NM1 - ___9_____

APPROVED FACILITY BACKGROUND

__ 2015___

Jones, Brad A., EMNRD

From: Jones, Brad A., EMNRD
Sent: Tuesday, July 21, 2015 9:44 AM
To: 'Shacie Murray'
Subject: RE: FW: NM1-9-0 Background

Shacie,

The Oil Conservation Division hereby approves the facility background and PQL demonstration emailed July 15, 2015 and dated July 14, 2015. If you have any questions regarding this matter please do not hesitate to contact me.

Brad

Brad A. Jones
Environmental Engineer
EMNRD Oil Conservation Division
1220 S. Saint Francis Drive
Santa Fe, New Mexico 87505
E-mail: brad.a.jones@state.nm.us
Office: (505) 476-3487
Fax: (505) 476-3462

From: Shacie Murray [mailto:shacie@merrion.bz]
Sent: Wednesday, July 15, 2015 10:55 AM
To: Jones, Brad A., EMNRD
Subject: Re: FW: NM1-9-0 Background

Brad,

Please see attached background proposal for the Sunco facility permit NM1-9-0. The proposal is also uploaded to the FPT site filezilla under NM1-9 then Background, document dated 2015-07-14.

Thank you.

Shacie Murray

Merrion Oil & Gas
Operations Department
(505) 324-5324
shacie@merrion.bz

On Tue, Jul 14, 2015 at 5:41 PM, Shacie Murray <shacie@merrion.bz> wrote:

Brad,

Please see attached background proposal for the Sunco facility permit NM1-9-0. The proposal will be uploaded first thing in the morning to the FPT site filezilla under NM1-9 then Background, document dated 2015-07-14.

Thank you.

Shacie Murray

Merrion Oil & Gas
Operations Department
(505) 324-5324
shacie@merrion.bz

On Tue, Jul 14, 2015 at 3:06 PM, Jones, Brad A., EMNRD <brad.a.jones@state.nm.us> wrote:

Brad A. Jones

Environmental Engineer

EMNRD Oil Conservation Division

1220 S. Saint Francis Drive

Santa Fe, New Mexico 87505

E-mail: brad.a.jones@state.nm.us

Office: (505) 476-3487

Fax: (505) 476-3462

From: Shacie Murray [mailto:shacie@merrion.bz]
Sent: Wednesday, July 08, 2015 4:11 PM
To: Jones, Brad A., EMNRD
Cc: Griswold, Jim, EMNRD; Ryan Davis
Subject: NM1-9-0 Background

Brad,

Please see attached background proposal for the Sunco facility permit NM1-9-0. The proposal is also uploaded to the FPT site filezilla under NM1-9 then Background, document dated 2015-07-08.

Jones, Brad A., EMNRD

From: Shacie Murray <shacie@merrion.bz>
Sent: Wednesday, July 15, 2015 10:55 AM
To: Jones, Brad A., EMNRD
Subject: Re: FW: NM1-9-0 Background
Attachments: 2015-07-14 NM1-9-0 Background.pdf

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>
> **Shacie Murray**
>
> **Merrion Oil & Gas**
> Operations Department
> (505) 324-5324
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> > *Brad A. Jones*
> >
> > *Environmental Engineer*
> >
> > *EMNRD Oil Conservation Division*

1220 S. Saint Francis Drive

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Thank you.

Shacie Murray

Merrion Oil & Gas

Operations Department

(505) 324-5324

shacie@merrion.bz

Agua Moss

July 14, 2015

Mr. Brad Jones
Oil Conservation Division
New Mexico Energy, Minerals and
Natural Resources Department
1220 S. St. Francis Drive
Santa Fe, NM 87505

Re: Permit NM1-9-0
Background Soil Concentrations

Mr. Jones,

This letters intent is to formally submit the analyzed background soil concentrations for the Agua Moss Surface Waste Management Facility, located in Section 2, Township 29 North, Range 12 West, San Juan County, New Mexico. Attached to this letter are three exhibits; Exhibit A is Analyzed Background Soil Concentration, Exhibit B is Envirotech Background Sampling from September 2012 and Exhibit C is Envirotech Background Sampling from May 2015.

Due to communication errors and misunderstanding, the soil sampling from 2012 that should have been a full background to replace the original 1997 background, which has misrepresentative results and is therefore inadequate, was not conducted correctly and did not test for the right constituents. During the process of writing a closure plan for the remaining NM1-9-0 facility, the Environmental Bureau in Santa Fe and Agua Moss decided that the best possible solution to create a full background would be to resample the area very near to the 2012 sampling location and test for the remaining parameters (see Approved Background Sampling Plan 2015). Together the 2012 and 2015 background sampling results combine into one complete facility background.

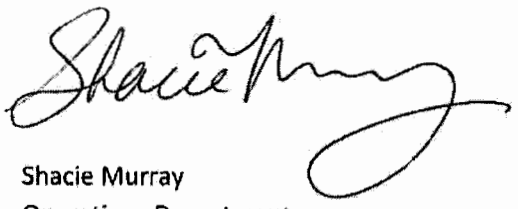
The background soil samples attached in Exhibit B and C were analyzed according to the guidance given in the March 2009 EPA Unified Guidance, Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities. BTEX parameters and detection limits were converted from micrograms to milligrams to match the units of current sampling. Non-detects in the data were handled according to chapter 15.2, Imputing Non-Detect Values by Simple Substitution. The document recommended simple substitution of half the reporting limit because the sampling consisted of only two samples. Results displayed as "less than" values were handled in the same manner as non-detects, one half of the reporting limit was substituted for the

value. After the substitutions on the two sample values were made, the mean of both the parameter and detection limit was taken as outlined in chapter 3.3, Common Statistical Measures. The mean parameter value was compared to the mean detection limit and the higher of the two is recorded as the standard and shown in the last column of Exhibit A.

Thank you for your patients and assistance in this matter. If you have any questions or concerns please contact me at shacie@merrion.bz or 505-324-5324.

Sincerely,

Agua Moss



Shacie Murray
Operations Department
shacie@merrion.bz

Exhibit A

Analyzed Background Soil Concentrations

Analyzed Background Soil Concentration

Sample Date: Sept. 17, 2012	Detection			Det. Limit		Non-Detect Sub.		Mean		Adjusted Facility Background	
Parameter	5E Corner	NW Corner		5E Corner	NW Corner	5E Corner	NW Corner	5E/NW Average	Det. Limit		
Gasoline Range (C5-C10)	ND	ND	(mg/kg)	0.2	0.2	0.1	0.1	0.1	0.2	**0.2**	(mg/kg)
Diesel Range (C10-C28)	ND	ND	(mg/kg)	0.1	0.1	0.05	0.05	0.05	0.1	**0.1**	(mg/kg)
TPH (Method 8015B)	ND	ND	(mg/kg)	0.1	0.1	0.05	0.05	0.05	0.1	**0.1**	(mg/kg)
Benzene	ND	ND	(mg/kg)	0.01	0.01	0.005	0.005	0.005	0.01	**0.01**	(mg/kg)
Toluene	ND	ND	(mg/kg)	0.01	0.01	0.005	0.005	0.005	0.01	**0.01**	(mg/kg)
Ethylbenzene	ND	ND	(mg/kg)	0.01	0.01	0.005	0.005	0.005	0.01	**0.01**	(mg/kg)
p,m-Xylene	ND	0.0136	(mg/kg)	0.01	0.01	0.005		0.0093	0.01	**0.01**	(mg/kg)
o-Xylene	ND	ND	(mg/kg)	0.01	0.01	0.005	0.005	0.005	0.01	**0.01**	(mg/kg)
Total BTEX	ND	0.0136	(mg/kg)	0.01	0.01	0.005		0.0093	0.01	**0.01**	(mg/kg)
pH	7.78	7.69	(s.u.)					7.735		**7.735**	(s.u.)
Conductivity @ 25°C	476	368	(umhos/cm)					422		**422**	(umhos/cm)
Total Dissolved Solids @ 180C	332	288	(mg/L)					310		**310**	(mg/L)
SAR	1.50	0.400						0.95		**0.95**	
Total Alkalinity as CaCO3	98.0	87.0	(mg/L)					92.5		**92.5**	(mg/L)
Total Hardness as CaCO3	124	121	(mg/L)					122.5		**122.5**	(mg/L)
Bicarbonate as CaCO3	98.0	87.0	(mg/L)	0.01	0.01			92.5	0.01	**92.5**	(mg/L)
Carbonate as CaCO3	ND	ND	(mg/L)	0.01	0.01	0.005	0.005	0.005	0.01	**0.01**	(mg/L)
Hydroxide as CaCO3	ND	ND	(mg/L)	0.01	0.01	0.005	0.005	0.005	0.01	**0.01**	(mg/L)
Nitrate Nitrogen	21.6	23.0	(mg/L)	0.01	0.01			22.3	0.01	**22.3**	(mg/L)
Nitrite Nitrogen	ND	ND	(mg/L)	0.01	0.01	0.005	0.005	0.005	0.01	**0.01**	(mg/L)
Chloride	38.2	40.1	(mg/L)	0.01	0.01			39.15	0.01	**39.15**	(mg/L)
Fluoride	2.01	ND	(mg/L)	0.01	0.01		0.01	1.0075	0.01	**1.0075**	(mg/L)
Phosphate	ND	3.40	(mg/L)	0.01	0.01	0.005		1.7025	0.01	**1.7025**	(mg/L)
Sulfate	247	34.6	(mg/L)	0.01	0.01			140.8	0.01	**140.8**	(mg/L)
Iron	ND	ND	(mg/L)	0.01	0.01	0.005	0.005	0.005	0.01	**0.01**	(mg/L)
Calcium	36.5	37.9	(mg/L)	0.01	0.01			37.2	0.01	**37.2**	(mg/L)
Magnesium	7.90	6.52	(mg/L)	0.01	0.01			7.21	0.01	**7.21**	(mg/L)
Potassium	3.68	12.9	(mg/L)	0.01	0.01			8.29	0.01	**8.29**	(mg/L)
Sodium	39.4	10.8	(mg/L)	0.01	0.01			25.1	0.01	**25.1**	(mg/L)
Cyanide (total)	0.004	0.002	(mg/L)					0.003		**0.003**	(mg/L)
Arsenic	4.16	3.65	(mg/kg)	0.01	0.01			3.905	0.01	**3.905**	(mg/kg)
Barium	231	318	(mg/kg)	0.01	0.01			274.5	0.01	**274.5**	(mg/kg)
Cadmium	0.49	0.66	(mg/kg)	0.01	0.01			0.575	0.01	**0.575**	(mg/kg)
Chromium	8.63	9.25	(mg/kg)	0.01	0.01			8.94	0.01	**8.94**	(mg/kg)
Copper	6.68	14.0	(mg/kg)	0.01	0.01			10.34	0.01	**10.34**	(mg/kg)
Lead	11.8	22.3	(mg/kg)	0.01	0.01			17.05	0.01	**17.05**	(mg/kg)
Mercury	0.41	0.22	(mg/kg)	0.01	0.01			0.315	0.01	**0.315**	(mg/kg)
Manganese	218	298	(mg/kg)	0.01	0.01			258	0.01	**258**	(mg/kg)
Selenium	0.46	0.73	(mg/kg)	0.01	0.01			0.595	0.01	**0.595**	(mg/kg)
Silver	ND	0.50	(mg/kg)	0.01	0.01	0.005		0.2525	0.01	**0.2525**	(mg/kg)
Zinc	21.9	54.9	(mg/kg)	0.01	0.01			38.4	0.01	**38.4**	(mg/kg)

