.3-150		%Rec	1	9/21/2018 8:49:24 PM	G54343
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	9/21/2018 8:49:24 PM	B54343
Toluene	ND	1.0		µg/L	1	9/21/2018 8:49:24 PM	B54343
Ethylbenzene	ND	1.0		µg/L	1	9/21/2018 8:49:24 PM	B54343
Xylenes, Total	ND	2.0		µg/L	1	9/21/2018 8:49:24 PM	B54343
Surr: 4-Bromofluorobenzene	93.7	76.6-136		%Rec	1	9/21/2018 8:49:24 PM	B54343

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Interstitial Well
Project: BMG Evap Pond
Collection Date: 9/17/2018 4:28:00 PM
Lab ID: 1809C66-005
Matrix: AQUEOUS
Received Date: 9/19/2018 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	80000	5000	*	mg/L	1E	10/3/2018 8:00:29 PM	A54635
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	135000	2000	*D	mg/L	1	9/25/2018 4:09:00 PM	40543
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **lrm**	
Diesel Range Organics (DRO)	3.5	1.0		mg/L	1	9/25/2018 8:30:56 PM	40544
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/25/2018 8:30:56 PM	40544
Surr: DNOP	130	76.7-135		%Rec	1	9/25/2018 8:30:56 PM	40544
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	0.13	0.050		mg/L	1	9/21/2018 9:12:46 PM	G54343
Surr: BFB	89.1	69.3-150		%Rec	1	9/21/2018 9:12:46 PM	G54343
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	9/21/2018 9:12:46 PM	B54343
Toluene	ND	1.0		µg/L	1	9/21/2018 9:12:46 PM	B54343
Ethylbenzene	ND	1.0		µg/L	1	9/21/2018 9:12:46 PM	B54343
Xylenes, Total	ND	2.0		µg/L	1	9/21/2018 9:12:46 PM	B54343
Surr: 4-Bromofluorobenzene	89.9	76.6-136		%Rec	1	9/21/2018 9:12:46 PM	B54343

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Evaporation Pond
Project: BMG Evap Pond
Collection Date: 9/17/2018 4:38:00 PM
Lab ID: 1809C66-006 **Matrix:** AQUEOUS **Received Date:** 9/19/2018 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	180000	10000	*	mg/L	2E	10/3/2018 8:13:20 PM	A54635
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	295000	2000	*D	mg/L	1	9/25/2018 4:09:00 PM	40543
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **lrm**	
Diesel Range Organics (DRO)	9.7	1.0	H	mg/L	1	9/28/2018 1:00:29 AM	40629
Motor Oil Range Organics (MRO)	ND	5.0	H	mg/L	1	9/28/2018 1:00:29 AM	40629
Surr: DNOP	127	76.7-135	H	%Rec	1	9/28/2018 1:00:29 AM	40629
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.25	D	mg/L	5	9/21/2018 10:20:07 AM	G54343
Surr: BFB	100	69.3-150	D	%Rec	5	9/21/2018 10:20:07 AM	G54343
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	5.0	D	µg/L	5	9/21/2018 10:20:07 AM	B54343
Toluene	ND	5.0	D	µg/L	5	9/21/2018 10:20:07 AM	B54343
Ethylbenzene	ND	5.0	D	µg/L	5	9/21/2018 10:20:07 AM	B54343
Xylenes, Total	ND	10	D	µg/L	5	9/21/2018 10:20:07 AM	B54343
Surr: 4-Bromofluorobenzene	96.1	76.6-136	D	%Rec	5	9/21/2018 10:20:07 AM	B54343

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Trip Blank
Project: BMG Evap Pond
Collection Date:
Lab ID: 1809C66-007
Matrix: TRIP BLANK
Received Date: 9/19/2018 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	9/21/2018 9:59:24 PM	B54343
Toluene	ND	1.0		µg/L	1	9/21/2018 9:59:24 PM	B54343
Ethylbenzene	ND	1.0		µg/L	1	9/21/2018 9:59:24 PM	B54343
Xylenes, Total	ND	2.0		µg/L	1	9/21/2018 9:59:24 PM	B54343
Surr: 4-Bromofluorobenzene	92.2	76.6-136		%Rec	1	9/21/2018 9:59:24 PM	B54343

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1809C66**

05-Oct-18

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID	**MB**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R54595**	RunNo:	**54595**					
Prep Date:		Analysis Date:	**10/2/2018**	SeqNo:	**1810408**	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:	**R54595**	RunNo:	**54595**					
Prep Date:		Analysis Date:	**10/2/2018**	SeqNo:	**1810409**	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	93.3	90	110			

Sample ID	**MB**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**A54635**	RunNo:	**54635**					
Prep Date:		Analysis Date:	**10/3/2018**	SeqNo:	**1812288**	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:	**A54635**	RunNo:	**54635**					
Prep Date:		Analysis Date:	**10/3/2018**	SeqNo:	**1812289**	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	94.2	90	110			

Sample ID	**1809C66-001CMS**	SampType:	**ms**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**MW-1**	Batch ID:	**A54635**	RunNo:	**54635**					
Prep Date:		Analysis Date:	**10/3/2018**	SeqNo:	**1812290**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	65	5.0	50.00	15.56	98.7	77.5	116			

Sample ID	**1809C66-001CMSD**	SampType:	**msd**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**MW-1**	Batch ID:	**A54635**	RunNo:	**54635**					
Prep Date:		Analysis Date:	**10/3/2018**	SeqNo:	**1812291**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	64	5.0	50.00	15.56	96.8	77.5	116	1.44	20	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1809C66**

05-Oct-18

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID	**LCS-40544**	SampType:	**LCS**		TestCode:	**EPA Method 8015M/D: Diesel Range**				
Client ID:	**LCSW**	Batch ID:	**40544**		RunNo:	**54386**				
Prep Date:	**9/24/2018**	Analysis Date:	**9/25/2018**		SeqNo:	**1802127**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	6.0	1.0	5.000	0	119	70	130			
Surr: DNOP	0.51		0.5000		102	76.7	135			

Sample ID	**MB-40544**	SampType:	**MBLK**		TestCode:	**EPA Method 8015M/D: Diesel Range**				
Client ID:	**PBW**	Batch ID:	**40544**		RunNo:	**54386**				
Prep Date:	**9/24/2018**	Analysis Date:	**9/25/2018**		SeqNo:	**1802128**	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	1.2		1.000		115	76.7	135			

Sample ID	**1809C66-001BMS**	SampType:	**MS**		TestCode:	**EPA Method 8015M/D: Diesel Range**				
Client ID:	**MW-1**	Batch ID:	**40544**		RunNo:	**54386**				
Prep Date:	**9/24/2018**	Analysis Date:	**9/25/2018**		SeqNo:	**1802130**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	6.0	1.0	5.000	0	121	82.8	143			
Surr: DNOP	0.53		0.5000		106	76.7	135			

Sample ID	**1809C66-001BMSD**	SampType:	**MSD**		TestCode:	**EPA Method 8015M/D: Diesel Range**				
Client ID:	**MW-1**	Batch ID:	**40544**		RunNo:	**54386**				
Prep Date:	**9/24/2018**	Analysis Date:	**9/25/2018**		SeqNo:	**1802131**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	6.1	1.0	5.000	0	122	82.8	143	1.57	20	
Surr: DNOP	0.53		0.5000		107	76.7	135	0	0	

Sample ID	**LCS-40629**	SampType:	**LCS**		TestCode:	**EPA Method 8015M/D: Diesel Range**				
Client ID:	**LCSW**	Batch ID:	**40629**		RunNo:	**54465**				
Prep Date:	**9/27/2018**	Analysis Date:	**9/27/2018**		SeqNo:	**1807089**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	5.9	1.0	5.000	0	117	70	130			
Surr: DNOP	0.60		0.5000		120	76.7	135			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1809C66**
05-Oct-18

Client: Animas Environmental Services
Project: BMG Evap Pond

Sample ID **MB-40629**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range**
Client ID: **PBW**	Batch ID: **40629**	RunNo: **54465**
Prep Date: **9/27/2018**	Analysis Date: **9/27/2018**	SeqNo: **1807090** 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	1.2		1.000		125	76.7	135			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1809C66**

05-Oct-18

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID	**B30**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**PBW**	Batch ID:	**G54343**	RunNo:	**54343**					
Prep Date:		Analysis Date:	**9/21/2018**	SeqNo:	**1798706**	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		19		20.00		96.9	69.3	150			

Sample ID	**2.5UG GRO LCS**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSW**	Batch ID:	**G54343**	RunNo:	**54343**					
Prep Date:		Analysis Date:	**9/21/2018**	SeqNo:	**1798707**	Units:	**mg/L**			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)		0.52	0.050	0.5000	0	103	79.5	127			
Surr: BFB		22		20.00		109	69.3	150			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1809C66**

05-Oct-18

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID **B30**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBW**	Batch ID: **B54343**	RunNo: **54343**
Prep Date:	Analysis Date: **9/21/2018**	SeqNo: **1798742** 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	20		20.00		97.9	76.6	136			

Sample ID **100NG BTEX LCS**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSW**	Batch ID: **B54343**	RunNo: **54343**
Prep Date:	Analysis Date: **9/21/2018**	SeqNo: **1798751** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	95.7	73.9	120			
Toluene	20	1.0	20.00	0	99.9	77.3	117			
Ethylbenzene	19	1.0	20.00	0	96.2	78.8	119			
Xylenes, Total	58	2.0	60.00	0	96.7	76.9	121			
Surr: 4-Bromofluorobenzene	19		20.00		92.9	76.6	136			

Sample ID **1809C66-001AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **MW-1**	Batch ID: **B54343**	RunNo: **54343**
Prep Date:	Analysis Date: **9/21/2018**	SeqNo: **1798819** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	99.1	75	121			
Toluene	20	1.0	20.00	0	102	78.1	119			
Ethylbenzene	20	1.0	20.00	0	98.6	78.8	125			
Xylenes, Total	60	2.0	60.00	0	99.4	76.4	128			
Surr: 4-Bromofluorobenzene	20		20.00		97.5	76.6	136			

Sample ID **1809C66-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **MW-1**	Batch ID: **B54343**	RunNo: **54343**
Prep Date:	Analysis Date: **9/21/2018**	SeqNo: **1798827** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	97.3	75	121	1.78	20	
Toluene	20	1.0	20.00	0	99.2	78.1	119	2.78	20	
Ethylbenzene	19	1.0	20.00	0	97.3	78.8	125	1.33	20	
Xylenes, Total	59	2.0	60.00	0	98.4	76.4	128	0.991	20	
Surr: 4-Bromofluorobenzene	19		20.00		95.5	76.6	136	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1809C66**

05-Oct-18

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID	**MB-40543**	SampType:	**MBLK**	TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**PBW**	Batch ID:	**40543**	RunNo:	**54401**					
Prep Date:	**9/24/2018**	Analysis Date:	**9/25/2018**	SeqNo:	**1801562**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	**LCS-40543**	SampType:	**LCS**	TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**LCSW**	Batch ID:	**40543**	RunNo:	**54401**					
Prep Date:	**9/24/2018**	Analysis Date:	**9/25/2018**	SeqNo:	**1801563**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1010	20.0	1000	0	101	80	120			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1809C66** RcptNo: **1**

Received By: **Jazzmine Burkhead** **9/19/2018 7:50:00 AM**

Completed By: **Erin Melendrez** **9/20/2018 6:01:31 PM**

Reviewed By: VVZ 09/21/18

LB: ENM 9/21/18

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

ENM 9/21/18

Checked by: _____

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.0	Good	Yes			
2	2.0	Good	Yes			

Chain-of-Custody Record

Client: **Animas Environmental Services**

Mailing Address: **604 W. Pinon Street**
Farmington, NM 87401

Phone #: **505-564-2281**

email or Fax#: tknight@animasenvironmental.com

QA/QC Package:
X Standard □ Level 4 (Full Validation)

Accreditation:
□ NELAP □ Other

□ EDD (Type)

Turn-Around Time:
X Standard □ **Rush**

Project Name:
BMG Evap Pond

Project #:
AES 040605

Project Manager:
Tami Knight

Sampler: CL

On Ice: X Yes □ No

Sample Temperature: Cooler #1 - 5.0 Cooler #2 - 2.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1809C66	BTEX 8021	TPH (GRO/DRO/MRO) 8015	TDS SM2540C	Chlorides 300.0	Air Bubbles (Y or N)
9/17/2018	16:05	H2O	MW-1	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-001	X	X	X	X	
9/17/2018	15:40	H2O	MW-2	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-002	X	X	X	X	
9/17/2018	15:03	H2O	MW-3	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-003	X	X	X	X	
9/17/2018	14:35	H2O	MW-4	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-004	X	X	X	X	
9/17/2018	16:28	H2O	Interstitial Well	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-005	X	X	X	X	
9/17/2018	16:36	H_2O	Evaporation Pond	(3) 40 mL glass (1) 250 mL amber glass (1) 500 mL plastic	3-HCl 2-Non	-006	X	X	X	X	
		H2O	Trip Blank		Cold	-007	X				

Date	Time	Relinquished by:	Received by:	Date	Time
9/18/18	1917			9/18/18	1917
9/18/18	2010			09/19/18	07:50 Courier

Remarks: Call w/ Questions
Bill to B.M.G
(Benson Montin Greer)

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

October 03, 2018

Tami Knight
Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG Landfarm OrderNo.: 1809E17

Dear Tami Knight:

Hall Environmental Analysis Laboratory received 4 sample(s) on 9/19/2018 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
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 TZ CS-1
Project: BMG Landfarm
Collection Date: 9/17/2018 10:29:00 AM
Lab ID: 1809E17-001 **Matrix:** SOIL
Received Date: 9/19/2018 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/27/2018 4:03:23 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/27/2018 4:03:23 PM
Surr: DNOP	112	50.6-138		%Rec	1	9/27/2018 4:03:23 PM
EPA METHOD 300.0: ANIONS						Analyst: **smb**
Chloride	110	30		mg/Kg	20	9/27/2018 1:29:57 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **AG**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/26/2018 7:56:18 PM
Surr: BFB	96.3	70-130		%Rec	1	9/26/2018 7:56:18 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 TZ CS-1
Project: BMG Landfarm
Collection Date: 9/17/2018 11:26:00 AM
Lab ID: 1809E17-002 **Matrix:** SOIL
Received Date: 9/19/2018 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	2000	100		mg/Kg	10	9/27/2018 5:40:06 PM
Motor Oil Range Organics (MRO)	2600	500		mg/Kg	10	9/27/2018 5:40:06 PM
Surr: DNOP	0	50.6-138	S	%Rec	10	9/27/2018 5:40:06 PM
EPA METHOD 300.0: ANIONS						Analyst: **smb**
Chloride	ND	30		mg/Kg	20	9/27/2018 1:42:22 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **AG**
Gasoline Range Organics (GRO)	32	4.7		mg/Kg	1	9/26/2018 8:19:20 PM
Surr: BFB	138	70-130	S	%Rec	1	9/26/2018 8:19:20 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 TZ CS-1
Project: BMG Landfarm
Collection Date: 9/17/2018 12:21:00 PM
Lab ID: 1809E17-003 **Matrix:** SOIL
Received Date: 9/19/2018 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	240	9.7		mg/Kg	1	9/28/2018 1:13:24 PM
Motor Oil Range Organics (MRO)	420	48		mg/Kg	1	9/28/2018 1:13:24 PM
Surr: DNOP	107	50.6-138		%Rec	1	9/28/2018 1:13:24 PM
EPA METHOD 300.0: ANIONS						Analyst: **smb**
Chloride	ND	30		mg/Kg	20	9/27/2018 1:54:47 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **AG**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/26/2018 8:42:26 PM
Surr: BFB	92.6	70-130		%Rec	1	9/26/2018 8:42:26 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 TZ CS-1
Project: BMG Landfarm
Collection Date: 9/17/2018 1:24:00 PM
Lab ID: 1809E17-004 **Matrix:** SOIL
Received Date: 9/19/2018 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	9.7	9.1		mg/Kg	1	9/27/2018 7:08:07 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/27/2018 7:08:07 PM
Surr: DNOP	116	50.6-138		%Rec	1	9/27/2018 7:08:07 PM
EPA METHOD 300.0: ANIONS						Analyst: **smb**
Chloride	ND	30		mg/Kg	20	9/27/2018 1:04:35 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **AG**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/26/2018 9:05:22 PM
Surr: BFB	98.2	70-130		%Rec	1	9/26/2018 9:05:22 PM

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1809E17**

03-Oct-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-40599**	SampType:	**mblk**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**PBS**	Batch ID:	**40599**		RunNo:	**54458**				
Prep Date:	**9/26/2018**	Analysis Date:	**9/26/2018**		SeqNo:	**1805061**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-40599**	SampType:	**lcs**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**LCSS**	Batch ID:	**40599**		RunNo:	**54458**				
Prep Date:	**9/26/2018**	Analysis Date:	**9/26/2018**		SeqNo:	**1805062**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.3	90	110			

Sample ID	**MB-40622**	SampType:	**mblk**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**PBS**	Batch ID:	**40622**		RunNo:	**54496**				
Prep Date:	**9/27/2018**	Analysis Date:	**9/27/2018**		SeqNo:	**1806628**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-40622**	SampType:	**lcs**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**LCSS**	Batch ID:	**40622**		RunNo:	**54496**				
Prep Date:	**9/27/2018**	Analysis Date:	**9/27/2018**		SeqNo:	**1806629**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	99.4	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1809E17**

03-Oct-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **MB-40601**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **40601**	RunNo: **54465**
Prep Date: **9/26/2018**	Analysis Date: **9/27/2018**	SeqNo: **1807021** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		100	50.6	138			

Sample ID **LCS-40601**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **40601**	RunNo: **54465**
Prep Date: **9/26/2018**	Analysis Date: **9/27/2018**	SeqNo: **1807023** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	103	70	130			
Surr: DNOP	4.8		5.000		96.5	50.6	138			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1809E17**

03-Oct-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**lcs-40579**	SampType: **LCS**		TestCode: **EPA Method 8015D Mod: Gasoline Range**					
Client ID:	**LCSS**	Batch ID: **40579**		RunNo: **54449**					
Prep Date:	**9/25/2018**	Analysis Date: **9/26/2018**		SeqNo: **1804581**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	92.9	70	130			
Surr: BFB	450		500.0		89.9	70	130			

Sample ID	**mb-40579**	SampType: **MBLK**		TestCode: **EPA Method 8015D Mod: Gasoline Range**					
Client ID:	**PBS**	Batch ID: **40579**		RunNo: **54449**					
Prep Date:	**9/25/2018**	Analysis Date: **9/26/2018**		SeqNo: **1804582**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	500		500.0		99.5	70	130			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1809E17** RcptNo: **1**

Received By: **Jazzmine Burkhead** **9/19/2018 7:50:00 AM**

Completed By: **Ashley Gallegos** **9/25/2018 9:05:18 AM**

Reviewed By: JAB 09/25/18 labeled by: 09/25/18

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.0	Good	Yes			
2	2.0	Good	Yes			

Chain-of-Custody Record

Client:	**Animas Environmental Services**
Mailing Address:	**604 W. Pinon Street**
	Farmington, NM 87401
Phone #:	**505-564-2281**
email or Fax#:	tknight@animasnenvironmental.com
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other
□ EDD (Type)	

Turn-Around Time:

X Standard □ **Rush**

Project Name: **BMG Landfarm**

Project #: AES 040605

Project Manager: Tami Knight

Sampler: CL

On Ice: X Yes □ No

Sample Temperature: Cooler #1 - 5.0 Cooler #2 - 2.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1809E17	Chlorides 300.0	TPH - GRO, DRO, MRO (8015)									Air Bubbles (Y or N)
9/17/2018	10:29	Soil	Cell #1 TZ CS-1	1 - 4 oz jars	Cool	-001	X	X									
9/17/2018	11:26	Soil	Cell #2 TZ CS-1	1 - 4 oz jars	Cool	-002	X	X									
9/17/2018	12:21	Soil	Cell #3 TZ CS-1	1 - 4 oz jars	Cool	-003	X	X									
9/17/2018	13:24	Soil	Cell #4 TZ CS-1	1 - 4 oz jars	Cool	-004	X	X									

Date: 9/18/18	Time: 1917	Relinquished by:	Received by:	Date 9/18/18	Time 1917
Date: 9/18/18	Time: 2010	Relinquished by:	Received by:	Date 09/19/18	Time 07:50 Courier

Remarks: Call if questions. Bill to B.M.G

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

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

October 15, 2018

Tami Knight
Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX (505) 324-2022

RE: BMG Landfarm OrderNo.: 1809E18

Dear Tami Knight:

Hall Environmental Analysis Laboratory received 16 sample(s) on 9/19/2018 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
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-1
Project: BMG Landfarm
Collection Date: 9/17/2018 9:47:00 AM
Lab ID: 1809E18-001 **Matrix:** SOIL
Received Date: 9/19/2018 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **CLP**	
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	9/28/2018	40613
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Fluoride	1.6	0.30		mg/Kg	1	9/27/2018 2:06:39 PM	40622
Chloride	370	30		mg/Kg	20	9/27/2018 2:19:04 PM	40622
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	9/27/2018 2:06:39 PM	40622
Bromide	3.8	0.30		mg/Kg	1	9/27/2018 2:06:39 PM	40622
Nitrogen, Nitrate (As N)	5.8	0.30		mg/Kg	1	9/27/2018 2:06:39 PM	40622
Sulfate	9.6	1.5		mg/Kg	1	9/27/2018 2:06:39 PM	40622
EPA METHOD 7471: MERCURY						Analyst: **rde**	
Mercury	ND	0.033		mg/Kg	1	9/27/2018 4:18:55 PM	40631
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	12		mg/Kg	5	10/5/2018 10:04:50 AM	40744
Barium	130	0.49		mg/Kg	5	10/5/2018 10:04:50 AM	40744
Cadmium	ND	0.20		mg/Kg	2	10/4/2018 10:09:29 AM	40744
Calcium	5600	120		mg/Kg	5	10/5/2018 10:04:50 AM	40744
Chromium	14	0.59		mg/Kg	2	10/4/2018 10:09:29 AM	40744
Lead	3.3	0.49		mg/Kg	2	10/4/2018 10:09:29 AM	40744
Magnesium	3300	49		mg/Kg	2	10/4/2018 10:09:29 AM	40744
Potassium	2600	99		mg/Kg	2	10/4/2018 10:09:29 AM	40744
Selenium	ND	12		mg/Kg	5	10/5/2018 10:04:50 AM	40744
Silver	ND	1.2		mg/Kg	5	10/5/2018 10:04:50 AM	40744
Sodium	460	49		mg/Kg	2	10/4/2018 10:09:29 AM	40744
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**	
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	9/26/2018 11:00:32 PM	40579
Benzene	ND	0.025		mg/Kg	1	9/26/2018 11:00:32 PM	40579
Toluene	ND	0.050		mg/Kg	1	9/26/2018 11:00:32 PM	40579
Ethylbenzene	ND	0.050		mg/Kg	1	9/26/2018 11:00:32 PM	40579
Xylenes, Total	ND	0.099		mg/Kg	1	9/26/2018 11:00:32 PM	40579
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	9/26/2018 11:00:32 PM	40579
Surr: Toluene-d8	93.2	70-130		%Rec	1	9/26/2018 11:00:32 PM	40579

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-2
Project: BMG Landfarm
Collection Date: 9/17/2018 10:07:00 AM
Lab ID: 1809E18-002 **Matrix:** SOIL
Received Date: 9/19/2018 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **CLP**	
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	9/28/2018	40613
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Fluoride	1.9	1.5		mg/Kg	5	9/27/2018 2:31:28 PM	40622
Chloride	36	7.5		mg/Kg	5	9/27/2018 2:31:28 PM	40622
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	9/27/2018 2:31:28 PM	40622
Bromide	ND	1.5		mg/Kg	5	9/27/2018 2:31:28 PM	40622
Nitrogen, Nitrate (As N)	6.4	1.5		mg/Kg	5	9/27/2018 2:31:28 PM	40622
Sulfate	18	7.5		mg/Kg	5	9/27/2018 2:31:28 PM	40622
EPA METHOD 7471: MERCURY						Analyst: **rde**	
Mercury	ND	0.032		mg/Kg	1	9/27/2018 4:24:14 PM	40631
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	4.8		mg/Kg	2	10/5/2018 9:00:16 AM	40744
Barium	120	0.19		mg/Kg	2	10/4/2018 10:14:43 AM	40744
Cadmium	ND	0.19		mg/Kg	2	10/4/2018 10:14:43 AM	40744
Calcium	5100	48		mg/Kg	2	10/4/2018 10:14:43 AM	40744
Chromium	13	0.58		mg/Kg	2	10/4/2018 10:14:43 AM	40744
Lead	3.3	0.48		mg/Kg	2	10/4/2018 10:14:43 AM	40744
Magnesium	2600	48		mg/Kg	2	10/4/2018 10:14:43 AM	40744
Potassium	2100	97		mg/Kg	2	10/4/2018 10:14:43 AM	40744
Selenium	ND	4.8		mg/Kg	2	10/5/2018 9:00:16 AM	40744
Silver	ND	0.48		mg/Kg	2	10/4/2018 10:14:43 AM	40744
Sodium	160	48		mg/Kg	2	10/4/2018 10:14:43 AM	40744
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**	
Methyl tert-butyl ether (MTBE)	ND	0.047		mg/Kg	1	9/26/2018 11:23:41 PM	40579
Benzene	ND	0.024		mg/Kg	1	9/26/2018 11:23:41 PM	40579
Toluene	ND	0.047		mg/Kg	1	9/26/2018 11:23:41 PM	40579
Ethylbenzene	ND	0.047		mg/Kg	1	9/26/2018 11:23:41 PM	40579
Xylenes, Total	ND	0.095		mg/Kg	1	9/26/2018 11:23:41 PM	40579
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	9/26/2018 11:23:41 PM	40579
Surr: Toluene-d8	94.9	70-130		%Rec	1	9/26/2018 11:23:41 PM	40579

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-3
Project: BMG Landfarm
Collection Date: 9/17/2018 10:22:00 AM
Lab ID: 1809E18-003 **Matrix:** SOIL
Received Date: 9/19/2018 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **CLP**	
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	9/28/2018	40613
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Fluoride	ND	1.5		mg/Kg	5	9/27/2018 3:21:06 PM	40622
Chloride	ND	7.5		mg/Kg	5	9/27/2018 3:21:06 PM	40622
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	9/27/2018 3:21:06 PM	40622
Bromide	ND	1.5		mg/Kg	5	9/27/2018 3:21:06 PM	40622
Nitrogen, Nitrate (As N)	10	1.5		mg/Kg	5	9/27/2018 3:21:06 PM	40622
Sulfate	13	7.5		mg/Kg	5	9/27/2018 3:21:06 PM	40622
EPA METHOD 7471: MERCURY						Analyst: **rde**	
Mercury	ND	0.033		mg/Kg	1	9/27/2018 4:26:00 PM	40631
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	12		mg/Kg	5	10/5/2018 10:11:32 AM	40744
Barium	120	0.20		mg/Kg	2	10/4/2018 10:16:29 AM	40744
Cadmium	ND	0.20		mg/Kg	2	10/4/2018 10:16:29 AM	40744
Calcium	4400	50		mg/Kg	2	10/4/2018 10:16:29 AM	40744
Chromium	12	0.60		mg/Kg	2	10/4/2018 10:16:29 AM	40744
Lead	3.9	0.50		mg/Kg	2	10/4/2018 10:16:29 AM	40744
Magnesium	3000	50		mg/Kg	2	10/4/2018 10:16:29 AM	40744
Potassium	2400	99		mg/Kg	2	10/4/2018 10:16:29 AM	40744
Selenium	ND	12		mg/Kg	5	10/5/2018 10:11:32 AM	40744
Silver	ND	0.50		mg/Kg	2	10/4/2018 10:16:29 AM	40744
Sodium	130	50		mg/Kg	2	10/4/2018 10:16:29 AM	40744
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**	
Methyl tert-butyl ether (MTBE)	ND	0.048		mg/Kg	1	9/26/2018 11:46:37 PM	40579
Benzene	ND	0.024		mg/Kg	1	9/26/2018 11:46:37 PM	40579
Toluene	ND	0.048		mg/Kg	1	9/26/2018 11:46:37 PM	40579
Ethylbenzene	ND	0.048		mg/Kg	1	9/26/2018 11:46:37 PM	40579
Xylenes, Total	ND	0.096		mg/Kg	1	9/26/2018 11:46:37 PM	40579
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	9/26/2018 11:46:37 PM	40579
Surr: Toluene-d8	94.8	70-130		%Rec	1	9/26/2018 11:46:37 PM	40579

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-4
Project: BMG Landfarm
Collection Date: 9/17/2018 10:35:00 AM
Lab ID: 1809E18-004 **Matrix:** SOIL
Received Date: 9/19/2018 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **CLP**	
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	9/28/2018	40613
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Fluoride	ND	1.5		mg/Kg	5	9/27/2018 4:10:44 PM	40622
Chloride	ND	7.5		mg/Kg	5	9/27/2018 4:10:44 PM	40622
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	9/27/2018 4:10:44 PM	40622
Bromide	ND	1.5		mg/Kg	5	9/27/2018 4:10:44 PM	40622
Nitrogen, Nitrate (As N)	24	1.5		mg/Kg	5	9/27/2018 4:10:44 PM	40622
Sulfate	28	7.5		mg/Kg	5	9/27/2018 4:10:44 PM	40622
EPA METHOD 7471: MERCURY						Analyst: **rde**	
Mercury	ND	0.032		mg/Kg	1	9/27/2018 4:27:47 PM	40631
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	4.9		mg/Kg	2	10/5/2018 10:13:11 AM	40744
Barium	78	0.097		mg/Kg	1	10/4/2018 10:18:13 AM	40744
Cadmium	ND	0.097		mg/Kg	1	10/4/2018 10:18:13 AM	40744
Calcium	2500	24		mg/Kg	1	10/4/2018 10:18:13 AM	40744
Chromium	6.9	0.29		mg/Kg	1	10/4/2018 10:18:13 AM	40744
Lead	2.2	0.24		mg/Kg	1	10/4/2018 10:18:13 AM	40744
Magnesium	1900	24		mg/Kg	1	10/4/2018 10:18:13 AM	40744
Potassium	1400	49		mg/Kg	1	10/4/2018 10:18:13 AM	40744
Selenium	ND	4.9		mg/Kg	2	10/5/2018 10:13:11 AM	40744
Silver	ND	0.24		mg/Kg	1	10/4/2018 10:18:13 AM	40744
Sodium	87	24		mg/Kg	1	10/4/2018 10:18:13 AM	40744
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**	
Methyl tert-butyl ether (MTBE)	ND	0.046		mg/Kg	1	9/27/2018 12:09:43 AM	40579
Benzene	ND	0.023		mg/Kg	1	9/27/2018 12:09:43 AM	40579
Toluene	ND	0.046		mg/Kg	1	9/27/2018 12:09:43 AM	40579
Ethylbenzene	ND	0.046		mg/Kg	1	9/27/2018 12:09:43 AM	40579
Xylenes, Total	ND	0.092		mg/Kg	1	9/27/2018 12:09:43 AM	40579
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	9/27/2018 12:09:43 AM	40579
Surr: Toluene-d8	91.1	70-130		%Rec	1	9/27/2018 12:09:43 AM	40579