Sample Date: May 21, 2015	Detection			Det. Limit		Non-Detect Sub.		Mean		Adjusted Facility Background	
Parameter	SE Corner	NW Corner		SE Corner	NW Corner	SE Corner	NW Corner	SE/NW Average	Det. Limit		
TPH (Method 418.1)	ND	ND	(mg/kg)	34.3	35.4	17.15	17.70	17.425	34.85	**34.85**	(mg/kg)
Uranium	0.86	2.978	(pCi/g)	0.846	0.976			1.919	0.911	**1.919**	(pCi/g)
U-235	-0.182	0.060	(pCi/g)	0.846	0.976			-0.061	0.911	**0.911**	(pCi/g)
U-238	1.042	2.918	(pCi/g)	3.630	3.680			1.98	3.655	**3.655**	(pCi/g)
Polychlorinated Biphenyls	148.3	157.5	(mg/kg)	0.0189	0.0187			152.9	0.0188	**152.9**	(mg/kg)
PCB 1016	ND	ND	(mg/kg)	0.0189	0.0187	0.00945	0.00935	0.0094	0.0188	**0.0188**	(mg/kg)
PCB 1221	ND	ND	(mg/kg)	0.0189	0.0187	0.00945	0.00935	0.0094	0.0188	**0.0188**	(mg/kg)
PCB 1232	ND	ND	(mg/kg)	0.0189	0.0187	0.00945	0.00935	0.0094	0.0188	**0.0188**	(mg/kg)
PCB 1242	ND	ND	(mg/kg)	0.0189	0.0187	0.00945	0.00935	0.0094	0.0188	**0.0188**	(mg/kg)
PCB 1248	ND	ND	(mg/kg)	0.0189	0.0187	0.00945	0.00935	0.0094	0.0188	**0.0188**	(mg/kg)
PCB 1254	ND	ND	(mg/kg)	0.0189	0.0187	0.00945	0.00935	0.0094	0.0188	**0.0188**	(mg/kg)
PCB 1260	ND	ND	(mg/kg)	0.0189	0.0187	0.00945	0.00935	0.0094	0.0188	**0.0188**	(mg/kg)
(S) Decachlorobiphenyl	65.5	76.0	(mg/kg)	10.0	10.0			70.75	10.0	**70.75**	(mg/kg)
(S) Tetrachloro-m-xylene	82.8	81.5	(mg/kg)	29.2	29.2			82.15	29.2	**82.15**	(mg/kg)
Carbon Tetrachloride	ND	ND	(mg/kg)	0.00556	0.00551	0.00278	0.002755	0.0027675	0.005535	**0.005535**	(mg/kg)
1,2-dichloroethane	ND	ND	(mg/kg)	0.00556	0.00551	0.00278	0.002755	0.0027675	0.005535	**0.005535**	(mg/kg)
1,1-dichloroethylene[1]	ND	ND	(mg/kg)	0.00556	0.00551	0.00278	0.002755	0.0027675	0.005535	**0.005535**	(mg/kg)
1,1,2,2-tetrachloroethylene[2]	ND	ND	(mg/kg)	0.00556	0.00551	0.00278	0.002755	0.0027675	0.005535	**0.005535**	(mg/kg)
1,1,2-trichloroethylene[3]	ND	ND	(mg/kg)	0.00556	0.00551	0.00278	0.002755	0.0027675	0.005535	**0.005535**	(mg/kg)
Methylene Chloride	ND	ND	(mg/kg)	0.0278	0.0275	0.0139	0.01375	0.013825	0.02765	**0.02765**	(mg/kg)
Chloroform	ND	ND	(mg/kg)	0.0278	0.0275	0.0139	0.01375	0.013825	0.02765	**0.02765**	(mg/kg)
1,1-dichloroethane	ND	ND	(mg/kg)	0.00556	0.00551	0.00278	0.002755	0.0027675	0.005535	**0.005535**	(mg/kg)
Ethylene Dibromide[4]	ND	ND	(mg/kg)	0.00556	0.00551	0.00278	0.002755	0.0027675	0.005535	**0.005535**	(mg/kg)
1,1,1-trichloroethane	ND	ND	(mg/kg)	0.00556	0.00551	0.00278	0.002755	0.0027675	0.005535	**0.005535**	(mg/kg)
1,1,2-trichloroethane	ND	ND	(mg/kg)	0.00556	0.00551	0.00278	0.002755	0.0027675	0.005535	**0.005535**	(mg/kg)
1,1,2,2-tetrachloroethane	ND	ND	(mg/kg)	0.00556	0.00551	0.00278	0.002755	0.0027675	0.005535	**0.005535**	(mg/kg)
Vinyl Chloride	ND	ND	(mg/kg)	0.00556	0.00551	0.00278	0.002755	0.0027675	0.005535	**0.005535**	(mg/kg)
Benzo-a-pyrene	ND	ND	(mg/kg)	0.0367	0.0364	0.01835	0.0182	0.018275	0.03655	**0.03655**	(mg/kg)
Phenols	ND	ND	(mg/kg)	0.370	0.367	0.185	0.1835	0.18425	0.3685	**0.3685**	(mg/kg)
PAHs: total naphthalene plus monomethylnaphthalenes	ND	ND	(mg/kg)	0.0367	0.0364	0.01835	0.0182	0.018275	0.03655	**0.03655**	(mg/kg)
Naphthalene	ND	ND	(mg/kg)	0.0367	0.0364	0.01835	0.0182	0.018275	0.03655	**0.03655**	(mg/kg)
Monomethylnaphthalenes[5]	ND	ND	(mg/kg)	0.0556	0.0551	0.0278	0.02755	0.027675	0.05535	**0.05535**	(mg/kg)
Radioactivity: Combined Radium-226 & Radium-228[6]		7.588	(pCi/g)			3.499		5.5435		**5.5435**	(pCi/g)
Radium-226	ND	5.249	(pCi/g)	3.660	2.990	1.83		3.5395	3.325	**3.5395**	(pCi/g)
Radium-228	1.669	2.339	(pCi/g)	0.286	0.243			2.004	0.2645	**2.004**	(pCi/g)

For ND and < values, 1/2 of the Detection Limit was used as the substitution method.

[1]Named 1,1-Dichloroethene in sampling results.

[2]Named Tetrachloroethene in sampling results.

[3]Named Trichloroethene in sampling results.

[4]Named 1,2-Dibromoethane in sampling results.

[5]Named 1- and 2- Methylnaphthalene in sampling results.

[6]Value is a sum.

Exhibit B

Envirotech Background Sampling

September 2012

envirotech

September 26, 2012 Project Number: 07117-0005

Ms. Philana Thompson
Regulatory Compliance
Agua Moss
345 CR 350
Farmington, New Mexico 87401 Phone: (505)-324-5336

RE: BACKGROUND SOIL SAMPLING AND ANALYTICAL RESULTS, AGUA MOSS, SAN JUAN COUNTY, NEW MEXICO

Dear Ms. Thompson:

Please find enclosed the analytical results and aerial maps for the Agua Moss background samples located in Section 2, Township 29 North, Range 12 West, San Juan County, New Mexico. Activities included sample collection and analysis, documentation and reporting in alignment with the information and locations provided by Agua Moss.

If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully Submitted,
ENVIROTECH, INC.

Christopher Arrigo
Environmental Scientist
carrigo@envirotech-inc.com

Enclosure: Analytical Results
Figure 1: Southeast Corner
Figure 2: Northwest Corner

Cc: Client File Number: 07117

Source: 2012 Google Earth,, San Juan County, New Mexico

LEGEND
● Background Soil Sample

envirotech
ENVIRONMENTAL SCIENTISTS & ENGINEERS

5796 U.S. HIGHWAY 64
Farmington, New Mexico 87401
505.632.0615

Figure 1
Agua Moss
Aerial Map - Southeast Corner
Section 2, Township 29 N, Range 12 W
San Juan County, New Mexico

PROJECT Number:07117-0005	Date Drawn: 09/24/12
DRAWN BY: Christopher Artigo	PROJECT MANAGER: Greg Crabtree

Source: Google Earth, 2012, San Juan County, New Mexico

LEGEND
● Background Soil Sample

envirotech
ENVIRONMENTAL SCIENTISTS & ENGINEERS

5796 U.S. HIGHWAY 64
Farmington, New Mexico 87401
505.632.0615

Figure 2
Agua Moss
Aerial Map - Northwest Corner
Section 2, Township 29 N, Range 12 W
San Juan County, New Mexico

PROJECT Number:07117-0005 | Date Drawn: 09/24/12 | DRAWN BY: Christopher Arrigo | PROJECT MANAGER: Greg Crabtree

envirotech
Analytical Laboratory

Report Summary

Client: Agua Moss

Chain of Custody Number: 14447

Samples Received: 09-17-12

Job Number: 07117-0005

Sample Number(s): 63243-63244

Project Name/Location: Background Samples

Entire Report Reviewed By: _____ Date: 9/25/12

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com
laboratory@envirotech-inc.com

envirotech
Analytical Laboratory

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Agua Moss	Project #:	07117-0005
Sample ID:	5pt Comp SE Corner	Date Reported:	09-19-12
Laboratory Number:	63243	Date Sampled:	09-17-12
Chain of Custody No:	14447	Date Received:	09-17-12
Sample Matrix:	Soil	Date Extracted:	09-17-12
Preservative:	Cool	Date Analyzed:	09-18-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**ND**	**0.2**
Diesel Range (C10 - C28)	**ND**	**0.1**
Total Petroleum Hydrocarbons	**ND**	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Background Samples**

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envirotech
Analytical Laboratory

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Agua Moss	Project #:	07117-0005
Sample ID:	5pt Comp NW Corner	Date Reported:	09-19-12
Laboratory Number:	63244	Date Sampled:	09-17-12
Chain of Custody No:	14447	Date Received:	09-17-12
Sample Matrix:	Soil	Date Extracted:	09-17-12
Preservative:	Cool	Date Analyzed:	09-18-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**ND**	**0.2**
Diesel Range (C10 - C28)	**ND**	**0.1**
Total Petroleum Hydrocarbons	**ND**	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Background Samples**

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Analytical Laboratory

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	0918TCAL QA/QC	Date Reported:	09-19-12
Laboratory Number:	63194	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-18-12
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	09-18-12	9.9960E+02	1.0000E+03	**0.04%**	**0 - 15%**
Diesel Range C10 - C28	09-18-12	9.9960E+02	1.0000E+03	**0.04%**	**0 - 15%**

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	**ND**	**0.2**
Diesel Range C10 - C28	**ND**	**0.1**
Total Petroleum Hydrocarbons	**ND**	

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	**ND**	**ND**	**0.0%**	**0 - 30%**
Diesel Range C10 - C28	**2.6**	**3.2**	**23.1%**	**0 - 30%**

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	**ND**	**250**	**265**	**106%**	**75 - 125%**
Diesel Range C10 - C28	**2.6**	**250**	**270**	**107%**	**75 - 125%**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Was SW-846, USEPA, December 1996.

Comments: **QA/QC for Samples 63194-63203 and 63242-63244**

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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Agua Moss	Project #:	07117-0005
Sample ID:	5pt. Comp SE Corner	Date Reported:	09-19-12
Laboratory Number:	63243	Date Sampled:	09-17-12
Chain of Custody:	14447	Date Received:	09-17-12
Sample Matrix:	Soil	Date Analyzed:	09-19-12
Preservative:	Cool	Date Extracted:	09-17-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**10.0**
Toluene	**ND**	**10.0**
Ethylbenzene	**ND**	**10.0**
p,m-Xylene	**ND**	**10.0**
o-Xylene	**ND**	**10.0**
Total BTEX	**ND**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**84.5 %**
	1,4-difluorobenzene	**87.2 %**
	Bromochlorobenzene	**103 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846 USEPA, December 1996.

Comments: **Background Samples**

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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Agua Moss	Project #:	07117-0005
Sample ID:	5pt. Comp NW Corner	Date Reported:	09-19-12
Laboratory Number:	63244	Date Sampled:	09-17-12
Chain of Custody:	14447	Date Received:	09-17-12
Sample Matrix:	Soil	Date Analyzed:	09-19-12
Preservative:	Cool	Date Extracted:	09-17-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**10.0**
Toluene	**ND**	**10.0**
Ethylbenzene	**ND**	**10.0**
p,m-Xylene	**13.6**	**10.0**
o-Xylene	**ND**	**10.0**
Total BTEX	**13.6**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**83.7 %**
	1,4-difluorobenzene	**96.1 %**
	Bromochlorobenzene	**88.3 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846 USEPA, December 1996.

Comments: **Background Samples**

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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	0919BCAL QA/QC	Date Reported:	09-19-12
Laboratory Number:	63184	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-19-12
Condition:	N/A	Analysis:	BTEX
		Dilution:	50

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect. Limit
		Accept. Range 0-15%			
Benzene	9.4668E-06	9.4668E-06	0.000	ND	0.2
Toluene	9.0840E-06	9.0840E-06	0.000	ND	0.2
Ethylbenzene	1.0248E-05	1.0248E-05	0.000	ND	0.2
p,m-Xylene	7.3297E-06	7.3297E-06	0.000	ND	0.2
o-Xylene	1.0222E-05	1.0222E-05	0.000	ND	0.2

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.00	0 - 30%	10
Toluene	20.9	33.3	0.59	0 - 30%	10
Ethylbenzene	12.5	12.7	0.02	0 - 30%	10
p,m-Xylene	70.9	81.5	0.15	0 - 30%	10
o-Xylene	14.3	14.7	0.03	0 - 30%	10

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	2500	2770	111	39 - 150
Toluene	20.9	2500	2840	113	46 - 148
Ethylbenzene	12.5	2500	2820	112	32 - 160
p,m-Xylene	70.9	5000	5590	110	46 - 148
o-Xylene	14.3	2500	2760	110	46 - 148

ND - Parameter not detected at the stated detection limit.

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: **QA/QC for Samples 63184-63187, 63229 and 63243-63244**

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CATION / ANION ANALYSIS

Client:	Agua Moss	Project #:	07117-0005
Sample ID:	5pt. Comp SE Corner	Date Reported:	09-20-12
Laboratory Number:	63243	Date Sampled:	09-17-12
Chain of Custody:	14447	Date Received:	09-17-12
Sample Matrix:	Soil	Date Analyzed:	09-18-12
Preservative:	Cool		
Condition:	Intact		

Parameter	Analytical Result	Units		
pH	7.78	s.u.		
Conductivity @ 25° C	476	umhos/cm		
Total Dissolved Solids @ 180C	332	mg/L		
SAR	1.50	ratio		
Total Alkalinity as CaCO3	98.0	mg/L		
Total Hardness as CaCO3	124	mg/L		
Bicarbonate as CaCO3	98.0	mg/L	1.6	meq/L
Carbonate as CaCO3	< 0.01	mg/L	0.000	meq/L
Hydroxide as CaCO3	< 0.01	mg/L	0.001	meq/L
Nitrate Nitrogen	21.6	mg/L	0.348	meq/L
Nitrite Nitrogen	< 0.01	mg/L	0.000	meq/L
Chloride	38.2	mg/L	1	meq/L
Fluoride	2.01	mg/L	0.106	meq/L
Phosphate	< 0.01	mg/L	0.000	meq/L
Sulfate	247	mg/L	5.15	meq/L
Iron	< 0.01	mg/L	0.000	meq/L
Calcium	36.5	mg/L	2	meq/L
Magnesium	7.90	mg/L	1	meq/L
Potassium	3.68	mg/L	0.1	meq/L
Sodium	39.4	mg/L	2	meq/L

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments **Background Samples**

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CATION / ANION ANALYSIS

Client:	Agua Moss	Project #:	07117-0005
Sample ID:	5pt. Comp NW Corner	Date Reported:	09-20-12
Laboratory Number:	63244	Date Sampled:	09-17-12
Chain of Custody:	14447	Date Received:	09-17-12
Sample Matrix:	Soil	Date Analyzed:	09-18-12
Preservative:	Cool		
Condition:	Intact		

Parameter	Analytical Result	Units		
pH	**7.69**	s.u.		
Conductivity @ 25° C	**368**	umhos/cm		
Total Dissolved Solids @ 180C	**288**	mg/L		
SAR	**0.400**	ratio		
Total Alkalinity as CaCO3	**87.0**	mg/L		
Total Hardness as CaCO3	**121**	mg/L		
Bicarbonate as CaCO3	**87.0**	mg/L	1.4	meq/L
Carbonate as CaCO3	**< 0.01**	mg/L	0.000	meq/L
Hydroxide as CaCO3	**< 0.01**	mg/L	0.001	meq/L
Nitrate Nitrogen	**23.0**	mg/L	0.371	meq/L
Nitrite Nitrogen	**< 0.01**	mg/L	0.000	meq/L
Chloride	**40.1**	mg/L	1	meq/L
Fluoride	**< 0.01**	mg/L	0.001	meq/L
Phosphate	**3.40**	mg/L	0.107	meq/L
Sulfate	**34.6**	mg/L	0.72	meq/L
Iron	**< 0.01**	mg/L	0.000	meq/L
Calcium	**37.9**	mg/L	2	meq/L
Magnesium	**6.52**	mg/L	1	meq/L
Potassium	**12.9**	mg/L	0.3	meq/L
Sodium	**10.8**	mg/L	0	meq/L

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments **Background Samples**

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Water Analysis

Client:	Agua Moss	Project #:	07117-0005
Sample ID:	5 pt. Comp SE Corner	Date Reported:	09-20-12
Laboratory Number:	63243	Date Sampled:	09-17-12
Sample Matrix:	Soil Extract	Date Received:	09-17-12
Preservative:	Cool	Date Analyzed:	09-19-12
Condition:	Intact	Chain of Custody:	14447

Parameter	Analytical Result	Units
Cyanide (total)	**0.004**	mg/L

Reference: U.S.E.P.A., Method 335.3 Cyanide, Total.

Comments: **Background Samples**

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Water Analysis

Client:	Agua Moss	Project #:	07117-0005
Sample ID:	5 pt. Comp NW Corner	Date Reported:	09-20-12
Laboratory Number:	63244	Date Sampled:	09-17-12
Sample Matrix:	Soil Extract	Date Received:	09-17-12
Preservative:	Cool	Date Analyzed:	09-19-12
Condition:	Intact	Chain of Custody:	14447

Parameter	Analytical Result	Units
Cyanide (total)	**0.002**	mg/L

Reference: U.S.E.P.A., Method 335.3 Cyanide, Total.

Comments: **Background Samples**

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TRACE METAL ANALYSIS

Client:	Agua Moss	Project #:	07117-0005
Sample ID:	5pt Comp SE Corner	Date Reported:	09-24-12
Laboratory Number:	63243	Date Sampled:	09-17-12
Chain of Custody:	14447	Date Received:	09-17-12
Sample Matrix:	Soil	Date Analyzed:	09-21-12
Preservative:	Cool	Date Digested:	09-19-12
Condition:	Intact	Analysis Needed:	Total RCRA Metals
		Dilution	100

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Arsenic	**4.16**	**0.01**
Barium	**231**	**0.01**
Cadmium	**0.49**	**0.01**
Chromium	**8.63**	**0.01**
Copper	**6.68**	**0.01**
Lead	**11.8**	**0.01**
Mercury	**0.41**	**0.01**
Manganese	**218**	**0.01**
Selenium	**0.46**	**0.01**
Silver	**ND**	**0.01**
Zinc	**21.9**	**0.01**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Comments: **Background Samples**

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TRACE METAL ANALYSIS

Client:	Agua Moss	Project #:	07117-0005
Sample ID:	5pt Comp NW Corner	Date Reported:	09-24-12
Laboratory Number:	63244	Date Sampled:	09-17-12
Chain of Custody:	14447	Date Received:	09-17-12
Sample Matrix:	Soil	Date Analyzed:	09-21-12
Preservative:	Cool	Date Digested:	09-19-12
Condition:	Intact	Analysis Needed:	Total RCRA Metals
		Dilution	100

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Arsenic	**3.65**	**0.01**
Barium	**318**	**0.01**
Cadmium	**0.66**	**0.01**
Chromium	**9.25**	**0.01**
Copper	**14.0**	**0.01**
Lead	**22.3**	**0.01**
Mercury	**0.22**	**0.01**
Manganese	**298**	**0.01**
Selenium	**0.73**	**0.01**
Silver	**0.50**	**0.01**
Zinc	**54.9**	**0.01**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Comments: **Background Samples**

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TRACE METAL ANALYSIS
Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	09-21-TM QA/QC	Date Reported:	09-24-12
Laboratory Number:	63243	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total Metals	Date Analyzed:	09-21-12
Condition:	N/A	Date Digested:	09-19-12
		Dilution	100

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.01	4.16	4.14	0.43%	0% - 30%
Barium	ND	ND	0.01	231	232	0.78%	0% - 30%
Cadmium	ND	ND	0.01	0.49	0.50	1.57%	0% - 30%
Chromium	ND	ND	0.01	8.63	8.68	0.51%	0% - 30%
Copper	ND	ND	0.01	6.68	6.37	4.61%	0% - 30%
Lead	ND	ND	0.01	11.8	11.9	0.68%	0% - 30%
Mercury	ND	ND	0.01	0.41	0.37	10.1%	0% - 30%
Manganese	ND	ND	0.01	218	220	1.06%	0% - 30%
Selenium	ND	ND	0.01	0.46	0.44	5.86%	0% - 30%
Silver	ND	ND	0.01	ND	ND	0.00%	0% - 30%
Zinc	ND	ND	0.01	21.9	22.2	1.14%	0% - 30%

Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	25.0	4.16	28.8	98.8%	80% - 120%
Barium	500	231	760	104%	80% - 120%
Cadmium	25.0	0.49	24.3	95.3%	80% - 120%
Chromium	50.0	8.63	55.8	95.1%	80% - 120%
Copper	50.0	6.68	56.4	99.4%	80% - 120%
Lead	50.0	11.8	57.0	92.2%	80% - 120%
Mercury	10.0	0.41	10.1	97.0%	80% - 120%
Manganese	50.0	218	231	86.1%	80% - 120%
Selenium	10.0	0.46	9.70	92.6%	80% - 120%
Silver	10.0	ND	10.4	104%	80% - 120%
Zinc	50.0	21.9	70.1	97.5%	80% - 120%

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Comments: **QA/QC for Sample 63243-63244, 63268-63272, and 63275**

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CHAIN OF CUSTODY RECORD

14447

Client:	Project Name / Location:
Agua Moss	Background Samples
Email results to: carrigo@envirotech-inc.com	Sampler Name: Chris Arrigo
Client Phone No.:	Client No.: 07117-0005

ANALYSIS / PARAMETERS

Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative: $HgCl_2$	Preservative: HCl	Preservative: cool	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion, Cr	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
Spt. Comp SE Corner	9/17/12	8:45am	63243	1-4oz			X	X	X		X	X									X	X
Spt. Comp SW Corner	9/17/12	9:00am	63244	1-4oz			X	X	X		X	X									X	X
											+ Cu, Mn, Zn											

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9/17/12	9:47am		9/17/12	9:54
Relinquished by: (Signature)			Received by: (Signature)		

Sample Matrix

Soil ☒ Solid ☐ Sludge ☐ Aqueous ☐ Other ☐ _____

☐ Sample(s) dropped off after hours to secure drop off area.