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-1
Project: BMG Landfarm
Collection Date: 9/17/2018 10:52:00 AM
Lab ID: 1809E18-005 **Matrix:** SOIL
Received Date: 9/19/2018 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **CLP**	
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	9/28/2018	40613
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Fluoride	ND	1.5		mg/Kg	5	9/27/2018 4:35:34 PM	40622
Chloride	10	7.5		mg/Kg	5	9/27/2018 4:35:34 PM	40622
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	9/27/2018 4:35:34 PM	40622
Bromide	ND	1.5		mg/Kg	5	9/27/2018 4:35:34 PM	40622
Nitrogen, Nitrate (As N)	2.7	1.5		mg/Kg	5	9/27/2018 4:35:34 PM	40622
Sulfate	70	7.5		mg/Kg	5	9/27/2018 4:35:34 PM	40622
EPA METHOD 7471: MERCURY						Analyst: **rde**	
Mercury	ND	0.032		mg/Kg	1	9/27/2018 4:29:32 PM	40631
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	3.2	2.5		mg/Kg	1	10/5/2018 9:05:21 AM	40744
Barium	82	0.099		mg/Kg	1	10/4/2018 10:19:58 AM	40744
Cadmium	ND	0.099		mg/Kg	1	10/4/2018 10:19:58 AM	40744
Calcium	1800	25		mg/Kg	1	10/4/2018 10:19:58 AM	40744
Chromium	4.4	0.30		mg/Kg	1	10/4/2018 10:19:58 AM	40744
Lead	2.3	0.25		mg/Kg	1	10/4/2018 10:19:58 AM	40744
Magnesium	1100	25		mg/Kg	1	10/4/2018 10:19:58 AM	40744
Potassium	710	50		mg/Kg	1	10/4/2018 10:19:58 AM	40744
Selenium	ND	2.5		mg/Kg	1	10/5/2018 9:05:21 AM	40744
Silver	ND	0.25		mg/Kg	1	10/4/2018 10:19:58 AM	40744
Sodium	89	25		mg/Kg	1	10/4/2018 10:19:58 AM	40744
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**	
Methyl tert-butyl ether (MTBE)	ND	0.047		mg/Kg	1	9/27/2018 12:32:49 AM	40579
Benzene	ND	0.024		mg/Kg	1	9/27/2018 12:32:49 AM	40579
Toluene	ND	0.047		mg/Kg	1	9/27/2018 12:32:49 AM	40579
Ethylbenzene	ND	0.047		mg/Kg	1	9/27/2018 12:32:49 AM	40579
Xylenes, Total	ND	0.094		mg/Kg	1	9/27/2018 12:32:49 AM	40579
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	9/27/2018 12:32:49 AM	40579
Surr: Toluene-d8	90.9	70-130		%Rec	1	9/27/2018 12:32:49 AM	40579

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-2
Project: BMG Landfarm
Collection Date: 9/17/2018 11:06:00 AM
Lab ID: 1809E18-006 **Matrix:** SOIL
Received Date: 9/19/2018 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **CLP**	
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	9/28/2018	40613
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Fluoride	ND	1.5		mg/Kg	5	9/27/2018 5:00:22 PM	40622
Chloride	12	7.5		mg/Kg	5	9/27/2018 5:00:22 PM	40622
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	9/27/2018 5:00:22 PM	40622
Bromide	ND	1.5		mg/Kg	5	9/27/2018 5:00:22 PM	40622
Nitrogen, Nitrate (As N)	8.2	1.5		mg/Kg	5	9/27/2018 5:00:22 PM	40622
Sulfate	90	7.5		mg/Kg	5	9/27/2018 5:00:22 PM	40622
EPA METHOD 7471: MERCURY						Analyst: **rde**	
Mercury	ND	0.033		mg/Kg	1	9/27/2018 4:31:19 PM	40631
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	5.0		mg/Kg	2	10/5/2018 10:20:24 AM	40744
Barium	95	0.10		mg/Kg	1	10/4/2018 10:21:43 AM	40744
Cadmium	ND	0.10		mg/Kg	1	10/4/2018 10:21:43 AM	40744
Calcium	1800	25		mg/Kg	1	10/4/2018 10:21:43 AM	40744
Chromium	5.0	0.30		mg/Kg	1	10/4/2018 10:21:43 AM	40744
Lead	2.9	0.25		mg/Kg	1	10/4/2018 10:21:43 AM	40744
Magnesium	1200	25		mg/Kg	1	10/4/2018 10:21:43 AM	40744
Potassium	750	50		mg/Kg	1	10/4/2018 10:21:43 AM	40744
Selenium	ND	2.5		mg/Kg	1	10/10/2018 12:10:23 PM	40744
Silver	ND	0.25		mg/Kg	1	10/4/2018 10:21:43 AM	40744
Sodium	90	25		mg/Kg	1	10/4/2018 10:21:43 AM	40744
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**	
Methyl tert-butyl ether (MTBE)	ND	0.049		mg/Kg	1	9/27/2018 12:55:42 AM	40579
Benzene	ND	0.024		mg/Kg	1	9/27/2018 12:55:42 AM	40579
Toluene	ND	0.049		mg/Kg	1	9/27/2018 12:55:42 AM	40579
Ethylbenzene	ND	0.049		mg/Kg	1	9/27/2018 12:55:42 AM	40579
Xylenes, Total	ND	0.098		mg/Kg	1	9/27/2018 12:55:42 AM	40579
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	9/27/2018 12:55:42 AM	40579
Surr: Toluene-d8	94.6	70-130		%Rec	1	9/27/2018 12:55:42 AM	40579

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-3
Project: BMG Landfarm
Collection Date: 9/17/2018 11:19:00 AM
Lab ID: 1809E18-007 **Matrix:** SOIL
Received Date: 9/19/2018 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **CLP**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	9/28/2018	40613
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Fluoride	ND	1.5		mg/Kg	5	9/27/2018 5:25:13 PM	40622
Chloride	10	7.5		mg/Kg	5	9/27/2018 5:25:13 PM	40622
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	9/27/2018 5:25:13 PM	40622
Bromide	ND	1.5		mg/Kg	5	9/27/2018 5:25:13 PM	40622
Nitrogen, Nitrate (As N)	9.1	1.5		mg/Kg	5	9/27/2018 5:25:13 PM	40622
Sulfate	8.7	7.5		mg/Kg	5	9/27/2018 5:25:13 PM	40622
EPA METHOD 7471: MERCURY						Analyst: **rde**	
Mercury	ND	0.033		mg/Kg	1	9/27/2018 4:33:06 PM	40631
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	2.5		mg/Kg	1	10/5/2018 9:14:27 AM	40744
Barium	71	0.10		mg/Kg	1	10/4/2018 10:29:14 AM	40744
Cadmium	ND	0.10		mg/Kg	1	10/4/2018 10:29:14 AM	40744
Calcium	1300	25		mg/Kg	1	10/4/2018 10:29:14 AM	40744
Chromium	4.4	0.30		mg/Kg	1	10/4/2018 10:29:14 AM	40744
Lead	1.9	0.25		mg/Kg	1	10/4/2018 10:29:14 AM	40744
Magnesium	990	25		mg/Kg	1	10/4/2018 10:29:14 AM	40744
Potassium	860	50		mg/Kg	1	10/4/2018 10:29:14 AM	40744
Selenium	ND	2.5		mg/Kg	1	10/5/2018 9:14:27 AM	40744
Silver	ND	0.25		mg/Kg	1	10/4/2018 10:29:14 AM	40744
Sodium	63	25		mg/Kg	1	10/4/2018 10:29:14 AM	40744
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**	
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	9/27/2018 1:18:47 AM	40579
Benzene	ND	0.025		mg/Kg	1	9/27/2018 1:18:47 AM	40579
Toluene	ND	0.050		mg/Kg	1	9/27/2018 1:18:47 AM	40579
Ethylbenzene	ND	0.050		mg/Kg	1	9/27/2018 1:18:47 AM	40579
Xylenes, Total	ND	0.099		mg/Kg	1	9/27/2018 1:18:47 AM	40579
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	9/27/2018 1:18:47 AM	40579
Surr: Toluene-d8	94.3	70-130		%Rec	1	9/27/2018 1:18:47 AM	40579

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-4
Project: BMG Landfarm
Collection Date: 9/17/2018 11:33:00 AM
Lab ID: 1809E18-008 **Matrix:** SOIL
Received Date: 9/19/2018 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **CLP**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	9/28/2018	40613
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Fluoride	0.35	0.30		mg/Kg	1	9/27/2018 5:50:03 PM	40622
Chloride	40	1.5		mg/Kg	1	9/27/2018 5:50:03 PM	40622
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	9/27/2018 5:50:03 PM	40622
Bromide	0.36	0.30		mg/Kg	1	9/27/2018 5:50:03 PM	40622
Nitrogen, Nitrate (As N)	ND	0.30		mg/Kg	1	9/27/2018 5:50:03 PM	40622
Sulfate	51	1.5		mg/Kg	1	9/27/2018 5:50:03 PM	40622
EPA METHOD 7471: MERCURY						Analyst: **rde**	
Mercury	ND	0.031		mg/Kg	1	9/27/2018 4:34:46 PM	40631
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	2.8	2.5		mg/Kg	1	10/5/2018 9:16:04 AM	40744
Barium	86	0.099		mg/Kg	1	10/4/2018 10:31:01 AM	40744
Cadmium	ND	0.099		mg/Kg	1	10/4/2018 10:31:01 AM	40744
Calcium	4200	25		mg/Kg	1	10/4/2018 10:31:01 AM	40744
Chromium	4.0	0.30		mg/Kg	1	10/4/2018 10:31:01 AM	40744
Lead	2.7	0.25		mg/Kg	1	10/4/2018 10:31:01 AM	40744
Magnesium	1000	25		mg/Kg	1	10/4/2018 10:31:01 AM	40744
Potassium	620	49		mg/Kg	1	10/4/2018 10:31:01 AM	40744
Selenium	ND	2.5		mg/Kg	1	10/5/2018 9:16:04 AM	40744
Silver	ND	0.25		mg/Kg	1	10/4/2018 10:31:01 AM	40744
Sodium	120	25		mg/Kg	1	10/4/2018 10:31:01 AM	40744
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**	
Methyl tert-butyl ether (MTBE)	ND	0.049		mg/Kg	1	9/27/2018 1:41:54 AM	40579
Benzene	ND	0.025		mg/Kg	1	9/27/2018 1:41:54 AM	40579
Toluene	ND	0.049		mg/Kg	1	9/27/2018 1:41:54 AM	40579
Ethylbenzene	ND	0.049		mg/Kg	1	9/27/2018 1:41:54 AM	40579
Xylenes, Total	ND	0.099		mg/Kg	1	9/27/2018 1:41:54 AM	40579
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	9/27/2018 1:41:54 AM	40579
Surr: Toluene-d8	94.5	70-130		%Rec	1	9/27/2018 1:41:54 AM	40579

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-1
Project: BMG Landfarm
Collection Date: 9/17/2018 11:47:00 AM
Lab ID: 1809E18-009 **Matrix:** SOIL
Received Date: 9/19/2018 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **CLP**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	9/28/2018	40613
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Fluoride	ND	1.5		mg/Kg	5	9/27/2018 6:39:40 PM	40622
Chloride	ND	7.5		mg/Kg	5	9/27/2018 6:39:40 PM	40622
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	9/27/2018 6:39:40 PM	40622
Bromide	ND	1.5		mg/Kg	5	9/27/2018 6:39:40 PM	40622
Nitrogen, Nitrate (As N)	4.6	1.5		mg/Kg	5	9/27/2018 6:39:40 PM	40622
Sulfate	8.5	7.5		mg/Kg	5	9/27/2018 6:39:40 PM	40622
EPA METHOD 7471: MERCURY						Analyst: **rde**	
Mercury	ND	0.033		mg/Kg	1	9/27/2018 4:36:26 PM	40631
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	2.4		mg/Kg	1	10/5/2018 9:17:43 AM	40744
Barium	55	0.097		mg/Kg	1	10/4/2018 10:32:46 AM	40744
Cadmium	ND	0.097		mg/Kg	1	10/4/2018 10:32:46 AM	40744
Calcium	920	24		mg/Kg	1	10/4/2018 10:32:46 AM	40744
Chromium	3.4	0.29		mg/Kg	1	10/4/2018 10:32:46 AM	40744
Lead	1.8	0.24		mg/Kg	1	10/4/2018 10:32:46 AM	40744
Magnesium	820	24		mg/Kg	1	10/4/2018 10:32:46 AM	40744
Potassium	730	49		mg/Kg	1	10/4/2018 10:32:46 AM	40744
Selenium	ND	2.4		mg/Kg	1	10/5/2018 9:17:43 AM	40744
Silver	ND	0.24		mg/Kg	1	10/4/2018 10:32:46 AM	40744
Sodium	82	24		mg/Kg	1	10/4/2018 10:32:46 AM	40744
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**	
Methyl tert-butyl ether (MTBE)	ND	0.047		mg/Kg	1	9/27/2018 2:04:52 AM	40579
Benzene	ND	0.024		mg/Kg	1	9/27/2018 2:04:52 AM	40579
Toluene	ND	0.047		mg/Kg	1	9/27/2018 2:04:52 AM	40579
Ethylbenzene	ND	0.047		mg/Kg	1	9/27/2018 2:04:52 AM	40579
Xylenes, Total	ND	0.094		mg/Kg	1	9/27/2018 2:04:52 AM	40579
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	9/27/2018 2:04:52 AM	40579
Surr: Toluene-d8	91.5	70-130		%Rec	1	9/27/2018 2:04:52 AM	40579