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Exhibit C

Envirotech Background Sampling

May 2015

LEGEND

○ Background Sample Location

SITE MAP
Agua Moss
Background NW Corner
SECTION 2, TWP 29 NORTH, RANGE 12 WEST
SAN JUAN COUNTY, NEW MEXICO

SCALE: NTS	FIGURE NO. 1	REV
PROJECT NO.07117-0031		

REVISIONS

NO.	DATE	BY	DESCRIPTION

MAP DRWN	IG	6/26/15	BASE DRWN	IG	6/26/15

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LEGEND

○ Background Sample Location

SITE MAP
Agua Moss
Background SE Corner
SECTION 2, TWP 29 NORTH, RANGE 12 WEST
SAN JUAN COUNTY, NEW MEXICO

SCALE: NTS	FIGURE NO. 2	REV
PROJECT NO.07117-0031		

REVISIONS

NO.	DATE	BY	DESCRIPTION

MAP DRWN	IG	6/26/15	BASE DRWN	IG	6/26/15

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Analytical Report

Report Summary

Client: Agua Moss LLC

Chain Of Custody Number:

Samples Received: 5/21/2015 7:15:00AM

Job Number: 07117-0031

Work Order: P505057

Project Name/Location: Background Sampling

Entire Report Reviewed By: _____ Date: 6/12/15

Tim Cain, Laboratory Manager

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Agua Moss LLC	Project Name:	Background Sampling	
PO Box 600	Project Number:	07117-0031	**Reported:**
Farmington NM, 87499	Project Manager:	Isaac Garcia	12-Jun-15 10:25

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Background NW	P505057-01A	Soil	05/20/15	05/21/15	Glass Jar, 4 oz.
	P505057-01B	Soil	05/20/15	05/21/15	Glass Jar, 4 oz.
	P505057-01C	Soil	05/20/15	05/21/15	Glass Jar, 4 oz.
	P505057-01D	Soil	05/20/15	05/21/15	Glass Jar, 4 oz.
Background SE	P505057-02A	Soil	05/20/15	05/21/15	Glass Jar, 4 oz.
	P505057-02B	Soil	05/20/15	05/21/15	Glass Jar, 4 oz.
	P505057-02C	Soil	05/20/15	05/21/15	Glass Jar, 4 oz.
	P505057-02D	Soil	05/20/15	05/21/15	Glass Jar, 4 oz.

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Agua Moss LLC	Project Name:	Background Sampling	
PO Box 600	Project Number:	07117-0031	**Reported:**
Farmington NM, 87499	Project Manager:	Isaac Garcia	12-Jun-15 10:25

Background NW

P505057-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Petroleum Hydrocarbons by 418.1									
Total Petroleum Hydrocarbons	ND	35.4	mg/kg	1	1522009	05/28/15	05/28/15	EPA 418.1	

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Agua Moss LLC	Project Name:	Background Sampling	
PO Box 600	Project Number:	07117-0031	**Reported:**
Farmington NM, 87499	Project Manager:	Isaac Garcia	12-Jun-15 10:25

Background SE

P505057-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Petroleum Hydrocarbons by 418.1									
Total Petroleum Hydrocarbons	ND	34.3	mg/kg	1	1522009	05/28/15	05/28/15	EPA 418.1	

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Agua Moss LLC	Project Name:	Background Sampling	
PO Box 600	Project Number:	07117-0031	**Reported:**
Farmington NM, 87499	Project Manager:	Isaac Garcia	12-Jun-15 10:25

Total Petroleum Hydrocarbons by 418.1 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1522009 - 418 Freon Extraction										
Blank (1522009-BLK1)				Prepared & Analyzed: 28-May-15						
Total Petroleum Hydrocarbons	ND	35.5	mg/kg							
Duplicate (1522009-DUP1)		**Source: P505057-01**		Prepared & Analyzed: 28-May-15						
Total Petroleum Hydrocarbons	ND	34.6	mg/kg		ND				30	
Matrix Spike (1522009-MS1)		**Source: P505057-01**		Prepared & Analyzed: 28-May-15						
Total Petroleum Hydrocarbons	2070	35.5	mg/kg	2060	ND	101	80-120			

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Agua Moss LLC	Project Name:	Background Sampling	
PO Box 600	Project Number:	07117-0031	**Reported:**
Farmington NM, 87499	Project Manager:	Isaac Garcia	12-Jun-15 10:25

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

ESC LAB SCIENCES
YOUR LAB OF CHOICE

ANALYTICAL REPORT

June 29, 2015

myESC
REAL TIME DATA ACCESS

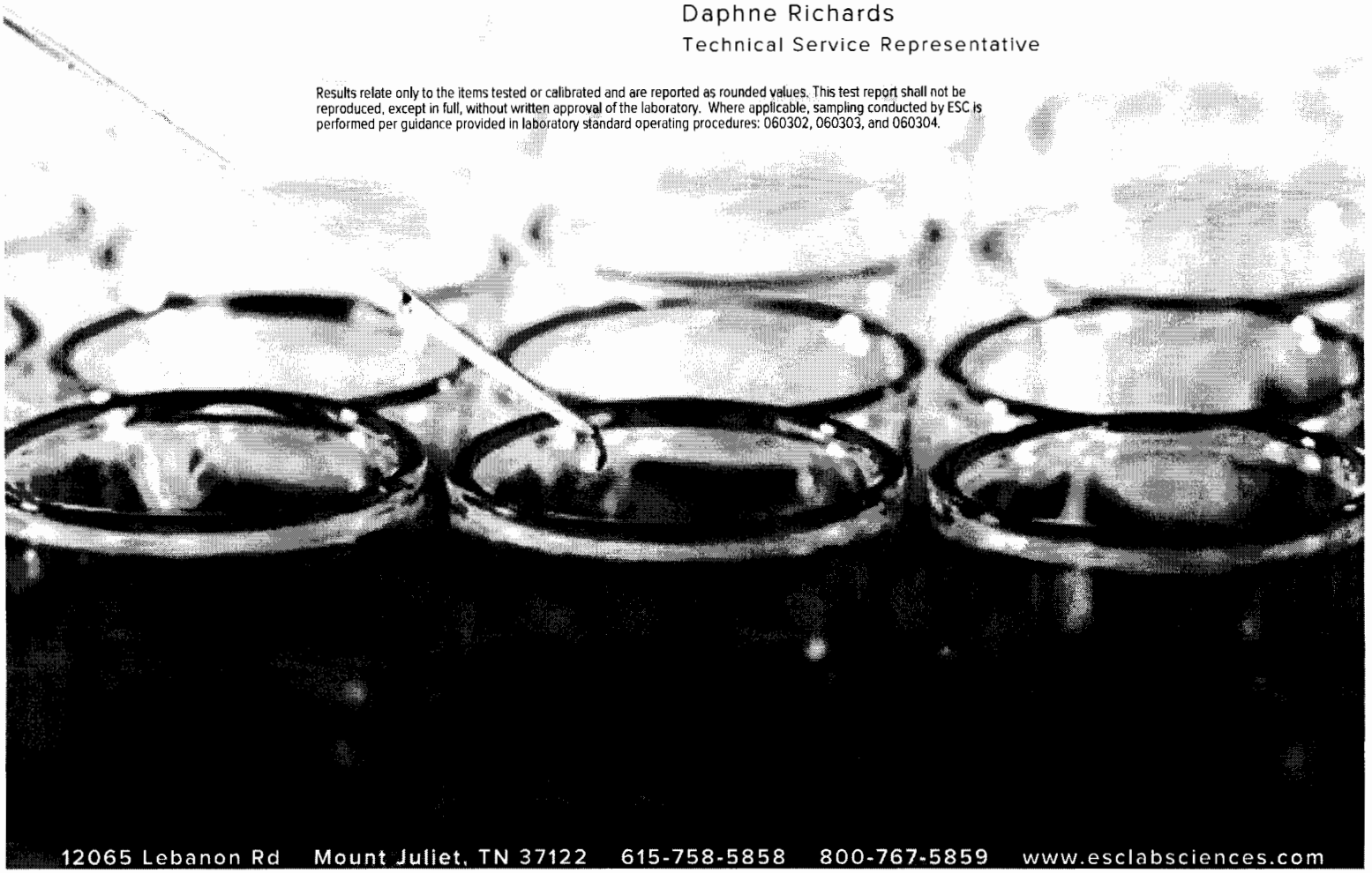
EnviroTech- NM

Sample Delivery Group:	L766896
Samples Received:	05/22/2015
Project Number:	07117-0031
Description:	Background Sampling
Site:	P505057
Report To:	Sheena Leon 5796 US. Highway 64 Farmington, NM 87401

Entire Report Reviewed By: Daphne R Richards

Daphne Richards
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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BACKGROUND NW L766896-01 Solid

Collected by: Issac Garcia | Collected date/time: 05/20/15 13:45 | Received date/time: 05/22/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Polychlorinated Biphenyls (GC) by Method 8082	WG791028	1	05/23/15 18:35	05/26/15 12:16	EGR
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG791294	1	05/26/15 22:02	05/27/15 11:44	KMF
Total Solids by Method 2540 G-2011	WG791554	1	05/27/15 08:07	05/28/15 06:38	KDW
Volatile Organic Compounds (GC/MS) by Method 8260B	WG791166	5	05/23/15 23:37	05/31/15 07:07	MCB

BACKGROUND SE L766896-02 Solid

Collected by: Issac Garcia | Collected date/time: 05/20/15 14:37 | Received date/time: 05/22/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analysis Analyst
Polychlorinated Biphenyls (GC) by Method 8082	WG791028	1	05/23/15 18:35	05/26/15 13:01	EGR
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG791294	1	05/26/15 22:02	05/27/15 12:54	KMF
Total Solids by Method 2540 G-2011	WG791554	1	05/27/15 08:07	05/28/15 06:38	KDW
Volatile Organic Compounds (GC/MS) by Method 8260B	WG791166	5	05/23/15 23:37	05/31/15 07:28	MCB

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Daphne R Richards

Daphne Richards
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.8		1	05/28/2015 06:38	WG791554

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.275	5	05/31/2015 07:07	WG791166
Acrylonitrile	ND		0.0551	5	05/31/2015 07:07	WG791166
Benzene	ND		0.00551	5	05/31/2015 07:07	WG791166
Bromobenzene	ND		0.00551	5	05/31/2015 07:07	WG791166
Bromodichloromethane	ND		0.00551	5	05/31/2015 07:07	WG791166
Bromoform	ND		0.00551	5	05/31/2015 07:07	WG791166
Bromomethane	ND		0.0275	5	05/31/2015 07:07	WG791166
n-Butylbenzene	ND		0.00551	5	05/31/2015 07:07	WG791166
sec-Butylbenzene	ND		0.00551	5	05/31/2015 07:07	WG791166
tert-Butylbenzene	ND		0.00551	5	05/31/2015 07:07	WG791166
Carbon tetrachloride	ND		0.00551	5	05/31/2015 07:07	WG791166
Chlorobenzene	ND		0.00551	5	05/31/2015 07:07	WG791166
Chlorodibromomethane	ND		0.00551	5	05/31/2015 07:07	WG791166
Chloroethane	ND		0.0275	5	05/31/2015 07:07	WG791166
2-Chloroethyl vinyl ether	ND		0.275	5	05/31/2015 07:07	WG791166
Chloroform	ND		0.0275	5	05/31/2015 07:07	WG791166
Chloromethane	ND		0.0138	5	05/31/2015 07:07	WG791166
2-Chlorotoluene	ND		0.00551	5	05/31/2015 07:07	WG791166
4-Chlorotoluene	ND		0.00551	5	05/31/2015 07:07	WG791166
1,2-Dibromo-3-Chloropropane	ND		0.0275	5	05/31/2015 07:07	WG791166
1,2-Dibromoethane	ND		0.00551	5	05/31/2015 07:07	WG791166
Dibromomethane	ND		0.00551	5	05/31/2015 07:07	WG791166
1,2-Dichlorobenzene	ND		0.00551	5	05/31/2015 07:07	WG791166
1,3-Dichlorobenzene	ND		0.00551	5	05/31/2015 07:07	WG791166
1,4-Dichlorobenzene	ND		0.00551	5	05/31/2015 07:07	WG791166
Dichlorodifluoromethane	ND		0.0275	5	05/31/2015 07:07	WG791166
1,1-Dichloroethane	ND		0.00551	5	05/31/2015 07:07	WG791166
1,2-Dichloroethane	ND		0.00551	5	05/31/2015 07:07	WG791166
1,1-Dichloroethene	ND		0.00551	5	05/31/2015 07:07	WG791166
cis-1,2-Dichloroethene	ND		0.00551	5	05/31/2015 07:07	WG791166
trans-1,2-Dichloroethene	ND		0.00551	5	05/31/2015 07:07	WG791166
1,2-Dichloropropane	ND		0.00551	5	05/31/2015 07:07	WG791166
1,1-Dichloropropene	ND		0.00551	5	05/31/2015 07:07	WG791166
1,3-Dichloropropane	ND		0.00551	5	05/31/2015 07:07	WG791166
cis-1,3-Dichloropropene	ND		0.00551	5	05/31/2015 07:07	WG791166
trans-1,3-Dichloropropene	ND		0.00551	5	05/31/2015 07:07	WG791166
2,2-Dichloropropane	ND		0.00551	5	05/31/2015 07:07	WG791166
Di-isopropyl ether	ND		0.00551	5	05/31/2015 07:07	WG791166
Ethylbenzene	ND		0.00551	5	05/31/2015 07:07	WG791166
Hexachloro-1,3-butadiene	ND		0.00551	5	05/31/2015 07:07	WG791166
Isopropylbenzene	ND		0.00551	5	05/31/2015 07:07	WG791166
p-Isopropyltoluene	ND		0.00551	5	05/31/2015 07:07	WG791166
2-Butanone (MEK)	ND		0.0551	5	05/31/2015 07:07	WG791166
Methylene Chloride	ND		0.0275	5	05/31/2015 07:07	WG791166
1-Methylnaphthalene	ND		0.0551	5	05/31/2015 07:07	WG791166
2-Methylnaphthalene	ND		0.0551	5	05/31/2015 07:07	WG791166
4-Methyl-2-pentanone (MIBK)	ND		0.0551	5	05/31/2015 07:07	WG791166
Methyl tert-butyl ether	ND		0.00551	5	05/31/2015 07:07	WG791166
Naphthalene	ND		0.0275	5	05/31/2015 07:07	WG791166
n-Propylbenzene	ND		0.00551	5	05/31/2015 07:07	WG791166

Cp
1 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Styrene	ND		0.00551	5	05/31/2015 07:07	WG791166
1,1,1,2-Tetrachloroethane	ND		0.00551	5	05/31/2015 07:07	WG791166
1,1,2,2-Tetrachloroethane	ND		0.00551	5	05/31/2015 07:07	WG791166
1,1,2-Trichlorotrifluoroethane	ND		0.00551	5	05/31/2015 07:07	WG791166
Tetrachloroethene	ND		0.00551	5	05/31/2015 07:07	WG791166
Toluene	ND		0.0275	5	05/31/2015 07:07	WG791166
1,2,3-Trichlorobenzene	ND		0.00551	5	05/31/2015 07:07	WG791166
1,2,4-Trichlorobenzene	ND		0.00551	5	05/31/2015 07:07	WG791166
1,1,1-Trichloroethane	ND		0.00551	5	05/31/2015 07:07	WG791166
1,1,2-Trichloroethane	ND		0.00551	5	05/31/2015 07:07	WG791166
Trichloroethene	ND		0.00551	5	05/31/2015 07:07	WG791166
Trichlorofluoromethane	ND		0.0275	5	05/31/2015 07:07	WG791166
1,2,3-Trichloropropane	ND		0.0138	5	05/31/2015 07:07	WG791166
1,2,4-Trimethylbenzene	ND		0.00551	5	05/31/2015 07:07	WG791166
1,2,3-Trimethylbenzene	ND		0.00551	5	05/31/2015 07:07	WG791166
Vinyl chloride	ND		0.00551	5	05/31/2015 07:07	WG791166
1,3,5-Trimethylbenzene	ND		0.00551	5	05/31/2015 07:07	WG791166
Xylenes, Total	ND		0.0165	5	05/31/2015 07:07	WG791166
(S) Toluene-d8	*101*		*88.7-115*		*05/31/2015 07:07*	WG791166
(S) Dibromofluoromethane	*102*		*76.3-123*		*05/31/2015 07:07*	WG791166
(S) 4-Bromofluorobenzene	*97.0*		*69.7-129*		*05/31/2015 07:07*	WG791166

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	ND		0.0187	1	05/26/2015 12:16	WG791028
PCB 1221	ND		0.0187	1	05/26/2015 12:16	WG791028
PCB 1232	ND		0.0187	1	05/26/2015 12:16	WG791028
PCB 1242	ND		0.0187	1	05/26/2015 12:16	WG791028
PCB 1248	ND		0.0187	1	05/26/2015 12:16	WG791028
PCB 1254	ND		0.0187	1	05/26/2015 12:16	WG791028
PCB 1260	ND		0.0187	1	05/26/2015 12:16	WG791028
(S) Decachlorobiphenyl	*76.0*		*10.0-143*		*05/26/2015 12:16*	WG791028
(S) Tetrachloro-m-xylene	*81.5*		*29.2-144*		*05/26/2015 12:16*	WG791028

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0364	1	05/27/2015 11:44	WG791294
Acenaphthylene	ND		0.0364	1	05/27/2015 11:44	WG791294
Anthracene	ND		0.0364	1	05/27/2015 11:44	WG791294
Benzidine	ND		0.367	1	05/27/2015 11:44	WG791294
Benzo(a)anthracene	ND		0.0364	1	05/27/2015 11:44	WG791294
Benzo(b)fluoranthene	ND		0.0364	1	05/27/2015 11:44	WG791294
Benzo(k)fluoranthene	ND		0.0364	1	05/27/2015 11:44	WG791294
Benzo(g,h,i)perylene	ND		0.0364	1	05/27/2015 11:44	WG791294
Benzo(a)pyrene	ND		0.0364	1	05/27/2015 11:44	WG791294
Bis(2-chlorethoxy)methane	ND		0.367	1	05/27/2015 11:44	WG791294
Bis(2-chloroethyl)ether	ND	J3	0.367	1	05/27/2015 11:44	WG791294
Bis(2-chloroisopropyl)ether	ND	J3	0.367	1	05/27/2015 11:44	WG791294
4-Bromophenyl-phenylether	ND		0.367	1	05/27/2015 11:44	WG791294
2-Chloronaphthalene	ND		0.0364	1	05/27/2015 11:44	WG791294
4-Chlorophenyl-phenylether	ND		0.367	1	05/27/2015 11:44	WG791294
Chrysene	ND		0.0364	1	05/27/2015 11:44	WG791294
Dibenz(a,h)anthracene	ND		0.0364	1	05/27/2015 11:44	WG791294

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
3,3-Dichlorobenzidine	ND		0.367	1	05/27/2015 11:44	WG791294
2,4-Dinitrotoluene	ND		0.367	1	05/27/2015 11:44	WG791294
2,6-Dinitrotoluene	ND		0.367	1	05/27/2015 11:44	WG791294
Fluoranthene	ND		0.0364	1	05/27/2015 11:44	WG791294
Fluorene	ND		0.0364	1	05/27/2015 11:44	WG791294
Hexachlorobenzene	ND		0.367	1	05/27/2015 11:44	WG791294
Hexachloro-1,3-butadiene	ND	J3	0.367	1	05/27/2015 11:44	WG791294
Hexachlorocyclopentadiene	ND		0.367	1	05/27/2015 11:44	WG791294
Hexachloroethane	ND	J3	0.367	1	05/27/2015 11:44	WG791294
Indeno(1,2,3-cd)pyrene	ND		0.0364	1	05/27/2015 11:44	WG791294
Isophorone	ND		0.367	1	05/27/2015 11:44	WG791294
Naphthalene	ND		0.0364	1	05/27/2015 11:44	WG791294
Nitrobenzene	ND		0.367	1	05/27/2015 11:44	WG791294
n-Nitrosodimethylamine	ND	J3	0.367	1	05/27/2015 11:44	WG791294
n-Nitrosodiphenylamine	ND		0.367	1	05/27/2015 11:44	WG791294
n-Nitrosodi-n-propylamine	ND		0.367	1	05/27/2015 11:44	WG791294
Phenanthrene	ND		0.0364	1	05/27/2015 11:44	WG791294
Benzylbutyl phthalate	ND		0.367	1	05/27/2015 11:44	WG791294
Bis(2-ethylhexyl)phthalate	ND		0.367	1	05/27/2015 11:44	WG791294
Di-n-butyl phthalate	ND		0.367	1	05/27/2015 11:44	WG791294
Diethyl phthalate	ND		0.367	1	05/27/2015 11:44	WG791294
Dimethyl phthalate	ND		0.367	1	05/27/2015 11:44	WG791294
Di-n-octyl phthalate	ND		0.367	1	05/27/2015 11:44	WG791294
Pyrene	ND		0.0364	1	05/27/2015 11:44	WG791294
1,2,4-Trichlorobenzene	ND	J3	0.367	1	05/27/2015 11:44	WG791294
4-Chloro-3-methylphenol	ND		0.367	1	05/27/2015 11:44	WG791294
2-Chlorophenol	ND	J3	0.367	1	05/27/2015 11:44	WG791294
2,4-Dichlorophenol	ND		0.367	1	05/27/2015 11:44	WG791294
2,4-Dimethylphenol	ND		0.367	1	05/27/2015 11:44	WG791294
4,6-Dinitro-2-methylphenol	ND		0.367	1	05/27/2015 11:44	WG791294
2,4-Dinitrophenol	ND		0.367	1	05/27/2015 11:44	WG791294
2-Nitrophenol	ND		0.367	1	05/27/2015 11:44	WG791294
4-Nitrophenol	ND		0.367	1	05/27/2015 11:44	WG791294
Pentachlorophenol	ND		0.367	1	05/27/2015 11:44	WG791294
Phenol	ND	J3	0.367	1	05/27/2015 11:44	WG791294
2,4,6-Trichlorophenol	ND		0.367	1	05/27/2015 11:44	WG791294
(S) 2-Fluorophenol	*65.2*		*21.1-116*		*05/27/2015 11:44*	WG791294
(S) Phenol-d5	*69.9*		*26.3-121*		*05/27/2015 11:44*	WG791294
(S) Nitrobenzene-d5	*69.1*		*21.9-129*		*05/27/2015 11:44*	WG791294
(S) 2-Fluorobiphenyl	*81.6*		*34.9-129*		*05/27/2015 11:44*	WG791294
(S) 2,4,6-Tribromophenol	*69.7*		*21.6-142*		*05/27/2015 11:44*	WG791294
(S) p-Terphenyl-d14	*66.0*		*21.5-128*		*05/27/2015 11:44*	WG791294

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.0		1	05/28/2015 06:38	WG791554