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-2
Project: BMG Landfarm
Collection Date: 9/17/2018 12:01:00 PM
Lab ID: 1809E18-010 **Matrix:** SOIL
Received Date: 9/19/2018 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **CLP**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	9/28/2018	40613
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Fluoride	1.6	1.5		mg/Kg	5	9/27/2018 7:04:29 PM	40622
Chloride	9.5	7.5		mg/Kg	5	9/27/2018 7:04:29 PM	40622
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	9/27/2018 7:04:29 PM	40622
Bromide	ND	1.5		mg/Kg	5	9/27/2018 7:04:29 PM	40622
Nitrogen, Nitrate (As N)	1.9	1.5		mg/Kg	5	9/27/2018 7:04:29 PM	40622
Sulfate	64	7.5		mg/Kg	5	9/27/2018 7:04:29 PM	40622
EPA METHOD 7471: MERCURY						Analyst: **rde**	
Mercury	ND	0.031		mg/Kg	1	9/27/2018 4:38:07 PM	40631
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	5.0		mg/Kg	2	10/5/2018 10:22:05 AM	40744
Barium	67	0.099		mg/Kg	1	10/4/2018 10:34:31 AM	40744
Cadmium	ND	0.099		mg/Kg	1	10/4/2018 10:34:31 AM	40744
Calcium	2000	25		mg/Kg	1	10/4/2018 10:34:31 AM	40744
Chromium	9.8	0.30		mg/Kg	1	10/4/2018 10:34:31 AM	40744
Lead	2.6	0.25		mg/Kg	1	10/4/2018 10:34:31 AM	40744
Magnesium	1900	25		mg/Kg	1	10/4/2018 10:34:31 AM	40744
Potassium	1700	50		mg/Kg	1	10/4/2018 10:34:31 AM	40744
Selenium	ND	5.0		mg/Kg	2	10/10/2018 12:14:32 PM	40744
Silver	ND	0.25		mg/Kg	1	10/4/2018 10:34:31 AM	40744
Sodium	100	25		mg/Kg	1	10/4/2018 10:34:31 AM	40744
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**	
Methyl tert-butyl ether (MTBE)	ND	0.048		mg/Kg	1	9/27/2018 2:27:58 AM	40579
Benzene	ND	0.024		mg/Kg	1	9/27/2018 2:27:58 AM	40579
Toluene	ND	0.048		mg/Kg	1	9/27/2018 2:27:58 AM	40579
Ethylbenzene	ND	0.048		mg/Kg	1	9/27/2018 2:27:58 AM	40579
Xylenes, Total	ND	0.095		mg/Kg	1	9/27/2018 2:27:58 AM	40579
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	9/27/2018 2:27:58 AM	40579
Surr: Toluene-d8	93.7	70-130		%Rec	1	9/27/2018 2:27:58 AM	40579

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-3
Project: BMG Landfarm
Collection Date: 9/17/2018 12:14:00 PM
Lab ID: 1809E18-011 **Matrix:** SOIL
Received Date: 9/19/2018 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **CLP**	
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	9/28/2018	40613
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Fluoride	4.0	0.30		mg/Kg	1	9/27/2018 7:29:17 PM	40622
Chloride	8.0	1.5		mg/Kg	1	9/27/2018 7:29:17 PM	40622
Nitrogen, Nitrite (As N)	ND	0.30		mg/Kg	1	9/27/2018 7:29:17 PM	40622
Bromide	ND	0.30		mg/Kg	1	9/27/2018 7:29:17 PM	40622
Nitrogen, Nitrate (As N)	2.6	0.30		mg/Kg	1	9/27/2018 7:29:17 PM	40622
Sulfate	190	30		mg/Kg	20	9/27/2018 7:41:41 PM	40622
EPA METHOD 7471: MERCURY						Analyst: **rde**	
Mercury	ND	0.033		mg/Kg	1	9/27/2018 4:39:49 PM	40631
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	12		mg/Kg	5	10/5/2018 10:23:47 AM	40744
Barium	100	0.19		mg/Kg	2	10/4/2018 11:06:30 AM	40744
Cadmium	ND	0.19		mg/Kg	2	10/4/2018 11:06:30 AM	40744
Calcium	6200	120		mg/Kg	5	10/4/2018 11:33:22 AM	40744
Chromium	17	0.58		mg/Kg	2	10/4/2018 11:06:30 AM	40744
Lead	4.6	0.49		mg/Kg	2	10/4/2018 11:06:30 AM	40744
Magnesium	3100	120		mg/Kg	5	10/4/2018 11:33:22 AM	40744
Potassium	2500	240		mg/Kg	5	10/4/2018 11:33:22 AM	40744
Selenium	ND	4.9		mg/Kg	2	10/10/2018 12:16:19 PM	40744
Silver	ND	0.49		mg/Kg	2	10/4/2018 11:06:30 AM	40744
Sodium	160	120		mg/Kg	5	10/4/2018 11:33:22 AM	40744
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**	
Methyl tert-butyl ether (MTBE)	ND	0.048		mg/Kg	1	9/27/2018 2:51:02 AM	40579
Benzene	ND	0.024		mg/Kg	1	9/27/2018 2:51:02 AM	40579
Toluene	ND	0.048		mg/Kg	1	9/27/2018 2:51:02 AM	40579
Ethylbenzene	ND	0.048		mg/Kg	1	9/27/2018 2:51:02 AM	40579
Xylenes, Total	ND	0.096		mg/Kg	1	9/27/2018 2:51:02 AM	40579
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	9/27/2018 2:51:02 AM	40579
Surr: Toluene-d8	97.1	70-130		%Rec	1	9/27/2018 2:51:02 AM	40579

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-4
Project: BMG Landfarm
Collection Date: 9/17/2018 12:29:00 PM
Lab ID: 1809E18-012 **Matrix:** SOIL
Received Date: 9/19/2018 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **CLP**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	9/28/2018	40613
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Fluoride	ND	1.5		mg/Kg	5	9/27/2018 7:54:06 PM	40622
Chloride	8.0	7.5		mg/Kg	5	9/27/2018 7:54:06 PM	40622
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	9/27/2018 7:54:06 PM	40622
Bromide	ND	1.5		mg/Kg	5	9/27/2018 7:54:06 PM	40622
Nitrogen, Nitrate (As N)	8.8	1.5		mg/Kg	5	9/27/2018 7:54:06 PM	40622
Sulfate	160	7.5		mg/Kg	5	9/27/2018 7:54:06 PM	40622
EPA METHOD 7471: MERCURY						Analyst: **rde**	
Mercury	ND	0.032		mg/Kg	1	9/27/2018 4:45:04 PM	40631
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	2.4		mg/Kg	1	10/5/2018 9:22:41 AM	40744
Barium	73	0.097		mg/Kg	1	10/4/2018 10:38:01 AM	40744
Cadmium	ND	0.097		mg/Kg	1	10/4/2018 10:38:01 AM	40744
Calcium	2000	24		mg/Kg	1	10/4/2018 10:38:01 AM	40744
Chromium	7.1	0.29		mg/Kg	1	10/4/2018 10:38:01 AM	40744
Lead	2.7	0.24		mg/Kg	1	10/4/2018 10:38:01 AM	40744
Magnesium	1500	24		mg/Kg	1	10/4/2018 10:38:01 AM	40744
Potassium	1200	48		mg/Kg	1	10/4/2018 10:38:01 AM	40744
Selenium	ND	2.4		mg/Kg	1	10/5/2018 9:22:41 AM	40744
Silver	ND	0.24		mg/Kg	1	10/4/2018 10:38:01 AM	40744
Sodium	110	24		mg/Kg	1	10/4/2018 10:38:01 AM	40744
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**	
Methyl tert-butyl ether (MTBE)	ND	0.047		mg/Kg	1	9/27/2018 3:14:01 AM	40579
Benzene	ND	0.024		mg/Kg	1	9/27/2018 3:14:01 AM	40579
Toluene	ND	0.047		mg/Kg	1	9/27/2018 3:14:01 AM	40579
Ethylbenzene	ND	0.047		mg/Kg	1	9/27/2018 3:14:01 AM	40579
Xylenes, Total	ND	0.095		mg/Kg	1	9/27/2018 3:14:01 AM	40579
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	9/27/2018 3:14:01 AM	40579
Surr: Toluene-d8	93.9	70-130		%Rec	1	9/27/2018 3:14:01 AM	40579

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-1
Project: BMG Landfarm
Collection Date: 9/17/2018 12:47:00 PM
Lab ID: 1809E18-013 **Matrix:** SOIL
Received Date: 9/19/2018 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **CLP**	
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	9/28/2018	40613
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Fluoride	1.5	1.5		mg/Kg	5	9/27/2018 8:18:55 PM	40622
Chloride	ND	7.5		mg/Kg	5	9/27/2018 8:18:55 PM	40622
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	9/27/2018 8:18:55 PM	40622
Bromide	ND	1.5		mg/Kg	5	9/27/2018 8:18:55 PM	40622
Nitrogen, Nitrate (As N)	10	1.5		mg/Kg	5	9/27/2018 8:18:55 PM	40622
Sulfate	11	7.5		mg/Kg	5	9/27/2018 8:18:55 PM	40622
EPA METHOD 7471: MERCURY						Analyst: **rde**	
Mercury	ND	0.032		mg/Kg	1	9/27/2018 4:46:46 PM	40631
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	5.0		mg/Kg	2	10/5/2018 9:24:20 AM	40744
Barium	80	0.20		mg/Kg	2	10/4/2018 11:08:15 AM	40744
Cadmium	ND	0.20		mg/Kg	2	10/4/2018 11:08:15 AM	40744
Calcium	3400	50		mg/Kg	2	10/4/2018 11:08:15 AM	40744
Chromium	11	0.60		mg/Kg	2	10/4/2018 11:08:15 AM	40744
Lead	4.5	0.50		mg/Kg	2	10/4/2018 11:08:15 AM	40744
Magnesium	1700	50		mg/Kg	2	10/4/2018 11:08:15 AM	40744
Potassium	1600	100		mg/Kg	2	10/4/2018 11:08:15 AM	40744
Selenium	ND	5.0		mg/Kg	2	10/5/2018 9:24:20 AM	40744
Silver	ND	0.50		mg/Kg	2	10/4/2018 11:08:15 AM	40744
Sodium	75	50		mg/Kg	2	10/4/2018 11:08:15 AM	40744
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **AG**	
Methyl tert-butyl ether (MTBE)	ND	0.049		mg/Kg	1	9/27/2018 3:36:57 AM	40579
Benzene	ND	0.025		mg/Kg	1	9/27/2018 3:36:57 AM	40579
Toluene	ND	0.049		mg/Kg	1	9/27/2018 3:36:57 AM	40579
Ethylbenzene	ND	0.049		mg/Kg	1	9/27/2018 3:36:57 AM	40579
Xylenes, Total	ND	0.099		mg/Kg	1	9/27/2018 3:36:57 AM	40579
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	9/27/2018 3:36:57 AM	40579
Surr: Toluene-d8	92.4	70-130		%Rec	1	9/27/2018 3:36:57 AM	40579

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-2
Project: BMG Landfarm
Collection Date: 9/17/2018 1:00:00 PM
Lab ID: 1809E18-014 **Matrix:** SOIL **Received Date:** 9/19/2018 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **CLP**	
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	9/28/2018	40613
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Fluoride	3.3	1.5		mg/Kg	5	9/27/2018 9:08:34 PM	40622
Chloride	ND	7.5		mg/Kg	5	9/27/2018 9:08:34 PM	40622
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	9/27/2018 9:08:34 PM	40622
Bromide	ND	1.5		mg/Kg	5	9/27/2018 9:08:34 PM	40622
Nitrogen, Nitrate (As N)	5.9	1.5		mg/Kg	5	9/27/2018 9:08:34 PM	40622
Sulfate	14	7.5		mg/Kg	5	9/27/2018 9:08:34 PM	40622
EPA METHOD 7471: MERCURY						Analyst: **rde**	
Mercury	ND	0.031		mg/Kg	1	9/27/2018 4:48:29 PM	40631
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	4.8		mg/Kg	2	10/5/2018 9:26:00 AM	40744
Barium	80	0.19		mg/Kg	2	10/4/2018 11:17:16 AM	40744
Cadmium	ND	0.19		mg/Kg	2	10/4/2018 11:17:16 AM	40744
Calcium	4200	24		mg/Kg	1	10/4/2018 10:41:31 AM	40744
Chromium	13	0.57		mg/Kg	2	10/4/2018 11:17:16 AM	40744
Lead	4.7	0.48		mg/Kg	2	10/4/2018 11:17:16 AM	40744
Magnesium	1800	24		mg/Kg	1	10/4/2018 10:41:31 AM	40744
Potassium	1600	48		mg/Kg	1	10/4/2018 10:41:31 AM	40744
Selenium	ND	4.8		mg/Kg	2	10/5/2018 9:26:00 AM	40744
Silver	ND	0.48		mg/Kg	2	10/4/2018 11:17:16 AM	40744
Sodium	85	24		mg/Kg	1	10/4/2018 10:41:31 AM	40744
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.097		mg/Kg	1	9/27/2018 1:52:10 PM	40611
Benzene	ND	0.024		mg/Kg	1	9/27/2018 1:52:10 PM	40611
Toluene	ND	0.048		mg/Kg	1	9/27/2018 1:52:10 PM	40611
Ethylbenzene	ND	0.048		mg/Kg	1	9/27/2018 1:52:10 PM	40611
Xylenes, Total	ND	0.097		mg/Kg	1	9/27/2018 1:52:10 PM	40611
Surr: 4-Bromofluorobenzene	94.2	80-120		%Rec	1	9/27/2018 1:52:10 PM	40611

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-3
Project: BMG Landfarm
Collection Date: 9/17/2018 1:15:00 PM
Lab ID: 1809E18-015 **Matrix:** SOIL **Received Date:** 9/19/2018 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **CLP**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	9/28/2018	40613
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Fluoride	1.8	1.5		mg/Kg	5	9/27/2018 9:33:23 PM	40622
Chloride	ND	7.5		mg/Kg	5	9/27/2018 9:33:23 PM	40622
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	9/27/2018 9:33:23 PM	40622
Bromide	ND	1.5		mg/Kg	5	9/27/2018 9:33:23 PM	40622
Nitrogen, Nitrate (As N)	7.4	1.5		mg/Kg	5	9/27/2018 9:33:23 PM	40622
Sulfate	11	7.5		mg/Kg	5	9/27/2018 9:33:23 PM	40622
EPA METHOD 7471: MERCURY						Analyst: **rde**	
Mercury	ND	0.032		mg/Kg	1	9/27/2018 4:50:13 PM	40631
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	12		mg/Kg	5	10/5/2018 10:25:26 AM	40744
Barium	95	0.19		mg/Kg	2	10/4/2018 11:19:03 AM	40744
Cadmium	ND	0.19		mg/Kg	2	10/4/2018 11:19:03 AM	40744
Calcium	5500	48		mg/Kg	2	10/4/2018 11:19:03 AM	40744
Chromium	15	0.58		mg/Kg	2	10/4/2018 11:19:03 AM	40744
Lead	5.1	0.48		mg/Kg	2	10/4/2018 11:19:03 AM	40744
Magnesium	2200	48		mg/Kg	2	10/4/2018 11:19:03 AM	40744
Potassium	1800	97		mg/Kg	2	10/4/2018 11:19:03 AM	40744
Selenium	ND	4.8		mg/Kg	2	10/10/2018 12:18:17 PM	40744
Silver	ND	0.48		mg/Kg	2	10/4/2018 11:19:03 AM	40744
Sodium	130	48		mg/Kg	2	10/4/2018 11:19:03 AM	40744
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.092		mg/Kg	1	9/27/2018 2:15:36 PM	40611
Benzene	ND	0.023		mg/Kg	1	9/27/2018 2:15:36 PM	40611
Toluene	ND	0.046		mg/Kg	1	9/27/2018 2:15:36 PM	40611
Ethylbenzene	ND	0.046		mg/Kg	1	9/27/2018 2:15:36 PM	40611
Xylenes, Total	ND	0.092		mg/Kg	1	9/27/2018 2:15:36 PM	40611
Surr: 4-Bromofluorobenzene	91.9	80-120		%Rec	1	9/27/2018 2:15:36 PM	40611