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.278	5	05/31/2015 07:28	WG791166
Acrylonitrile	ND		0.0556	5	05/31/2015 07:28	WG791166
Benzene	ND		0.00556	5	05/31/2015 07:28	WG791166
Bromobenzene	ND		0.00556	5	05/31/2015 07:28	WG791166
Bromodichloromethane	ND		0.00556	5	05/31/2015 07:28	WG791166
Bromoform	ND		0.00556	5	05/31/2015 07:28	WG791166
Bromomethane	ND		0.0278	5	05/31/2015 07:28	WG791166
n-Butylbenzene	ND		0.00556	5	05/31/2015 07:28	WG791166
sec-Butylbenzene	ND		0.00556	5	05/31/2015 07:28	WG791166
tert-Butylbenzene	ND		0.00556	5	05/31/2015 07:28	WG791166
Carbon tetrachloride	ND		0.00556	5	05/31/2015 07:28	WG791166
Chlorobenzene	ND		0.00556	5	05/31/2015 07:28	WG791166
Chlorodibromomethane	ND		0.00556	5	05/31/2015 07:28	WG791166
Chloroethane	ND		0.0278	5	05/31/2015 07:28	WG791166
2-Chloroethyl vinyl ether	ND		0.278	5	05/31/2015 07:28	WG791166
Chloroform	ND		0.0278	5	05/31/2015 07:28	WG791166
Chloromethane	ND		0.0139	5	05/31/2015 07:28	WG791166
2-Chlorotoluene	ND		0.00556	5	05/31/2015 07:28	WG791166
4-Chlorotoluene	ND		0.00556	5	05/31/2015 07:28	WG791166
1,2-Dibromo-3-Chloropropane	ND		0.0278	5	05/31/2015 07:28	WG791166
1,2-Dibromoethane	ND		0.00556	5	05/31/2015 07:28	WG791166
Dibromomethane	ND		0.00556	5	05/31/2015 07:28	WG791166
1,2-Dichlorobenzene	ND		0.00556	5	05/31/2015 07:28	WG791166
1,3-Dichlorobenzene	ND		0.00556	5	05/31/2015 07:28	WG791166
1,4-Dichlorobenzene	ND		0.00556	5	05/31/2015 07:28	WG791166
Dichlorodifluoromethane	ND		0.0278	5	05/31/2015 07:28	WG791166
1,1-Dichloroethane	ND		0.00556	5	05/31/2015 07:28	WG791166
1,2-Dichloroethane	ND		0.00556	5	05/31/2015 07:28	WG791166
1,1-Dichloroethene	ND		0.00556	5	05/31/2015 07:28	WG791166
cis-1,2-Dichloroethene	ND		0.00556	5	05/31/2015 07:28	WG791166
trans-1,2-Dichloroethene	ND		0.00556	5	05/31/2015 07:28	WG791166
1,2-Dichloropropane	ND		0.00556	5	05/31/2015 07:28	WG791166
1,1-Dichloropropene	ND		0.00556	5	05/31/2015 07:28	WG791166
1,3-Dichloropropane	ND		0.00556	5	05/31/2015 07:28	WG791166
cis-1,3-Dichloropropene	ND		0.00556	5	05/31/2015 07:28	WG791166
trans-1,3-Dichloropropene	ND		0.00556	5	05/31/2015 07:28	WG791166
2,2-Dichloropropane	ND		0.00556	5	05/31/2015 07:28	WG791166
Di-isopropyl ether	ND		0.00556	5	05/31/2015 07:28	WG791166
Ethylbenzene	ND		0.00556	5	05/31/2015 07:28	WG791166
Hexachloro-1,3-butadiene	ND		0.00556	5	05/31/2015 07:28	WG791166
Isopropylbenzene	ND		0.00556	5	05/31/2015 07:28	WG791166
p-Isopropyltoluene	ND		0.00556	5	05/31/2015 07:28	WG791166
2-Butanone (MEK)	ND		0.0556	5	05/31/2015 07:28	WG791166
Methylene Chloride	ND		0.0278	5	05/31/2015 07:28	WG791166
1-Methylnaphthalene	ND		0.0556	5	05/31/2015 07:28	WG791166
2-Methylnaphthalene	ND		0.0556	5	05/31/2015 07:28	WG791166
4-Methyl-2-pentanone (MIBK)	ND		0.0556	5	05/31/2015 07:28	WG791166
Methyl tert-butyl ether	ND		0.00556	5	05/31/2015 07:28	WG791166
Naphthalene	ND		0.0278	5	05/31/2015 07:28	WG791166
n-Propylbenzene	ND		0.00556	5	05/31/2015 07:28	WG791166

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Styrene	ND		0.00556	5	05/31/2015 07:28	WG791166
1,1,1,2-Tetrachloroethane	ND		0.00556	5	05/31/2015 07:28	WG791166
1,1,2,2-Tetrachloroethane	ND		0.00556	5	05/31/2015 07:28	WG791166
1,1,2-Trichlorotrifluoroethane	ND		0.00556	5	05/31/2015 07:28	WG791166
Tetrachloroethene	ND		0.00556	5	05/31/2015 07:28	WG791166
Toluene	ND		0.0278	5	05/31/2015 07:28	WG791166
1,2,3-Trichlorobenzene	ND		0.00556	5	05/31/2015 07:28	WG791166
1,2,4-Trichlorobenzene	ND		0.00556	5	05/31/2015 07:28	WG791166
1,1,1-Trichloroethane	ND		0.00556	5	05/31/2015 07:28	WG791166
1,1,2-Trichloroethane	ND		0.00556	5	05/31/2015 07:28	WG791166
Trichloroethene	ND		0.00556	5	05/31/2015 07:28	WG791166
Trichlorofluoromethane	ND		0.0278	5	05/31/2015 07:28	WG791166
1,2,3-Trichloropropane	ND		0.0139	5	05/31/2015 07:28	WG791166
1,2,4-Trimethylbenzene	ND		0.00556	5	05/31/2015 07:28	WG791166
1,2,3-Trimethylbenzene	ND		0.00556	5	05/31/2015 07:28	WG791166
Vinyl chloride	ND		0.00556	5	05/31/2015 07:28	WG791166
1,3,5-Trimethylbenzene	ND		0.00556	5	05/31/2015 07:28	WG791166
Xylenes, Total	ND		0.0167	5	05/31/2015 07:28	WG791166
(S) Toluene-d8	*102*		*88.7-115*		*05/31/2015 07:28*	WG791166
(S) Dibromofluoromethane	*101*		*76.3-123*		*05/31/2015 07:28*	WG791166
(S) 4-Bromofluorobenzene	*99.9*		*69.7-129*		*05/31/2015 07:28*	WG791166

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	ND		0.0189	1	05/26/2015 13:01	WG791028
PCB 1221	ND		0.0189	1	05/26/2015 13:01	WG791028
PCB 1232	ND		0.0189	1	05/26/2015 13:01	WG791028
PCB 1242	ND		0.0189	1	05/26/2015 13:01	WG791028
PCB 1248	ND		0.0189	1	05/26/2015 13:01	WG791028
PCB 1254	ND		0.0189	1	05/26/2015 13:01	WG791028
PCB 1260	ND		0.0189	1	05/26/2015 13:01	WG791028
(S) Decachlorobiphenyl	*65.5*		*10.0-143*		*05/26/2015 13:01*	WG791028
(S) Tetrachloro-m-xylene	*82.8*		*29.2-144*		*05/26/2015 13:01*	WG791028

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0367	1	05/27/2015 12:54	WG791294
Acenaphthylene	ND		0.0367	1	05/27/2015 12:54	WG791294
Anthracene	ND		0.0367	1	05/27/2015 12:54	WG791294
Benzidine	ND		0.370	1	05/27/2015 12:54	WG791294
Benzo(a)anthracene	ND		0.0367	1	05/27/2015 12:54	WG791294
Benzo(b)fluoranthene	ND		0.0367	1	05/27/2015 12:54	WG791294
Benzo(k)fluoranthene	ND		0.0367	1	05/27/2015 12:54	WG791294
Benzo(g,h,i)perylene	ND		0.0367	1	05/27/2015 12:54	WG791294
Benzo(a)pyrene	ND		0.0367	1	05/27/2015 12:54	WG791294
Bis(2-chlorethoxy)methane	ND		0.370	1	05/27/2015 12:54	WG791294
Bis(2-chloroethyl)ether	ND	J3	0.370	1	05/27/2015 12:54	WG791294
Bis(2-chloroisopropyl)ether	ND	J3	0.370	1	05/27/2015 12:54	WG791294
4-Bromophenyl-phenylether	ND		0.370	1	05/27/2015 12:54	WG791294
2-Chloronaphthalene	ND		0.0367	1	05/27/2015 12:54	WG791294
4-Chlorophenyl-phenylether	ND		0.370	1	05/27/2015 12:54	WG791294
Chrysene	ND		0.0367	1	05/27/2015 12:54	WG791294
Dibenz(a,h)anthracene	ND		0.0367	1	05/27/2015 12:54	WG791294

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
3,3-Dichlorobenzidine	ND		0.370	1	05/27/2015 12:54	WG791294
2,4-Dinitrotoluene	ND		0.370	1	05/27/2015 12:54	WG791294
2,6-Dinitrotoluene	ND		0.370	1	05/27/2015 12:54	WG791294
Fluoranthene	ND		0.0367	1	05/27/2015 12:54	WG791294
Fluorene	ND		0.0367	1	05/27/2015 12:54	WG791294
Hexachlorobenzene	ND		0.370	1	05/27/2015 12:54	WG791294
Hexachloro-1,3-butadiene	ND	J3	0.370	1	05/27/2015 12:54	WG791294
Hexachlorocyclopentadiene	ND		0.370	1	05/27/2015 12:54	WG791294
Hexachloroethane	ND	J3	0.370	1	05/27/2015 12:54	WG791294
Indeno(1,2,3-cd)pyrene	ND		0.0367	1	05/27/2015 12:54	WG791294
Isophorone	ND		0.370	1	05/27/2015 12:54	WG791294
Naphthalene	ND		0.0367	1	05/27/2015 12:54	WG791294
Nitrobenzene	ND		0.370	1	05/27/2015 12:54	WG791294
n-Nitrosodimethylamine	ND	J3	0.370	1	05/27/2015 12:54	WG791294
n-Nitrosodiphenylamine	ND		0.370	1	05/27/2015 12:54	WG791294
n-Nitrosodi-n-propylamine	ND		0.370	1	05/27/2015 12:54	WG791294
Phenanthrene	ND		0.0367	1	05/27/2015 12:54	WG791294
Benzylbutyl phthalate	ND		0.370	1	05/27/2015 12:54	WG791294
Bis(2-ethylhexyl)phthalate	ND		0.370	1	05/27/2015 12:54	WG791294
Di-n-butyl phthalate	ND		0.370	1	05/27/2015 12:54	WG791294
Diethyl phthalate	ND		0.370	1	05/27/2015 12:54	WG791294
Dimethyl phthalate	ND		0.370	1	05/27/2015 12:54	WG791294
Di-n-octyl phthalate	ND		0.370	1	05/27/2015 12:54	WG791294
Pyrene	ND		0.0367	1	05/27/2015 12:54	WG791294
1,2,4-Trichlorobenzene	ND	J3	0.370	1	05/27/2015 12:54	WG791294
4-Chloro-3-methylphenol	ND		0.370	1	05/27/2015 12:54	WG791294
2-Chlorophenol	ND	J3	0.370	1	05/27/2015 12:54	WG791294
2,4-Dichlorophenol	ND		0.370	1	05/27/2015 12:54	WG791294
2,4-Dimethylphenol	ND		0.370	1	05/27/2015 12:54	WG791294
4,6-Dinitro-2-methylphenol	ND		0.370	1	05/27/2015 12:54	WG791294
2,4-Dinitrophenol	ND		0.370	1	05/27/2015 12:54	WG791294
2-Nitrophenol	ND		0.370	1	05/27/2015 12:54	WG791294
4-Nitrophenol	ND		0.370	1	05/27/2015 12:54	WG791294
Pentachlorophenol	ND		0.370	1	05/27/2015 12:54	WG791294
Phenol	ND	J3	0.370	1	05/27/2015 12:54	WG791294
2,4,6-Trichlorophenol	ND		0.370	1	05/27/2015 12:54	WG791294
(S) 2-Fluorophenol	*71.0*		*21.1-116*		*05/27/2015 12:54*	WG791294
(S) Phenol-d5	*77.0*		*26.3-121*		*05/27/2015 12:54*	WG791294
(S) Nitrobenzene-d5	*76.6*		*21.9-129*		*05/27/2015 12:54*	WG791294
(S) 2-Fluorobiphenyl	*87.9*		*34.9-129*		*05/27/2015 12:54*	WG791294
(S) 2,4,6-Tribromophenol	*80.2*		*21.6-142*		*05/27/2015 12:54*	WG791294
(S) p-Terphenyl-d14	*72.2*		*21.5-128*		*05/27/2015 12:54*	WG791294

Method Blank (MB)

(MB) 05/28/15 06:36

Analyte	MB Result	MB Qualifier	MB RDL
	%		%
Total Solids	0.00100		

L766895-06 Original Sample (OS) • Duplicate (DUP)

(OS) 05/28/15 06:36 • (DUP) 05/28/15 06:37

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	65.6	66.9	1	1.99		5

Laboratory Control Sample (LCS)

(LCS) 05/28/15 06:36

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) 05/31/15 04:19

Analyte	MB Result mg/kg	MB Qualifier	MB RDL mg/kg
Acetone	ND		0.0500
Acrylonitrile	ND		0.0100
Benzene	ND		0.00100
Bromobenzene	ND		0.00100
Bromodichloromethane	ND		0.00100
Bromoform	ND		0.00100
Bromomethane	ND		0.00500
n-Butylbenzene	ND		0.00100
sec-Butylbenzene	ND		0.00100
tert-Butylbenzene	ND		0.00100
Carbon tetrachloride	ND		0.00100
Chlorobenzene	ND		0.00100
Chlorodibromomethane	ND		0.00100
Chloroethane	ND		0.00500
2-Chloroethyl vinyl ether	ND		0.0500
Chloroform	ND		0.00500
Chloromethane	ND		0.00250
2-Chlorotoluene	ND		0.00100
4-Chlorotoluene	ND		0.00100
1,2-Dibromo-3-Chloropropane	ND		0.00500
1,2-Dibromoethane	ND		0.00100
Dibromomethane	ND		0.00100
1,2-Dichlorobenzene	ND		0.00100
1,3-Dichlorobenzene	ND		0.00100
1,4-Dichlorobenzene	ND		0.00100
Dichlorodifluoromethane	ND		0.00500
1,1-Dichloroethane	ND		0.00100
1,2-Dichloroethane	ND		0.00100
1,1-Dichloroethene	ND		0.00100
cis-1,2-Dichloroethene	ND		0.00100
trans-1,2-Dichloroethene	ND		0.00100
1,2-Dichloropropane	ND		0.00100
1,1-Dichloropropene	ND		0.00100
1,3-Dichloropropane	ND		0.00100
cis-1,3-Dichloropropene	ND		0.00100
trans-1,3-Dichloropropene	ND		0.00100

Method Blank (MB)

(MB) 05/31/15 04:19

Analyte	MB Result mg/kg	MB Qualifier	MB RDL mg/kg
2,2-Dichloropropane	ND		0.00100
Di-isopropyl ether	ND		0.00100
Ethylbenzene	ND		0.00100
Hexachloro-1,3-butadiene	ND		0.00100
Isopropylbenzene	ND		0.00100
p-Isopropyltoluene	ND		0.00100
2-Butanone (MEK)	ND		0.0100
Methylene Chloride	ND		0.00500
4-Methyl-2-pentanone (MIBK)	ND		0.0100
Methyl tert-butyl ether	ND		0.00100
1-Methylnaphthalene	ND		0.0100
2-Methylnaphthalene	ND		0.0100
Naphthalene	ND		0.00500
n-Propylbenzene	ND		0.00100
Styrene	ND		0.00100
1,1,1,2-Tetrachloroethane	ND		0.00100
1,1,2,2-Tetrachloroethane	ND		0.00100
Tetrachloroethene	ND		0.00100
Toluene	ND		0.00500
1,1,2-Trichlorotrifluoroethane	ND		0.00100
1,2,3-Trichlorobenzene	ND		0.00100
1,2,4-Trichlorobenzene	ND		0.00100
1,1,1-Trichloroethane	ND		0.00100
1,1,2-Trichloroethane	ND		0.00100
Trichloroethene	ND		0.00100
Trichlorofluoromethane	ND		0.00500
1,2,3-Trichloropropane	ND		0.00250
1,2,3-Trimethylbenzene	ND		0.00100
1,2,4-Trimethylbenzene	ND		0.00100
1,3,5-Trimethylbenzene	ND		0.00100
Vinyl chloride	ND		0.00100
Xylenes, Total	ND		0.00300
(S) Toluene-d8	*102*		*88.7-115*
(S) Dibromofluoromethane	*97.5*		*76.3-123*
(S) 4-Bromofluorobenzene	*101*		*69.7-129*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 05/31/15 02:14 • (LCSD) 05/31/15 02:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.110	0.107	87.9	85.5	25.3-178			2.82	22.9
Acrylonitrile	0.125	0.146	0.137	117	110	57.8-143			6.31	20
Benzene	0.0250	0.0266	0.0271	106	108	72.6-120			1.74	20
Bromobenzene	0.0250	0.0252	0.0266	101	106	80.3-115			5.17	20
Bromodichloromethane	0.0250	0.0252	0.0243	101	97.3	75.3-119			3.61	20
Bromoform	0.0250	0.0275	0.0284	110	114	69.1-135			3.28	20
Bromomethane	0.0250	0.0248	0.0255	99.4	102	23.0-191			2.42	20
n-Butylbenzene	0.0250	0.0266	0.0271	106	108	74.2-134			1.93	20
sec-Butylbenzene	0.0250	0.0261	0.0279	105	112	77.8-129			6.57	20
tert-Butylbenzene	0.0250	0.0260	0.0278	104	111	77.2-129			6.84	20
Carbon tetrachloride	0.0250	0.0267	0.0267	107	107	69.4-129			0.170	20
Chlorobenzene	0.0250	0.0266	0.0283	106	113	78.9-122			6.34	20
Chlorodibromomethane	0.0250	0.0271	0.0280	108	112	76.4-126			3.23	20
Chloroethane	0.0250	0.0270	0.0273	108	109	47.2-147			1.07	20
2-Chloroethyl vinyl ether	0.125	0.147	0.130	117	104	16.7-162			12.2	23.7
Chloroform	0.0250	0.0256	0.0256	103	102	73.3-122			0.210	20
Chloromethane	0.0250	0.0257	0.0257	103	103	53.1-135			0.330	20
2-Chlorotoluene	0.0250	0.0261	0.0271	104	108	74.6-127			3.61	20
4-Chlorotoluene	0.0250	0.0258	0.0271	103	108	79.5-123			4.86	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0276	0.0274	111	110	64.9-131			0.730	20
1,2-Dibromoethane	0.0250	0.0269	0.0275	108	110	78.7-123			2.27	20
Dibromomethane	0.0250	0.0271	0.0268	108	107	78.5-117			0.880	20
1,2-Dichlorobenzene	0.0250	0.0281	0.0277	113	111	83.6-119			1.38	20
1,3-Dichlorobenzene	0.0250	0.0263	0.0278	105	111	75.9-129			5.46	20
1,4-Dichlorobenzene	0.0250	0.0261	0.0262	104	105	81.0-115			0.650	20
Dichlorodifluoromethane	0.0250	0.0271	0.0270	108	108	50.9-139			0.0600	20
1,1-Dichloroethane	0.0250	0.0274	0.0271	110	108	71.7-125			1.17	20
1,2-Dichloroethane	0.0250	0.0248	0.0251	99.0	100	67.2-121			1.32	20
1,1-Dichloroethene	0.0250	0.0247	0.0264	98.7	106	60.6-133			6.76	20
cis-1,2-Dichloroethene	0.0250	0.0272	0.0272	109	109	76.1-121			0.100	20
trans-1,2-Dichloroethene	0.0250	0.0282	0.0278	113	111	70.7-124			1.41	20
1,2-Dichloropropane	0.0250	0.0268	0.0266	107	107	76.9-123			0.570	20
1,1-Dichloropropene	0.0250	0.0266	0.0263	106	105	71.2-126			1.08	20
1,3-Dichloropropane	0.0250	0.0261	0.0260	104	104	80.3-114			0.160	20
cis-1,3-Dichloropropene	0.0250	0.0271	0.0273	109	109	77.3-123			0.620	20
trans-1,3-Dichloropropene	0.0250	0.0269	0.0271	107	109	73.0-127			1.09	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 05/31/15 02:14 • (LCSD) 05/31/15 02:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2,2-Dichloropropane	0.0250	0.0260	0.0257	104	103	61.9-132			1.16	20
Di-isopropyl ether	0.0250	0.0274	0.0273	110	109	67.2-131			0.300	20
Ethylbenzene	0.0250	0.0265	0.0279	106	112	78.6-124			5.36	20
Hexachloro-1,3-butadiene	0.0250	0.0268	0.0278	107	111	69.2-136			3.71	20
Isopropylbenzene	0.0250	0.0258	0.0276	103	111	79.4-126			7.00	20
p-Isopropyltoluene	0.0250	0.0266	0.0286	106	114	75.4-132			7.22	20
2-Butanone (MEK)	0.125	0.132	0.121	105	97.1	44.5-154			8.17	21.3
Methylene Chloride	0.0250	0.0264	0.0258	106	103	68.2-119			2.39	20
4-Methyl-2-pentanone (MIBK)	0.125	0.135	0.135	108	108	61.1-138			0.310	20
Methyl tert-butyl ether	0.0250	0.0273	0.0269	109	108	70.2-122			1.41	20
1-Methylnaphthalene	0.0250	0.0295	0.0295	118	118	60.4-138			0.0200	24.7
2-Methylnaphthalene	0.0250	0.0317	0.0329	127	132	63.3-137			3.80	21.5
Naphthalene	0.0250	0.0281	0.0284	113	114	69.9-132			0.970	20
n-Propylbenzene	0.0250	0.0256	0.0275	102	110	80.2-124			7.06	20
Styrene	0.0250	0.0248	0.0262	99.1	105	79.4-124			5.59	20
1,1,1,2-Tetrachloroethane	0.0250	0.0259	0.0276	104	111	76.7-127			6.43	20
1,1,2,2-Tetrachloroethane	0.0250	0.0267	0.0267	107	107	78.8-124			0.0300	20
Tetrachloroethene	0.0250	0.0267	0.0286	107	114	71.1-133			6.89	20
Toluene	0.0250	0.0245	0.0247	97.8	98.8	76.7-116			1.05	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0272	0.0287	109	115	62.6-138			5.25	20
1,2,3-Trichlorobenzene	0.0250	0.0273	0.0278	109	111	72.5-137			1.99	20
1,2,4-Trichlorobenzene	0.0250	0.0280	0.0287	112	115	74.0-137			2.20	20
1,1,1-Trichloroethane	0.0250	0.0260	0.0261	104	105	69.9-127			0.590	20
1,1,2-Trichloroethane	0.0250	0.0255	0.0269	102	108	81.9-119			5.48	20
Trichloroethene	0.0250	0.0263	0.0279	105	112	77.2-122			6.07	20
Trichlorofluoromethane	0.0250	0.0253	0.0260	101	104	51.5-151			2.43	20
1,2,3-Trichloropropane	0.0250	0.0277	0.0268	111	107	74.0-124			3.31	20
1,2,3-Trimethylbenzene	0.0250	0.0266	0.0269	106	107	79.4-118			0.910	20
1,2,4-Trimethylbenzene	0.0250	0.0264	0.0280	106	112	77.1-124			5.80	20
1,3,5-Trimethylbenzene	0.0250	0.0255	0.0274	102	109	79.0-125			7.19	20
Vinyl chloride	0.0250	0.0273	0.0268	109	107	58.4-134			1.83	20
Xylenes, Total	0.0750	0.0790	0.0829	105	110	78.1-123			4.78	20
(S) Toluene-d8				*100*	*101*	*88.7-115*				
(S) Dibromofluoromethane				*101*	*100*	*76.3-123*				
(S) 4-Bromofluorobenzene				*98.5*	*103*	*69.7-129*				

L766889-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 05/31/15 04:40 • (MS) 05/31/15 03:17 • (MSD) 05/31/15 03:38