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-4
Project: BMG Landfarm
Collection Date: 9/17/2018 1:22:00 PM
Lab ID: 1809E18-016 **Matrix:** SOIL **Received Date:** 9/19/2018 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **CLP**	
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	9/28/2018	40613
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Fluoride	3.7	1.5		mg/Kg	5	9/27/2018 9:58:13 PM	40622
Chloride	12	7.5		mg/Kg	5	9/27/2018 9:58:13 PM	40622
Nitrogen, Nitrite (As N)	ND	1.5		mg/Kg	5	9/27/2018 9:58:13 PM	40622
Bromide	ND	1.5		mg/Kg	5	9/27/2018 9:58:13 PM	40622
Nitrogen, Nitrate (As N)	3.7	1.5		mg/Kg	5	9/27/2018 9:58:13 PM	40622
Sulfate	24	7.5		mg/Kg	5	9/27/2018 9:58:13 PM	40622
EPA METHOD 7471: MERCURY						Analyst: **rde**	
Mercury	ND	0.032		mg/Kg	1	9/27/2018 4:51:56 PM	40631
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	5.0		mg/Kg	2	10/5/2018 9:34:53 AM	40744
Barium	170	0.20		mg/Kg	2	10/4/2018 11:20:48 AM	40744
Cadmium	ND	0.20		mg/Kg	2	10/4/2018 11:20:48 AM	40744
Calcium	5300	50		mg/Kg	2	10/4/2018 11:20:48 AM	40744
Chromium	16	0.60		mg/Kg	2	10/4/2018 11:20:48 AM	40744
Lead	4.5	0.50		mg/Kg	2	10/4/2018 11:20:48 AM	40744
Magnesium	2300	50		mg/Kg	2	10/4/2018 11:20:48 AM	40744
Potassium	2200	100		mg/Kg	2	10/4/2018 11:20:48 AM	40744
Selenium	ND	5.0		mg/Kg	2	10/5/2018 9:34:53 AM	40744
Silver	ND	0.50		mg/Kg	2	10/4/2018 11:20:48 AM	40744
Sodium	120	50		mg/Kg	2	10/4/2018 11:20:48 AM	40744
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.098		mg/Kg	1	9/27/2018 2:38:51 PM	40611
Benzene	ND	0.024		mg/Kg	1	9/27/2018 2:38:51 PM	40611
Toluene	ND	0.049		mg/Kg	1	9/27/2018 2:38:51 PM	40611
Ethylbenzene	ND	0.049		mg/Kg	1	9/27/2018 2:38:51 PM	40611
Xylenes, Total	ND	0.098		mg/Kg	1	9/27/2018 2:38:51 PM	40611
Surr: 4-Bromofluorobenzene	96.9	80-120		%Rec	1	9/27/2018 2:38:51 PM	40611

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

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1809E18**
15-Oct-18

Client: Animas Environmental Services
Project: BMG Landfarm

Sample ID	**MB-40622**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**40622**	RunNo:	**54496**					
Prep Date:	**9/27/2018**	Analysis Date:	**9/27/2018**	SeqNo:	**1806628**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.30								
Chloride	ND	1.5								
Nitrogen, Nitrite (As N)	ND	0.30								
Bromide	ND	0.30								
Nitrogen, Nitrate (As N)	ND	0.30								
Sulfate	ND	1.5								

Sample ID	**LCS-40622**	SampType:	**lcs**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**40622**	RunNo:	**54496**					
Prep Date:	**9/27/2018**	Analysis Date:	**9/27/2018**	SeqNo:	**1806629**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.6	0.30	1.500	0	106	90	110			
Chloride	15	1.5	15.00	0	99.4	90	110			
Nitrogen, Nitrite (As N)	3.1	0.30	3.000	0	105	90	110			
Bromide	7.6	0.30	7.500	0	101	90	110			
Nitrogen, Nitrate (As N)	7.8	0.30	7.500	0	105	90	110			
Sulfate	30	1.5	30.00	0	98.3	90	110			

Sample ID	**1809E18-002AMS**	SampType:	**ms**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**Cell #1 VZ S-2**	Batch ID:	**40622**	RunNo:	**54496**					
Prep Date:	**9/27/2018**	Analysis Date:	**9/27/2018**	SeqNo:	**1806641**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	2.0	1.5	1.500	1.910	4.00	15	119			S
Chloride	57	7.5	15.00	36.27	136	60.8	141			
Nitrogen, Nitrite (As N)	3.3	1.5	3.000	0	109	84.3	103			S
Bromide	8.0	1.5	7.500	0	107	89.8	103			S
Nitrogen, Nitrate (As N)	15	1.5	7.500	6.366	115	61.8	142			
Sulfate	51	7.5	30.00	18.19	109	71.9	115			

Sample ID	**1809E18-002AMSD**	SampType:	**msd**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**Cell #1 VZ S-2**	Batch ID:	**40622**	RunNo:	**54496**					
Prep Date:	**9/27/2018**	Analysis Date:	**9/27/2018**	SeqNo:	**1806642**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.9	1.5	1.500	1.910	2.29	15	119	1.32	20	S
Chloride	56	7.5	15.00	36.27	132	60.8	141	1.10	20	
Nitrogen, Nitrite (As N)	3.2	1.5	3.000	0	106	84.3	103	2.97	20	S
Bromide	7.8	1.5	7.500	0	104	89.8	103	2.19	20	S

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1809E18**

15-Oct-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**1809E18-002AMSD**	SampType:	**msd**	TestCode:	**EPA Method 300.0: Anions**
Client ID:	**Cell #1 VZ S-2**	Batch ID:	**40622**	RunNo:	**54496**
Prep Date:	**9/27/2018**	Analysis Date:	**9/27/2018**	SeqNo:	**1806642** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrate (As N)	15	1.5	7.500	6.366	112	61.8	142	1.18	20	
Sulfate	51	7.5	30.00	18.19	109	71.9	115	0.390	20	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1809E18**

15-Oct-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-40613**	SampType:	**MBLK**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**PBS**	Batch ID:	**40613**	RunNo:	**54517**					
Prep Date:	**9/27/2018**	Analysis Date:	**9/28/2018**	SeqNo:	**1807173**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	**LCS-40613**	SampType:	**LCS**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS**	Batch ID:	**40613**	RunNo:	**54517**					
Prep Date:	**9/27/2018**	Analysis Date:	**9/28/2018**	SeqNo:	**1807174**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	96	20	100.0	0	95.8	84.7	129			

Sample ID	**LCSD-40613**	SampType:	**LCSD**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS02**	Batch ID:	**40613**	RunNo:	**54517**					
Prep Date:	**9/27/2018**	Analysis Date:	**9/28/2018**	SeqNo:	**1807175**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	97	20	100.0	0	97.1	84.7	129	1.37	20	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1809E18**

15-Oct-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID **MB-40611**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **40611**	RunNo: **54473**
Prep Date: **9/26/2018**	Analysis Date: **9/27/2018**	SeqNo: **1805711** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.10								
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.94		1.000		93.8	80	120			

Sample ID **LCS-40611**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **40611**	RunNo: **54473**
Prep Date: **9/26/2018**	Analysis Date: **9/27/2018**	SeqNo: **1805712** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.81	0.10	1.000	0	81.2	70.1	121			
Benzene	0.90	0.025	1.000	0	90.5	77.3	128			
Toluene	0.94	0.050	1.000	0	93.7	79.2	125			
Ethylbenzene	0.94	0.050	1.000	0	93.7	80.7	127			
Xylenes, Total	2.8	0.10	3.000	0	92.6	81.6	129			
Surr: 4-Bromofluorobenzene	0.96		1.000		96.3	80	120			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1809E18**

15-Oct-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**lcs-40579**	SampType:	**LCS4**	TestCode:	**EPA Method 8260B: Volatiles Short List**
Client ID:	**BatchQC**	Batch ID:	**40579**	RunNo:	**54449**
Prep Date:	**9/25/2018**	Analysis Date:	**9/26/2018**	SeqNo:	**1804617** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.83	0.050	1.000	0	83.0	80	120			
Benzene	0.88	0.025	1.000	0	87.5	80	120			
Toluene	0.91	0.050	1.000	0	91.3	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.2	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.8	80	120			
Surr: 4-Bromofluorobenzene	0.48		0.5000		96.4	70	130			
Surr: Toluene-d8	0.46		0.5000		91.1	70	130			

Sample ID	**mb-40579**	SampType:	**MBLK**	TestCode:	**EPA Method 8260B: Volatiles Short List**
Client ID:	**PBS**	Batch ID:	**40579**	RunNo:	**54449**
Prep Date:	**9/25/2018**	Analysis Date:	**9/26/2018**	SeqNo:	**1804618** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.050								
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.56		0.5000		112	70	130			
Surr: Toluene-d8	0.47		0.5000		94.2	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1809E18**

15-Oct-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-40631**	SampType:	**MBLK**	TestCode:	**EPA Method 7471: Mercury**					
Client ID:	**PBS**	Batch ID:	**40631**	RunNo:	**54464**					
Prep Date:	**9/27/2018**	Analysis Date:	**9/27/2018**	SeqNo:	**1805335**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.033								

Sample ID	**LCS-40631**	SampType:	**LCS**	TestCode:	**EPA Method 7471: Mercury**					
Client ID:	**LCSS**	Batch ID:	**40631**	RunNo:	**54464**					
Prep Date:	**9/27/2018**	Analysis Date:	**9/27/2018**	SeqNo:	**1805336**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.17	0.033	0.1667	0	103	80	120			

Sample ID	**LLLCS-40631**	SampType:	**LCSLL**	TestCode:	**EPA Method 7471: Mercury**					
Client ID:	**BatchQC**	Batch ID:	**40631**	RunNo:	**54464**					
Prep Date:	**9/27/2018**	Analysis Date:	**9/27/2018**	SeqNo:	**1805337**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.033	0.006660	0	110	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1809E18**

15-Oct-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-40744**	SampType:	**MBLK**	TestCode:	**EPA Method 6010B: Soil Metals**
Client ID:	**PBS**	Batch ID:	**40744**	RunNo:	**54637**
Prep Date:	**10/2/2018**	Analysis Date:	**10/4/2018**	SeqNo:	**1812375** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	ND	0.10								
Cadmium	ND	0.10								
Calcium	ND	25								
Chromium	ND	0.30								
Lead	ND	0.25								
Magnesium	ND	25								
Potassium	ND	50								
Silver	ND	0.25								
Sodium	ND	25								

Sample ID	**LCS-40744**	SampType:	**LCS**	TestCode:	**EPA Method 6010B: Soil Metals**
Client ID:	**LCSS**	Batch ID:	**40744**	RunNo:	**54637**
Prep Date:	**10/2/2018**	Analysis Date:	**10/4/2018**	SeqNo:	**1812376** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	25	0.10	25.00	0	100	80	120			
Cadmium	25	0.10	25.00	0	101	80	120			
Calcium	2500	25	2500	0	100	80	120			
Chromium	25	0.30	25.00	0	99.8	80	120			
Lead	24	0.25	25.00	0	94.9	80	120			
Magnesium	2500	25	2500	0	99.5	80	120			
Potassium	2400	50	2500	0	97.9	80	120			
Silver	5.2	0.25	5.000	0	104	80	120			
Sodium	2400	25	2500	0	97.9	80	120			

Sample ID	**1809E18-001AMS**	SampType:	**MS**	TestCode:	**EPA Method 6010B: Soil Metals**
Client ID:	**Cell #1 VZ S-1**	Batch ID:	**40744**	RunNo:	**54637**
Prep Date:	**10/2/2018**	Analysis Date:	**10/4/2018**	SeqNo:	**1812391** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cadmium	20	0.20	24.79	0	82.4	75	125			
Chromium	38	0.60	24.79	14.23	96.1	75	125			
Lead	22	0.50	24.79	3.317	77.2	75	125			
Magnesium	5700	50	2479	3320	96.2	75	125			
Potassium	4900	99	2479	2588	94.0	75	125			
Sodium	2400	50	2479	457.8	78.8	75	125			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1809E18**

15-Oct-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**1809E18-001AMSD**	SampType:	**MSD**		TestCode:	**EPA Method 6010B: Soil Metals**				
Client ID:	**Cell #1 VZ S-1**	Batch ID:	**40744**		RunNo:	**54637**				
Prep Date:	**10/2/2018**	Analysis Date:	**10/4/2018**		SeqNo:	**1812392**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cadmium	20	0.20	24.89	0	79.5	75	125	3.11	20	
Chromium	35	0.60	24.89	14.23	85.2	75	125	7.12	20	
Lead	22	0.50	24.89	3.317	75.9	75	125	1.22	20	
Magnesium	5400	50	2489	3320	85.5	75	125	4.64	20	
Potassium	4700	100	2489	2588	84.2	75	125	4.87	20	
Sodium	2400	50	2489	457.8	78.0	75	125	0.464	20	

Sample ID	**MB-40744**	SampType:	**MBLK**		TestCode:	**EPA Method 6010B: Soil Metals**				
Client ID:	**PBS**	Batch ID:	**40744**		RunNo:	**54667**				
Prep Date:	**10/2/2018**	Analysis Date:	**10/5/2018**		SeqNo:	**1813842**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	2.5								
Selenium	ND	2.5								

Sample ID	**LCS-40744**	SampType:	**LCS**		TestCode:	**EPA Method 6010B: Soil Metals**				
Client ID:	**LCSS**	Batch ID:	**40744**		RunNo:	**54667**				
Prep Date:	**10/2/2018**	Analysis Date:	**10/5/2018**		SeqNo:	**1813843**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	24	2.5	25.00	0	94.6	80	120			
Selenium	22	2.5	25.00	0	89.7	80	120			

Sample ID	**1809E18-001AMS**	SampType:	**MS**		TestCode:	**EPA Method 6010B: Soil Metals**				
Client ID:	**Cell #1 VZ S-1**	Batch ID:	**40744**		RunNo:	**54667**				
Prep Date:	**10/2/2018**	Analysis Date:	**10/5/2018**		SeqNo:	**1813927**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	23	12	24.79	7.280	65.3	75	125			S
Barium	160	0.50	24.79	133.6	111	75	125			
Calcium	7600	120	2479	5612	80.5	75	125			
Selenium	23	12	24.79	0	91.3	75	125			
Silver	2.6	1.2	4.958	0	53.4	75	125			S

Sample ID	**1809E18-001AMSD**	SampType:	**MSD**		TestCode:	**EPA Method 6010B: Soil Metals**				
Client ID:	**Cell #1 VZ S-1**	Batch ID:	**40744**		RunNo:	**54667**				
Prep Date:	**10/2/2018**	Analysis Date:	**10/5/2018**		SeqNo:	**1813928**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	25	12	24.89	7.280	70.1	75	125	5.27	20	S

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1809E18**
15-Oct-18

Client: Animas Environmental Services
Project: BMG Landfarm

Sample ID **1809E18-001AMSD** SampType: **MSD** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **Cell #1 VZ S-1** Batch ID: **40744** RunNo: **54667**
Prep Date: **10/2/2018** Analysis Date: **10/5/2018** SeqNo: **1813928** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	160	0.50	24.89	133.6	94.5	75	125	2.50	20	
Calcium	7300	120	2489	5612	67.3	75	125	4.30	20	S
Selenium	19	12	24.89	0	76.2	75	125	17.7	20	
Silver	2.7	1.2	4.978	0	54.2	75	125	1.97	20	S

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1809E18** RcptNo: **1**

Received By: **Jazzmine Burkhead** **9/19/2018 7:50:00 AM**

Completed By: **Ashley Gallegos** **9/25/2018 9:10:24 AM**

Reviewed By: JAB 09/25/18 Labeled by: 09/25/18

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.0	Good	Yes			
2	2.0	Good	Yes			

Chain-of-Custody Record

Client:	**Animas Environmental Services**
Mailing Address:	**604 W. Pinon Street**
	Farmington, NM 87401
Phone #:	**505-564-2281**
email or Fax#:	tknight@animasenvironmental.com
QA/QC Package:	
X Standard	□ Level 4 (Full Validation)
Accreditation:	
□ NELAP	□ Other_____
□ EDD (Type)	

Turn-Around Time:	
X Standard	□ Rush_____
Project Name:	**BMG Landfarm**
Project #:	**AES 040605**
Project Manager:	Tami Knight
Sampler: CL	
On Ice:	X Yes □ No
Sample Temperature:	Cooler #1 - 5.8 Cooler #2 - 2.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 8710[illegible]

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1809E18	TPH - 418.1	BTEX 8021	Chlorides 300.0	RCRA 8 Metals	Major Cations/Anions						Air Bubbles (Y or N)
9/17/2018	9:47	Soil	Cell #1 VZ S-1	2 - 4 oz jars, 1-ziplock bag	Cool	-001	X	X	X	X	X						
9/17/2018	10:07	Soil	Cell #1 VZ S-2	2 - 4 oz jars, 1-ziplock bag	Cool	-002	X	X	X	X	X						
9/17/2018	10:22	Soil	Cell #1 VZ S-3	2 - 4 oz jars, 1-ziplock bag	Cool	-003	X	X	X	X	X						
9/17/2018	10:35	Soil	Cell #1 VZ S-4	2 - 4 oz jars, 1-ziplock bag	Cool	-004	X	X	X	X	X						
9/17/2018	10:52	Soil	Cell #2 VZ S-1	2 - 4 oz jars, 1-ziplock bag	Cool	-005	X	X	X	X	X						
9/17/2018	11:06	Soil	Cell #2 VZ S-2	2 - 4 oz jars, 1-ziplock bag	Cool	-006	X	X	X	X	X						
9/17/2018	11:19	Soil	Cell #2 VZ S-3	2 - 4 oz jars, 1-ziplock bag	Cool	-007	X	X	X	X	X						
9/17/2018	11:33	Soil	Cell #2 VZ S-4	2 - 4 oz jars, 1-ziplock bag	Cool	-008	X	X	X	X	X						

09/19/18 07:50 Courier

Chain-of-Custody Record

Client: **Animas Environmental Services**

Mailing Address: **604 W. Pinon Street**
Farmington, NM 87401

Phone #: **505-564-2281**

email or Fax#: tknight@animasenvironmental.com

QA/QC Package:
X Standard ☐ Level 4 (Full Validation)

Accreditation:
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
X Standard ☐ **Rush**

Project Name:
BMG Landfarm

Project #:
AES 040605

Project Manager:
Tami Knight

Sampler: CL

On Ice: X Yes ☐ No

Sample Temperature: Cooler #1- 5.0 Cooler #2- 2.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1809E18	TPH - 418.1	BTEX 8021	Chlorides 300.0	RCRA 8 Metals	Major Cations/Anions									Air Bubbles (Y or N)
9/17/2018	11:47	Soil	Cell #3 VZ S-1	2 - 4 oz jars, 1-ziplock bag	Cool	-009	X	X	X	X	X									
9/17/2018	12:01	Soil	Cell #3 VZ S-2	2 - 4 oz jars, 1-ziplock bag	Cool	-010	X	X	X	X	X									
9/17/2018	12:14	Soil	Cell #3 VZ S-3	2 - 4 oz jars, 1-ziplock bag	Cool	-011	X	X	X	X	X									
9/17/2018	12:29	Soil	Cell #3 VZ S-4	2 - 4 oz jars, 1-ziplock bag	Cool	-012	X	X	X	X	X									
9/17/2018	12:47	Soil	Cell #4 VZ S-1	2 - 4 oz jars, 1-ziplock bag	Cool	-013	X	X	X	X	X									
9/17/2018	13:00	Soil	Cell #4 VZ S-2	2 - 4 oz jars, 1-ziplock bag	Cool	-014	X	X	X	X	X									
9/17/2018	13:15	Soil	Cell #4 VZ S-3	2 - 4 oz jars, 1-ziplock bag	Cool	-015	X	X	X	X	X									
9/17/2018	13:22	Soil	Cell #4 VZ S-4	2 - 4 oz jars, 1-ziplock bag	Cool	-016	X	X	X	X	X									

Date	Time	Relinquished by:	Received by:	Date	Time
9/18/18	1917			9/18/18	1917
9/18/18	2010			09/19/18	07:50

Remarks: Call if questions.
Bill to BMG.

Courier

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

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

January 09, 2019

Tami Knight
Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG Evap Pond OrderNo.: 1812C55

Dear Tami Knight:

Hall Environmental Analysis Laboratory received 6 sample(s) on 12/20/2018 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
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1812C55**
Date Reported: **1/9/2019**

CLIENT: Animas Environmental Services
Client Sample ID: MW-1
Project: BMG Evap Pond
Collection Date: 12/19/2018 1:43:00 PM
Lab ID: 1812C55-001
Matrix: AQUEOUS
Received Date: 12/20/2018 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	16	0.50		mg/L	1	12/21/2018 2:06:30 PM	R56585
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	595	20.0	*	mg/L	1	12/28/2018 8:23:00 AM	42286
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **lrm**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/27/2018 11:41:52 PM	42307
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/27/2018 11:41:52 PM	42307
Surr: DNOP	98.3	76.7-135		%Rec	1	12/27/2018 11:41:52 PM	42307
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/21/2018 3:35:25 PM	B56527
Surr: BFB	84.6	72.8-125		%Rec	1	12/21/2018 3:35:25 PM	B56527
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	12/21/2018 3:35:25 PM	D56527
Toluene	ND	1.0		µg/L	1	12/21/2018 3:35:25 PM	D56527
Ethylbenzene	ND	1.0		µg/L	1	12/21/2018 3:35:25 PM	D56527
Xylenes, Total	ND	2.0		µg/L	1	12/21/2018 3:35:25 PM	D56527
Surr: 4-Bromofluorobenzene	92.8	80-120		%Rec	1	12/21/2018 3:35:25 PM	D56527

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-2
Project: BMG Evap Pond
Collection Date: 12/19/2018 1:27:00 PM
Lab ID: 1812C55-002
Matrix: AQUEOUS
Received Date: 12/20/2018 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	600	25	*	mg/L	50	12/31/2018 2:41:01 PM	R56698
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	1420	40.0	*D	mg/L	1	12/28/2018 8:23:00 AM	42286
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **lrm**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/28/2018 12:03:35 AM	42307
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/28/2018 12:03:35 AM	42307
Surr: DNOP	106	76.7-135		%Rec	1	12/28/2018 12:03:35 AM	42307
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/21/2018 4:43:20 PM	B56527
Surr: BFB	87.7	72.8-125		%Rec	1	12/21/2018 4:43:20 PM	B56527
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	12/21/2018 4:43:20 PM	D56527
Toluene	ND	1.0		µg/L	1	12/21/2018 4:43:20 PM	D56527
Ethylbenzene	ND	1.0		µg/L	1	12/21/2018 4:43:20 PM	D56527
Xylenes, Total	ND	2.0		µg/L	1	12/21/2018 4:43:20 PM	D56527
Surr: 4-Bromofluorobenzene	97.0	80-120		%Rec	1	12/21/2018 4:43:20 PM	D56527

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-3
Project: BMG Evap Pond
Collection Date: 12/19/2018 1:08:00 PM
Lab ID: 1812C55-003
Matrix: AQUEOUS
Received Date: 12/20/2018 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	76	10		mg/L	20	12/21/2018 4:02:15 PM	R56585
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	688	20.0	*	mg/L	1	12/28/2018 8:23:00 AM	42286
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **lrm**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/28/2018 12:25:28 AM	42307
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/28/2018 12:25:28 AM	42307
Surr: DNOP	110	76.7-135		%Rec	1	12/28/2018 12:25:28 AM	42307
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/21/2018 5:06:12 PM	B56527
Surr: BFB	89.4	72.8-125		%Rec	1	12/21/2018 5:06:12 PM	B56527
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	12/21/2018 5:06:12 PM	D56527
Toluene	ND	1.0		µg/L	1	12/21/2018 5:06:12 PM	D56527
Ethylbenzene	ND	1.0		µg/L	1	12/21/2018 5:06:12 PM	D56527
Xylenes, Total	ND	2.0		µg/L	1	12/21/2018 5:06:12 PM	D56527
Surr: 4-Bromofluorobenzene	97.6	80-120		%Rec	1	12/21/2018 5:06:12 PM	D56527

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: MW-4
Project: BMG Evap Pond
Collection Date: 12/19/2018 12:50:00 PM
Lab ID: 1812C55-004
Matrix: AQUEOUS
Received Date: 12/20/2018 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	94	10		mg/L	20	12/21/2018 4:27:57 PM	R56585
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	644	20.0	*	mg/L	1	12/28/2018 8:23:00 AM	42286
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **lrm**	
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	12/28/2018 12:47:29 AM	42307
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/28/2018 12:47:29 AM	42307
Surr: DNOP	97.1	76.7-135		%Rec	1	12/28/2018 12:47:29 AM	42307
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/21/2018 7:00:10 PM	B56527
Surr: BFB	88.7	72.8-125		%Rec	1	12/21/2018 7:00:10 PM	B56527
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	12/21/2018 7:00:10 PM	D56527
Toluene	ND	1.0		µg/L	1	12/21/2018 7:00:10 PM	D56527
Ethylbenzene	ND	1.0		µg/L	1	12/21/2018 7:00:10 PM	D56527
Xylenes, Total	ND	2.0		µg/L	1	12/21/2018 7:00:10 PM	D56527
Surr: 4-Bromofluorobenzene	96.7	80-120		%Rec	1	12/21/2018 7:00:10 PM	D56527

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Interstital Well
Project: BMG Evap Pond
Collection Date: 12/19/2018 2:17:00 PM
Lab ID: 1812C55-005
Matrix: AQUEOUS
Received Date: 12/20/2018 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	70000	5000	*	mg/L	1E	12/31/2018 2:53:26 PM	R56698
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	133000	2000	*D	mg/L	1	12/28/2018 8:23:00 AM	42286
EPA METHOD 8015M/D: DIESEL RANGE						Analyst: **lrm**	
Diesel Range Organics (DRO)	2.8	1.0		mg/L	1	12/28/2018 1:09:26 AM	42307
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/28/2018 1:09:26 AM	42307
Surr: DNOP	104	76.7-135		%Rec	1	12/28/2018 1:09:26 AM	42307
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	0.052	0.050		mg/L	1	12/21/2018 7:22:53 PM	B56527
Surr: BFB	86.7	72.8-125		%Rec	1	12/21/2018 7:22:53 PM	B56527
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	12/21/2018 7:22:53 PM	D56527
Toluene	ND	1.0		µg/L	1	12/21/2018 7:22:53 PM	D56527
Ethylbenzene	ND	1.0		µg/L	1	12/21/2018 7:22:53 PM	D56527
Xylenes, Total	ND	2.0		µg/L	1	12/21/2018 7:22:53 PM	D56527
Surr: 4-Bromofluorobenzene	93.1	80-120		%Rec	1	12/21/2018 7:22:53 PM	D56527

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Trip Blank
Project: BMG Evap Pond
Collection Date:
Lab ID: 1812C55-006
Matrix: TRIP BLANK
Received Date: 12/20/2018 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	12/21/2018 7:45:28 PM	D56527
Toluene	ND	1.0		µg/L	1	12/21/2018 7:45:28 PM	D56527
Ethylbenzene	ND	1.0		µg/L	1	12/21/2018 7:45:28 PM	D56527
Xylenes, Total	ND	2.0		µg/L	1	12/21/2018 7:45:28 PM	D56527
Surr: 4-Bromofluorobenzene	96.6	80-120		%Rec	1	12/21/2018 7:45:28 PM	D56527

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1812C55**

09-Jan-19

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID	**MB**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R56585**	RunNo:	**56585**					
Prep Date:		Analysis Date:	**12/21/2018**	SeqNo:	**1893173**	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:	**R56585**	RunNo:	**56585**					
Prep Date:		Analysis Date:	**12/21/2018**	SeqNo:	**1893174**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	5.0	0.50	5.000	0	99.4	90	110			

Sample ID	**MB**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBW**	Batch ID:	**R56698**	RunNo:	**56698**					
Prep Date:		Analysis Date:	**12/31/2018**	SeqNo:	**1897402**	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:	**R56698**	RunNo:	**56698**					
Prep Date:		Analysis Date:	**12/31/2018**	SeqNo:	**1897403**	Units:	**mg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.7	0.50	5.000	0	93.5	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1812C55**

09-Jan-19

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID	**LCS-42307**	SampType:	**LCS**		TestCode:	**EPA Method 8015M/D: Diesel Range**				
Client ID:	**LCSW**	Batch ID:	**42307**		RunNo:	**56614**				
Prep Date:	**12/26/2018**	Analysis Date:	**12/27/2018**		SeqNo:	**1895095**	Units:	**mg/L**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	5.1	1.0	5.000	0	102	70	130			
Surr: DNOP	0.47		0.5000		94.1	76.7	135			

Sample ID	**MB-42307**	SampType:	**MBLK**		TestCode:	**EPA Method 8015M/D: Diesel Range**				
Client ID:	**PBW**	Batch ID:	**42307**		RunNo:	**56614**				
Prep Date:	**12/26/2018**	Analysis Date:	**12/27/2018**		SeqNo:	**1895096**	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	0.98		1.000		98.0	76.7	135			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1812C55**

09-Jan-19

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID	**RB**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**PBW**	Batch ID:	**B56527**	RunNo:	**56527**					
Prep Date:		Analysis Date:	**12/21/2018**	SeqNo:	**1892675**	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		19		20.00		94.3	72.8	125			

Sample ID	**2.5UG GRO LCS**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSW**	Batch ID:	**B56527**	RunNo:	**56527**					
Prep Date:		Analysis Date:	**12/21/2018**	SeqNo:	**1892676**	Units:	**mg/L**			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)		0.41	0.050	0.5000	0	82.8	77.7	130			
Surr: BFB		22		20.00		112	72.8	125			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1812C55**

09-Jan-19

Client: Animas Environmental Services

Project: BMG Evap Pond

Sample ID **RB**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBW**	Batch ID: **D56527**	RunNo: **56527**
Prep Date:	Analysis Date: **12/21/2018**	SeqNo: **1892690** 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		106	80	120			

Sample ID **100NG BTEX LCS**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSW**	Batch ID: **D56527**	RunNo: **56527**
Prep Date:	Analysis Date: **12/21/2018**	SeqNo: **1892691** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	17	1.0	20.00	0	85.7	80	120			
Toluene	17	1.0	20.00	0	87.5	80	120			
Ethylbenzene	18	1.0	20.00	0	89.7	80	120			
Xylenes, Total	55	2.0	60.00	0	92.2	80	120			
Surr: 4-Bromofluorobenzene	22		20.00		111	80	120			

Sample ID **1812C55-001AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **MW-1**	Batch ID: **D56527**	RunNo: **56527**
Prep Date:	Analysis Date: **12/21/2018**	SeqNo: **1892694** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	94.3	80	120			
Toluene	20	1.0	20.00	0	98.2	80	120			
Ethylbenzene	20	1.0	20.00	0	100	80	120			
Xylenes, Total	60	2.0	60.00	0	100	80	120			
Surr: 4-Bromofluorobenzene	21		20.00		103	80	120			

Sample ID **1812C55-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **MW-1**	Batch ID: **D56527**	RunNo: **56527**
Prep Date:	Analysis Date: **12/21/2018**	SeqNo: **1892695** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	90.5	80	120	4.09	20	
Toluene	19	1.0	20.00	0	93.6	80	120	4.76	20	
Ethylbenzene	19	1.0	20.00	0	95.7	80	120	4.34	20	
Xylenes, Total	58	2.0	60.00	0	96.0	80	120	4.38	20	
Surr: 4-Bromofluorobenzene	21		20.00		104	80	120	0	0	

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1812C55**
09-Jan-19

Client: Animas Environmental Services
Project: BMG Evap Pond

Sample ID	**MB-42286**	SampType:	**MBLK**		TestCode:	**SM2540C MOD: Total Dissolved Solids**				
Client ID:	**PBW**	Batch ID:	**42286**		RunNo:	**56640**				
Prep Date:	**12/23/2018**	Analysis Date:	**12/28/2018**		SeqNo:	**1895294**	Units:	**mg/L**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	**LCS-42286**	SampType:	**LCS**		TestCode:	**SM2540C MOD: Total Dissolved Solids**				
Client ID:	**LCSW**	Batch ID:	**42286**		RunNo:	**56640**				
Prep Date:	**12/23/2018**	Analysis Date:	**12/28/2018**		SeqNo:	**1895295**	Units:	**mg/L**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1020	20.0	1000	0	102	80	120			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1812C55** RcptNo: **1**

Received By: **Anne Thorne** **12/20/2018 8:00:00 AM**

Completed By: **Erin Melendrez** **12/21/2018 8:41:10 AM**

Reviewed By: JAB 12/21/18

LB: DAD 12/21/18

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: DAD 12/21/18

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			
2	1.0	Good	Yes			
3	1.0	Good	Yes			
4	1.0	Good	Yes			

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1812C55** RcptNo: 1

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
5	1.0	Good	Yes			
6	1.4	Good	Yes			

Chain-of-Custody Record

Client: **Animas Environmental Services**

Mailing Address: **604 W. Pinon Street**
Farmington, NM 87401

Phone #: **505-564-2281**

email or Fax#: tknight@animasenvironmental.com

QA/QC Package:
X Standard □ Level 4 (Full Validation)

Accreditation:
□ NELAP □ Other

□ EDD (Type)

Turn-Around Time:
X Standard □ Rush

Project Name:
BMG Evap Pond

Project #:
AES 040605

Project Manager:
Tami Knight

Sampler: CL / CB

On Ice: X Yes □ No

Sample Temperature: Cooler 1 5°/1.0° / 2 1.4

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1812C55	BTEX 8021	TPH (GRO/DRO/MRO) 8015	TDS SM2540C	Chlorides 300.0	Air Bubbles (Y or N)
12-19-18 ~~9/17/2018~~ a	13:43	H2O	MW-1	(3) 40 mL glass (1) 250 mL amber glass (1) ~~500 mL~~ 1L plastic	3-HCl 2-Non	-001	X	X	X	X	
12-19-18 ~~9/17/2018~~ a	13:27	H2O	MW-2	(3) 40 mL glass (1) 250 mL amber glass (1) ~~500 mL~~ 1L plastic	3-HCl 2-Non	-002	X	X	X	X	
12-19-18 ~~9/17/2018~~ a	13:08	H2O	MW-3	(3) 40 mL glass (1) 250 mL amber glass (1) ~~500 mL~~ 1L plastic	3-HCl 2-Non	-003	X	X	X	X	
12-19-18 ~~9/17/2018~~ a	12:50	H2O	MW-4	(3) 40 mL glass (1) 250 mL amber glass (1) ~~500 mL~~ 1L plastic	3-HCl 2-Non	-004	X	X	X	X	
12-19-18 ~~9/17/2018~~	14:17	H2O	Interstitial Well	(3) 40 mL glass (1) 250 mL amber glass (1) ~~500 mL~~ 1L plastic	3-HCl 2-Non	-005	X	X	X	X	
		H2O	Trip Blank		Cold		X				

Date	Time	Relinquished by:	Received by:	Date	Time
12/19/18	1630			12/19/18	1630
12/19/18	1907			12/20/18	0800

Remarks:

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

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

December 28, 2018

Tami Knight
Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG Landfarm OrderNo.: 1812C61

Dear Tami Knight:

Hall Environmental Analysis Laboratory received 16 sample(s) on 12/20/2018 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
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1812C61**
Date Reported: **12/28/2018**

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-1
Project: BMG Landfarm
Collection Date: 12/19/2018 8:59:00 AM
Lab ID: 1812C61-001 **Matrix:** SOIL
Received Date: 12/20/2018 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/27/2018 11:40:36 AM
Motor Oil Range Organics (MRO)	68	49		mg/Kg	1	12/27/2018 11:40:36 AM
Surr: DNOP	104	50.6-138		%Rec	1	12/27/2018 11:40:36 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/26/2018 4:52:51 PM
Surr: BFB	88.8	73.8-119		%Rec	1	12/26/2018 4:52:51 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	12/26/2018 4:52:51 PM
Toluene	ND	0.049		mg/Kg	1	12/26/2018 4:52:51 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/26/2018 4:52:51 PM
Xylenes, Total	ND	0.097		mg/Kg	1	12/26/2018 4:52:51 PM
Surr: 4-Bromofluorobenzene	94.1	80-120		%Rec	1	12/26/2018 4:52:51 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-2
Project: BMG Landfarm
Collection Date: 12/19/2018 9:11:00 AM
Lab ID: 1812C61-002 **Matrix:** SOIL
Received Date: 12/20/2018 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/27/2018 12:29:23 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/27/2018 12:29:23 PM
Surr: DNOP	107	50.6-138		%Rec	1	12/27/2018 12:29:23 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/26/2018 5:15:34 PM
Surr: BFB	86.2	73.8-119		%Rec	1	12/26/2018 5:15:34 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	12/26/2018 5:15:34 PM
Toluene	ND	0.049		mg/Kg	1	12/26/2018 5:15:34 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/26/2018 5:15:34 PM
Xylenes, Total	ND	0.099		mg/Kg	1	12/26/2018 5:15:34 PM
Surr: 4-Bromofluorobenzene	91.6	80-120		%Rec	1	12/26/2018 5:15:34 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-3
Project: BMG Landfarm
Collection Date: 12/19/2018 9:22:00 AM
Lab ID: 1812C61-003 **Matrix:** SOIL
Received Date: 12/20/2018 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/27/2018 12:53:46 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/27/2018 12:53:46 PM
Surr: DNOP	109	50.6-138		%Rec	1	12/27/2018 12:53:46 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/26/2018 5:38:16 PM
Surr: BFB	88.4	73.8-119		%Rec	1	12/26/2018 5:38:16 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	12/26/2018 5:38:16 PM
Toluene	ND	0.048		mg/Kg	1	12/26/2018 5:38:16 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/26/2018 5:38:16 PM
Xylenes, Total	ND	0.096		mg/Kg	1	12/26/2018 5:38:16 PM
Surr: 4-Bromofluorobenzene	93.7	80-120		%Rec	1	12/26/2018 5:38:16 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #1 VZ S-4
Project: BMG Landfarm
Collection Date: 12/19/2018 9:30:00 AM
Lab ID: 1812C61-004 **Matrix:** SOIL
Received Date: 12/20/2018 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/27/2018 1:18:15 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/27/2018 1:18:15 PM
Surr: DNOP	109	50.6-138		%Rec	1	12/27/2018 1:18:15 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/26/2018 6:00:57 PM
Surr: BFB	85.7	73.8-119		%Rec	1	12/26/2018 6:00:57 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	12/26/2018 6:00:57 PM
Toluene	ND	0.047		mg/Kg	1	12/26/2018 6:00:57 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/26/2018 6:00:57 PM
Xylenes, Total	ND	0.094		mg/Kg	1	12/26/2018 6:00:57 PM
Surr: 4-Bromofluorobenzene	89.6	80-120		%Rec	1	12/26/2018 6:00:57 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-1
Project: BMG Landfarm
Collection Date: 12/19/2018 9:41:00 AM
Lab ID: 1812C61-005 **Matrix:** SOIL
Received Date: 12/20/2018 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/27/2018 1:42:46 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/27/2018 1:42:46 PM
Surr: DNOP	106	50.6-138		%Rec	1	12/27/2018 1:42:46 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/26/2018 6:23:41 PM
Surr: BFB	88.1	73.8-119		%Rec	1	12/26/2018 6:23:41 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	12/26/2018 6:23:41 PM
Toluene	ND	0.048		mg/Kg	1	12/26/2018 6:23:41 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/26/2018 6:23:41 PM
Xylenes, Total	ND	0.095		mg/Kg	1	12/26/2018 6:23:41 PM
Surr: 4-Bromofluorobenzene	93.5	80-120		%Rec	1	12/26/2018 6:23:41 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-2
Project: BMG Landfarm
Collection Date: 12/19/2018 9:50:00 AM
Lab ID: 1812C61-006 **Matrix:** SOIL
Received Date: 12/20/2018 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/27/2018 2:07:22 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/27/2018 2:07:22 PM
Surr: DNOP	107	50.6-138		%Rec	1	12/27/2018 2:07:22 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/26/2018 6:46:24 PM
Surr: BFB	88.5	73.8-119		%Rec	1	12/26/2018 6:46:24 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	12/26/2018 6:46:24 PM
Toluene	ND	0.049		mg/Kg	1	12/26/2018 6:46:24 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/26/2018 6:46:24 PM
Xylenes, Total	ND	0.098		mg/Kg	1	12/26/2018 6:46:24 PM
Surr: 4-Bromofluorobenzene	92.7	80-120		%Rec	1	12/26/2018 6:46:24 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-3
Project: BMG Landfarm
Collection Date: 12/19/2018 9:59:00 AM
Lab ID: 1812C61-007 **Matrix:** SOIL
Received Date: 12/20/2018 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/27/2018 2:31:43 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/27/2018 2:31:43 PM
Surr: DNOP	100	50.6-138		%Rec	1	12/27/2018 2:31:43 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/26/2018 7:09:04 PM
Surr: BFB	89.3	73.8-119		%Rec	1	12/26/2018 7:09:04 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	12/26/2018 7:09:04 PM
Toluene	ND	0.048		mg/Kg	1	12/26/2018 7:09:04 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/26/2018 7:09:04 PM
Xylenes, Total	ND	0.096		mg/Kg	1	12/26/2018 7:09:04 PM
Surr: 4-Bromofluorobenzene	93.3	80-120		%Rec	1	12/26/2018 7:09:04 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #2 VZ S-4
Project: BMG Landfarm
Collection Date: 12/19/2018 10:11:00 AM
Lab ID: 1812C61-008 **Matrix:** SOIL
Received Date: 12/20/2018 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	17	9.9		mg/Kg	1	12/27/2018 2:56:13 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/27/2018 2:56:13 PM
Surr: DNOP	100	50.6-138		%Rec	1	12/27/2018 2:56:13 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/26/2018 7:31:46 PM
Surr: BFB	86.8	73.8-119		%Rec	1	12/26/2018 7:31:46 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	12/26/2018 7:31:46 PM
Toluene	ND	0.047		mg/Kg	1	12/26/2018 7:31:46 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/26/2018 7:31:46 PM
Xylenes, Total	ND	0.095		mg/Kg	1	12/26/2018 7:31:46 PM
Surr: 4-Bromofluorobenzene	90.8	80-120		%Rec	1	12/26/2018 7:31:46 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-1
Project: BMG Landfarm
Collection Date: 12/19/2018 10:25:00 AM
Lab ID: 1812C61-009 **Matrix:** SOIL
Received Date: 12/20/2018 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/27/2018 3:20:33 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/27/2018 3:20:33 PM
Surr: DNOP	85.7	50.6-138		%Rec	1	12/27/2018 3:20:33 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/26/2018 7:54:25 PM
Surr: BFB	88.4	73.8-119		%Rec	1	12/26/2018 7:54:25 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	12/26/2018 7:54:25 PM
Toluene	ND	0.048		mg/Kg	1	12/26/2018 7:54:25 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/26/2018 7:54:25 PM
Xylenes, Total	ND	0.097		mg/Kg	1	12/26/2018 7:54:25 PM
Surr: 4-Bromofluorobenzene	92.4	80-120		%Rec	1	12/26/2018 7:54:25 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-2
Project: BMG Landfarm
Collection Date: 12/19/2018 10:37:00 AM
Lab ID: 1812C61-010 **Matrix:** SOIL
Received Date: 12/20/2018 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/27/2018 4:18:37 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/27/2018 4:18:37 PM
Surr: DNOP	103	50.6-138		%Rec	1	12/27/2018 4:18:37 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/26/2018 9:25:04 PM
Surr: BFB	87.0	73.8-119		%Rec	1	12/26/2018 9:25:04 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	12/26/2018 9:25:04 PM
Toluene	ND	0.047		mg/Kg	1	12/26/2018 9:25:04 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/26/2018 9:25:04 PM
Xylenes, Total	ND	0.094		mg/Kg	1	12/26/2018 9:25:04 PM
Surr: 4-Bromofluorobenzene	92.3	80-120		%Rec	1	12/26/2018 9:25:04 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-3
Project: BMG Landfarm
Collection Date: 12/19/2018 10:47:00 AM
Lab ID: 1812C61-011 **Matrix:** SOIL
Received Date: 12/20/2018 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/27/2018 4:43:02 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/27/2018 4:43:02 PM
Surr: DNOP	101	50.6-138		%Rec	1	12/27/2018 4:43:02 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/26/2018 9:47:42 PM
Surr: BFB	87.8	73.8-119		%Rec	1	12/26/2018 9:47:42 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	12/26/2018 9:47:42 PM
Toluene	ND	0.050		mg/Kg	1	12/26/2018 9:47:42 PM
Ethylbenzene	ND	0.050		mg/Kg	1	12/26/2018 9:47:42 PM
Xylenes, Total	ND	0.099		mg/Kg	1	12/26/2018 9:47:42 PM
Surr: 4-Bromofluorobenzene	93.0	80-120		%Rec	1	12/26/2018 9:47:42 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #3 VZ S-4
Project: BMG Landfarm
Collection Date: 12/19/2018 10:57:00 AM
Lab ID: 1812C61-012 **Matrix:** SOIL
Received Date: 12/20/2018 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/27/2018 5:07:21 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/27/2018 5:07:21 PM
Surr: DNOP	104	50.6-138		%Rec	1	12/27/2018 5:07:21 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/26/2018 10:32:26 AM
Surr: BFB	88.4	73.8-119		%Rec	1	12/26/2018 10:32:26 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	12/26/2018 10:32:26 AM
Toluene	ND	0.049		mg/Kg	1	12/26/2018 10:32:26 AM
Ethylbenzene	ND	0.049		mg/Kg	1	12/26/2018 10:32:26 AM
Xylenes, Total	ND	0.098		mg/Kg	1	12/26/2018 10:32:26 AM
Surr: 4-Bromofluorobenzene	90.7	80-120		%Rec	1	12/26/2018 10:32:26 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-1
Project: BMG Landfarm
Collection Date: 12/19/2018 11:11:00 AM
Lab ID: 1812C61-013 **Matrix:** SOIL
Received Date: 12/20/2018 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/27/2018 5:31:43 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/27/2018 5:31:43 PM
Surr: DNOP	105	50.6-138		%Rec	1	12/27/2018 5:31:43 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/26/2018 11:42:42 AM
Surr: BFB	88.3	73.8-119		%Rec	1	12/26/2018 11:42:42 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	12/26/2018 11:42:42 AM
Toluene	ND	0.047		mg/Kg	1	12/26/2018 11:42:42 AM
Ethylbenzene	ND	0.047		mg/Kg	1	12/26/2018 11:42:42 AM
Xylenes, Total	ND	0.094		mg/Kg	1	12/26/2018 11:42:42 AM
Surr: 4-Bromofluorobenzene	90.5	80-120		%Rec	1	12/26/2018 11:42:42 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-2
Project: BMG Landfarm
Collection Date: 12/19/2018 11:22:00 AM
Lab ID: 1812C61-014 **Matrix:** SOIL
Received Date: 12/20/2018 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/27/2018 5:55:52 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/27/2018 5:55:52 PM
Surr: DNOP	106	50.6-138		%Rec	1	12/27/2018 5:55:52 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/26/2018 12:54:08 PM
Surr: BFB	90.3	73.8-119		%Rec	1	12/26/2018 12:54:08 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	12/26/2018 12:54:08 PM
Toluene	ND	0.047		mg/Kg	1	12/26/2018 12:54:08 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/26/2018 12:54:08 PM
Xylenes, Total	ND	0.093		mg/Kg	1	12/26/2018 12:54:08 PM
Surr: 4-Bromofluorobenzene	91.6	80-120		%Rec	1	12/26/2018 12:54:08 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-3
Project: BMG Landfarm
Collection Date: 12/19/2018 11:31:00 AM
Lab ID: 1812C61-015 **Matrix:** SOIL
Received Date: 12/20/2018 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/27/2018 6:20:02 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/27/2018 6:20:02 PM
Surr: DNOP	97.9	50.6-138		%Rec	1	12/27/2018 6:20:02 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/26/2018 1:17:50 PM
Surr: BFB	90.2	73.8-119		%Rec	1	12/26/2018 1:17:50 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	12/26/2018 1:17:50 PM
Toluene	ND	0.047		mg/Kg	1	12/26/2018 1:17:50 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/26/2018 1:17:50 PM
Xylenes, Total	ND	0.094		mg/Kg	1	12/26/2018 1:17:50 PM
Surr: 4-Bromofluorobenzene	91.3	80-120		%Rec	1	12/26/2018 1:17:50 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: Cell #4 VZ S-4
Project: BMG Landfarm
Collection Date: 12/19/2018 11:42:00 AM
Lab ID: 1812C61-016 **Matrix:** SOIL
Received Date: 12/20/2018 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/27/2018 6:44:13 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/27/2018 6:44:13 PM
Surr: DNOP	96.4	50.6-138		%Rec	1	12/27/2018 6:44:13 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/26/2018 1:41:21 PM
Surr: BFB	89.9	73.8-119		%Rec	1	12/26/2018 1:41:21 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.023		mg/Kg	1	12/26/2018 1:41:21 PM
Toluene	ND	0.047		mg/Kg	1	12/26/2018 1:41:21 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/26/2018 1:41:21 PM
Xylenes, Total	ND	0.093		mg/Kg	1	12/26/2018 1:41:21 PM
Surr: 4-Bromofluorobenzene	90.5	80-120		%Rec	1	12/26/2018 1:41:21 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1812C61**

28-Dec-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**LCS-42318**	SampType:	**LCS**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**LCSS**	Batch ID:	**42318**		RunNo:	**56610**				
Prep Date:	**12/26/2018**	Analysis Date:	**12/27/2018**		SeqNo:	**1893992**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.0	70	130			
Surr: DNOP	4.8		5.000		96.1	50.6	138			

Sample ID	**MB-42318**	SampType:	**MBLK**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**PBS**	Batch ID:	**42318**		RunNo:	**56610**				
Prep Date:	**12/26/2018**	Analysis Date:	**12/27/2018**		SeqNo:	**1893993**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		101	50.6	138			

Sample ID	**1812C61-016AMS**	SampType:	**MS**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**Cell #4 VZ S-4**	Batch ID:	**42318**		RunNo:	**56610**				
Prep Date:	**12/26/2018**	Analysis Date:	**12/27/2018**		SeqNo:	**1895422**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	9.5	47.62	0	96.7	53.5	126			
Surr: DNOP	4.9		4.762		103	50.6	138			

Sample ID	**1812C61-016AMSD**	SampType:	**MSD**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**Cell #4 VZ S-4**	Batch ID:	**42318**		RunNo:	**56610**				
Prep Date:	**12/26/2018**	Analysis Date:	**12/27/2018**		SeqNo:	**1895423**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	9.3	46.25	0	97.7	53.5	126	1.89	21.7	
Surr: DNOP	4.8		4.625		103	50.6	138	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1812C61**

28-Dec-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-42266**	SampType:	**MBLK**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**PBS**	Batch ID:	**42266**		RunNo:	**56601**				
Prep Date:	**12/21/2018**	Analysis Date:	**12/26/2018**		SeqNo:	**1893625**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	920		1000		92.2	73.8	119			

Sample ID	**LCS-42266**	SampType:	**LCS**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**LCSS**	Batch ID:	**42266**		RunNo:	**56601**				
Prep Date:	**12/21/2018**	Analysis Date:	**12/26/2018**		SeqNo:	**1893626**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	111	80.1	123			
Surr: BFB	1000		1000		105	73.8	119			

Sample ID	**1812C61-013AMS**	SampType:	**MS**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**Cell #4 VZ S-1**	Batch ID:	**42266**		RunNo:	**56601**				
Prep Date:	**12/21/2018**	Analysis Date:	**12/26/2018**		SeqNo:	**1893629**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.8	23.97	0	93.2	77.8	128			
Surr: BFB	970		958.8		101	73.8	119			

Sample ID	**1812C61-013AMSD**	SampType:	**MSD**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**Cell #4 VZ S-1**	Batch ID:	**42266**		RunNo:	**56601**				
Prep Date:	**12/21/2018**	Analysis Date:	**12/26/2018**		SeqNo:	**1893630**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.8	23.97	0	104	77.8	128	11.1	20	
Surr: BFB	1000		958.8		107	73.8	119	0	0	

Sample ID	**MB-42264**	SampType:	**MBLK**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**PBS**	Batch ID:	**42264**		RunNo:	**56602**				
Prep Date:	**12/21/2018**	Analysis Date:	**12/26/2018**		SeqNo:	**1893678**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	950		1000		95.2	73.8	119			

Sample ID	**LCS-42264**	SampType:	**LCS**		TestCode:	**EPA Method 8015D: Gasoline Range**				
Client ID:	**LCSS**	Batch ID:	**42264**		RunNo:	**56602**				
Prep Date:	**12/21/2018**	Analysis Date:	**12/26/2018**		SeqNo:	**1893679**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1812C61**
28-Dec-18

Client: Animas Environmental Services
Project: BMG Landfarm

Sample ID	**LCS-42264**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSS**	Batch ID:	**42264**	RunNo:	**56602**					
Prep Date:	**12/21/2018**	Analysis Date:	**12/26/2018**	SeqNo:	**1893679**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.2	80.1	123			
Surr: BFB	1100		1000		111	73.8	119			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1812C61**

28-Dec-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-42266**	SampType: **MBLK**		TestCode: **EPA Method 8021B: Volatiles**					
Client ID:	**PBS**	Batch ID: **42266**		RunNo: **56601**					
Prep Date:	**12/21/2018**	Analysis Date: **12/26/2018**		SeqNo: **1893651**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.93		1.000		93.2	80	120			

Sample ID	**LCS-42266**	SampType: **LCS**		TestCode: **EPA Method 8021B: Volatiles**					
Client ID:	**LCSS**	Batch ID: **42266**		RunNo: **56601**					
Prep Date:	**12/21/2018**	Analysis Date: **12/26/2018**		SeqNo: **1893652**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.3	80	120			
Toluene	0.98	0.050	1.000	0	98.0	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.2	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.4	80	120			
Surr: 4-Bromofluorobenzene	0.95		1.000		95.0	80	120			

Sample ID	**1812C61-012AMS**	SampType: **MS**		TestCode: **EPA Method 8021B: Volatiles**					
Client ID:	**Cell #3 VZ S-4**	Batch ID: **42266**		RunNo: **56601**					
Prep Date:	**12/21/2018**	Analysis Date: **12/26/2018**		SeqNo: **1893654**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.82	0.024	0.9785	0	84.2	63.9	127			
Toluene	0.86	0.049	0.9785	0.009491	87.4	69.9	131			
Ethylbenzene	0.87	0.049	0.9785	0	89.0	71	132			
Xylenes, Total	2.6	0.098	2.935	0.01429	88.9	71.8	131			
Surr: 4-Bromofluorobenzene	0.88		0.9785		90.3	80	120			

Sample ID	**1812C61-012AMSD**	SampType: **MSD**		TestCode: **EPA Method 8021B: Volatiles**					
Client ID:	**Cell #3 VZ S-4**	Batch ID: **42266**		RunNo: **56601**					
Prep Date:	**12/21/2018**	Analysis Date: **12/26/2018**		SeqNo: **1893655**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.79	0.024	0.9533	0	83.4	63.9	127	3.68	20	
Toluene	0.83	0.048	0.9533	0.009491	85.8	69.9	131	4.37	20	
Ethylbenzene	0.83	0.048	0.9533	0	87.2	71	132	4.66	20	
Xylenes, Total	2.5	0.095	2.860	0.01429	87.3	71.8	131	4.46	20	
Surr: 4-Bromofluorobenzene	0.86		0.9533		90.4	80	120	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1812C61**

28-Dec-18

Client: Animas Environmental Services

Project: BMG Landfarm

Sample ID	**MB-42264**	SampType: **MBLK**		TestCode: **EPA Method 8021B: Volatiles**					
Client ID:	**PBS**	Batch ID: **42264**		RunNo: **56602**					
Prep Date:	**12/21/2018**	Analysis Date: **12/26/2018**		SeqNo: **1893709**		Units: **mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			

Sample ID	**LCS-42264**	SampType: **LCS**		TestCode: **EPA Method 8021B: Volatiles**					
Client ID:	**LCSS**	Batch ID: **42264**		RunNo: **56602**					
Prep Date:	**12/21/2018**	Analysis Date: **12/26/2018**		SeqNo: **1893710**		Units: **mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.025	1.000	0	84.0	80	120			
Toluene	0.90	0.050	1.000	0	90.2	80	120			
Ethylbenzene	0.94	0.050	1.000	0	93.7	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.7	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		109	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1812C61** RcptNo: 1

Received By: **Anne Thorne** **12/20/2018 8:00:00 AM**

Completed By: **Erin Melendrez** **12/21/2018 9:20:10 AM**

Reviewed By: VNZ 12/21/18

LB: JAB 12/21/18

Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☑
10. Were any sample containers received broken? Yes ☐ No ☑

    # of preserved bottles checked for pH: (<2 or >12 unless noted)

    Adjusted?

    Checked by: JAB 12/21/18
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

    Person Notified: Date:

    By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

    Regarding:

    Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			
2	1.0	Good	Yes			
3	1.0	Good	Yes			
4	1.0	Good	Yes			

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Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1812C61** RcptNo: 1

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
5	1.0	Good	Yes			
6	1.4	Good	Yes			

Chain-of-Custody Record

Client:	Animas Environmental Services	Turn-Around Time: X Standard ☐ Rush	
		Project Name: BMG Landfarm	
Mailing Address:	604 W. Pinon Street		
	Farmington, NM 87401	Project #: AES 040605	
Phone #:	505-564-2281		
email or Fax#:	tknight@animasenvironmental.com	Project Manager: Tami Knight	
QA/QC Package: X Standard ☐ Level 4 (Full Validation)			
Accreditation: ☐ NELAP ☐ Other		Sampler: CL	
☐ EDD (Type)		On Ice: X Yes ☐ No	
		Sample Temperature: Ice -> 5E 1.0 1.4	

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1812C101	BTEX (8021)	TPH (GRO/DRO, MRO) 8015								Air Bubbles (Y or N)
12/19/2018	8:59	Soil	Cell #1 VZ S-1	2 - 4 oz jars	Cool	-001	X	X								
12/19/2018	9:11	Soil	Cell #1 VZ S-2	2 - 4 oz jars	Cool	-002	X	X								
12/19/2018	9:22	Soil	Cell #1 VZ S-3	2 - 4 oz jars	Cool	-003	X	X								
12/19/2018	9:30	Soil	Cell #1 VZ S-4	2 - 4 oz jars	Cool	-004	X	X								
12/19/2018	9:41	Soil	Cell #2 VZ S-1	2 - 4 oz jars	Cool	-005	X	X								
12/19/2018	9:50	Soil	Cell #2 VZ S-2	2 - 4 oz jars	Cool	-006	X	X								
12/19/2018	9:59	Soil	Cell #2 VZ S-3	2 - 4 oz jars	Cool	-007	X	X								
12/19/2018	10:11	Soil	Cell #2 VZ S-4	2 - 4 oz jars	Cool	-008	X	X								

Chain-of-Custody Record

Client:	Animas Environmental Services
Mailing Address:	604 W. Pinon Street Farmington, NM 87401
Phone #:	505-564-2281
email or Fax#:	tknight@animasenvironmental.com
QA/QC Package:	X Standard □ Level 4 (Full Validation)
Accreditation:	□ NELAP □ Other
□ EDD (Type)	

Turn-Around Time: X Standard □ Rush

Project Name: BMG Landfarm

Project #: AES 040605

Project Manager: Tami Knight

Sampler: CL / GB

On Ice: X Yes □ No

Sample Temperature: Circles 5.2 1.9 1.4

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www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1812C61	BTEX (8021)	TPH-GRO, DRO, MRO (8015)	Air Bubbles (Y or N)
12/19/2018	10:25	Soil	Cell #3 VZ S-1	2 - 4 oz jars	Cool	-010 / -009	X	X	
12/19/2018	10:37	Soil	Cell #3 VZ S-2	2 - 4 oz jars	Cool	-011 / -010	X	X	
12/19/2018	10:47	Soil	Cell #3 VZ S-3	2 - 4 oz jars	Cool	-012 / -011	X	X	
12/19/2018	10:57	Soil	Cell #3 VZ S-4	2 - 4 oz jars	Cool	-013 / -012	X	X	
12/19/2018	11:11	Soil	Cell #4 VZ S-1	2 - 4 oz jars	Cool	-014 / -013	X	X	
12/19/2018	11:22	Soil	Cell #4 VZ S-2	2 - 4 oz jars	Cool	-015 / -014	X	X	
12/19/2018	11:31	Soil	Cell #4 VZ S-3	2 - 4 oz jars	Cool	-016 / -015	X	X	
12/19/2018	11:42	Soil	Cell #4 VZ S-4	2 - 4 oz jars	Cool	-017 / -016	X	X	

	Time	Relinquished by	Received by	Date	Time
Date: 12/19/18	Time: 1630			12/19/18	1630
Date: 12/19/18	Time: 1907 ~~1830~~	Relinquished by:	Received by:	12/20/18	0800

Remarks: Call if questions.

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.