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.00215	0.460	0.535	73.2	85.2	5	10.0-130			15.1	31.5
Acrylonitrile	0.125	ND	0.574	0.647	91.9	103	5	39.3-152			11.9	27.2
Benzene	0.0250	ND	0.114	0.124	91.4	99.5	5	47.8-131			8.50	22.8
Bromobenzene	0.0250	ND	0.105	0.110	83.7	88.3	5	40.0-130			5.26	27.4
Bromodichloromethane	0.0250	ND	0.105	0.116	84.0	92.7	5	50.6-128			9.79	22.8
Bromoform	0.0250	ND	0.117	0.127	93.6	102	5	43.3-139			8.55	25.9
Bromomethane	0.0250	ND	0.109	0.113	87.5	90.7	5	5.00-189			3.55	26.7
n-Butylbenzene	0.0250	ND	0.100	0.110	80.1	88.2	5	23.6-146			9.70	39.2
sec-Butylbenzene	0.0250	ND	0.106	0.113	84.6	90.1	5	31.0-142			6.33	34.7
tert-Butylbenzene	0.0250	ND	0.109	0.119	87.2	95.0	5	36.9-142			8.52	31.7
Carbon tetrachloride	0.0250	ND	0.108	0.122	86.3	98.0	5	46.0-140			12.7	27.2
Chlorobenzene	0.0250	ND	0.113	0.121	90.2	96.7	5	44.1-134			6.97	25.7
Chlorodibromomethane	0.0250	ND	0.115	0.127	91.8	102	5	49.7-134			10.3	24
Chloroethane	0.0250	ND	0.112	0.123	89.8	98.0	5	5.00-164			8.80	28.4
2-Chloroethyl vinyl ether	0.125	ND	0.602	0.668	96.3	107	5	5.00-159			10.5	40
Chloroform	0.0250	ND	0.103	0.119	82.3	95.0	5	51.2-133			14.3	22.8
Chloromethane	0.0250	ND	0.108	0.118	86.8	94.7	5	31.4-141			8.75	24.6
2-Chlorotoluene	0.0250	ND	0.110	0.117	87.8	93.8	5	36.1-137			6.63	28.9
4-Chlorotoluene	0.0250	ND	0.105	0.114	84.2	91.4	5	35.4-137			8.29	29.8
1,2-Dibromo-3-Chloropropane	0.0250	ND	0.109	0.127	87.4	101	5	40.4-138			14.7	30.8
1,2-Dibromoethane	0.0250	ND	0.115	0.123	91.8	98.8	5	50.2-133			7.32	23.6
Dibromomethane	0.0250	ND	0.112	0.123	89.4	98.1	5	52.4-128			9.28	23
1,2-Dichlorobenzene	0.0250	ND	0.108	0.121	86.5	96.9	5	34.6-139			11.4	29.9
1,3-Dichlorobenzene	0.0250	ND	0.106	0.115	84.5	91.8	5	28.4-142			8.35	31.2
1,4-Dichlorobenzene	0.0250	ND	0.105	0.113	83.8	90.5	5	35.0-133			7.72	31.1
Dichlorodifluoromethane	0.0250	ND	0.115	0.119	91.7	94.8	5	31.2-144			3.37	30.2
1,1-Dichloroethane	0.0250	ND	0.111	0.126	88.8	101	5	49.1-136			12.9	22.9
1,2-Dichloroethane	0.0250	ND	0.108	0.117	86.2	93.3	5	47.1-129			7.93	22.7
1,1-Dichloroethene	0.0250	ND	0.106	0.122	84.8	97.6	5	36.1-142			13.9	25.6
cis-1,2-Dichloroethene	0.0250	ND	0.111	0.124	88.5	99.5	5	50.6-133			11.7	23
trans-1,2-Dichloroethene	0.0250	ND	0.111	0.127	88.5	101	5	43.8-135			13.5	24.8
1,2-Dichloropropane	0.0250	ND	0.112	0.123	89.9	98.2	5	50.3-134			8.78	22.7
1,1-Dichloropropene	0.0250	ND	0.107	0.122	85.5	97.5	5	43.0-137			13.1	26.4
1,3-Dichloropropane	0.0250	ND	0.109	0.119	87.4	94.9	5	51.4-127			8.16	23.1
cis-1,3-Dichloropropene	0.0250	ND	0.116	0.125	92.8	100	5	48.4-134			7.61	23.6
trans-1,3-Dichloropropene	0.0250	ND	0.114	0.124	91.5	99.0	5	46.6-135			7.90	25.3

L766889-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 05/31/15 04:40 • (MS) 05/31/15 03:17 • (MSD) 05/31/15 03:38

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,2-Dichloropropane	0.0250	ND	0.112	0.121	89.5	97.0	5	45.2-141			8.07	26.6
Di-isopropyl ether	0.0250	ND	0.109	0.127	87.2	102	5	46.7-140			15.7	23.5
Ethylbenzene	0.0250	0.000517	0.113	0.125	90.1	99.3	5	44.8-135			9.65	26.9
Hexachloro-1,3-butadiene	0.0250	ND	0.0907	0.104	72.6	83.2	5	10.0-149			13.6	40
Isopropylbenzene	0.0250	ND	0.109	0.117	87.1	93.5	5	41.9-139			7.10	29.3
p-Isopropyltoluene	0.0250	ND	0.107	0.116	85.8	92.9	5	27.3-146			7.99	35.1
2-Butanone (MEK)	0.125	ND	0.537	0.612	85.9	97.8	5	23.9-170			13.0	28.3
Methylene Chloride	0.0250	ND	0.104	0.121	83.3	96.9	5	46.7-125			15.1	22.2
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.596	0.642	95.4	103	5	42.4-146			7.33	26.7
Methyl tert-butyl ether	0.0250	ND	0.107	0.127	85.8	102	5	50.4-131			16.8	24.8
1-Methylnaphthalene	0.0250	0.000560	0.0968	0.118	77.0	94.0	5	5.00-158			19.8	40
2-Methylnaphthalene	0.0250	0.00116	0.106	0.131	84.2	104	5	5.00-171			20.4	39.2
Naphthalene	0.0250	ND	0.104	0.123	83.3	98.1	5	18.4-145			16.3	34
n-Propylbenzene	0.0250	ND	0.106	0.114	84.8	91.2	5	35.2-139			7.20	31.9
Styrene	0.0250	ND	0.103	0.112	82.1	89.5	5	39.7-137			8.55	28.2
1,1,1,2-Tetrachloroethane	0.0250	ND	0.110	0.120	88.0	95.7	5	48.8-136			8.42	25.5
1,1,2,2-Tetrachloroethane	0.0250	ND	0.108	0.119	86.1	95.1	5	45.7-140			9.91	26.4
Tetrachloroethene	0.0250	ND	0.107	0.118	85.8	94.3	5	37.7-140			9.40	29.2
Toluene	0.0250	0.00210	0.107	0.116	83.9	91.1	5	47.8-127			8.02	24.3
1,1,2-Trichlorotrifluoroethane	0.0250	ND	0.111	0.127	88.7	102	5	35.7-146			13.6	28.8
1,2,3-Trichlorobenzene	0.0250	ND	0.0957	0.115	76.6	92.0	5	10.0-150			18.3	38.5
1,2,4-Trichlorobenzene	0.0250	ND	0.103	0.114	82.8	91.4	5	10.0-153			9.95	39.3
1,1,1-Trichloroethane	0.0250	ND	0.109	0.123	86.9	98.6	5	49.0-138			12.6	25.3
1,1,2-Trichloroethane	0.0250	ND	0.111	0.116	88.4	92.8	5	52.3-132			4.83	23.4
Trichloroethene	0.0250	ND	0.113	0.124	90.8	99.1	5	48.0-132			8.82	24.8
Trichlorofluoromethane	0.0250	ND	0.108	0.120	86.4	96.3	5	12.8-169			10.8	29.7
1,2,3-Trichloropropane	0.0250	ND	0.109	0.117	87.4	93.9	5	44.4-138			7.27	26.3
1,2,3-Trimethylbenzene	0.0250	ND	0.109	0.120	86.9	95.8	5	41.0-133			9.75	27.6
1,2,4-Trimethylbenzene	0.0250	ND	0.109	0.117	87.4	93.6	5	32.9-139			6.91	30.6
1,3,5-Trimethylbenzene	0.0250	ND	0.106	0.114	84.8	91.1	5	37.1-138			7.17	30.6
Vinyl chloride	0.0250	ND	0.121	0.127	96.7	102	5	32.0-146			5.29	26.3
Xylenes, Total	0.0750	0.00267	0.334	0.358	88.4	94.8	5	42.7-135			6.88	26.6
(S) Toluene-d8					*102*	*102*		*88.7-115*				
(S) Dibromofluoromethane					*95.7*	*97.9*		*76.3-123*				
(S) 4-Bromofluorobenzene					*101*	*99.4*		*69.7-129*				

Method Blank (MB)

(MB) 05/26/15 08:17

Analyte	MB Result mg/kg	MB Qualifier	MB RDL mg/kg
PCB 1260	ND		0.0170
PCB 1016	ND		0.0170
PCB 1221	ND		0.0170
PCB 1232	ND		0.0170
PCB 1242	ND		0.0170
PCB 1248	ND		0.0170
PCB 1254	ND		0.0170
(S) Decachlorobiphenyl	*78.3*		*10.0-143*
(S) Tetrachloro-m-xylene	*77.3*		*29.2-144*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 05/26/15 08:32 • (LCSD) 05/26/15 08:47

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
PCB 1260	0.1667	0.129	0.138	77.6	82.7	46.5-120			6.38	27
PCB 1016	0.1667	0.129	0.136	77.6	81.9	46.3-117			5.32	27.5
(S) Decachlorobiphenyl				*82.1*	*88.3*	*10.0-143*				
(S) Tetrachloro-m-xylene				*79.8*	*85.9*	*29.2-144*				

L766896-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 05/26/15 12:16 • (MS) 05/26/15 12:31 • (MSD) 05/26/15 12:46

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1260	0.1667	ND	0.130	0.131	78.0	78.7	1	24.6-127			0.820	20
PCB 1016	0.1667	ND	0.131	0.132	78.6	79.3	1	23.9-147			0.910	25.8
(S) Decachlorobiphenyl					*78.3*	*77.9*		*10.0-143*				
(S) Tetrachloro-m-xylene					*77.4*	*78.4*		*29.2-144*				

Cp
1 Tc
2 Ss
3 Cn
4 Sr
5 Qc
6 Gl
7 Al
8 Sc
9

Method Blank (MB)

(MB) 05/27/15 11:18

Analyte	MB Result mg/kg	MB Qualifier	MB RDL mg/kg
Acenaphthene	ND		0.0330
Acenaphthylene	ND		0.0330
Anthracene	ND		0.0330
Benzidine	ND		0.333
Benzo(a)anthracene	ND		0.0330
Benzo(b)fluoranthene	ND		0.0330
Benzo(k)fluoranthene	ND		0.0330
Benzo(g,h,i)perylene	ND		0.0330
Benzo(a)pyrene	ND		0.0330
Bis(2-chlorethoxy)methane	ND		0.333
Bis(2-chloroethyl)ether	ND		0.333
Bis(2-chloroisopropyl)ether	ND		0.333
4-Bromophenyl-phenylether	ND		0.333
2-Chloronaphthalene	ND		0.0330
4-Chlorophenyl-phenylether	ND		0.333
Chrysene	ND		0.0330
Dibenz(a,h)anthracene	ND		0.0330
3,3-Dichlorobenzidine	ND		0.333
2,4-Dinitrotoluene	ND		0.333
2,6-Dinitrotoluene	ND		0.333
Fluoranthene	ND		0.0330
Fluorene	ND		0.0330
Hexachlorobenzene	ND		0.333
Hexachloro-1,3-butadiene	ND		0.333
Hexachlorocyclopentadiene	ND		0.333
Hexachloroethane	ND		0.333
Indeno(1,2,3-cd)pyrene	ND		0.0330
Isophorone	ND		0.333
Naphthalene	ND		0.0330
Nitrobenzene	ND		0.333
n-Nitrosodimethylamine	ND		0.333
n-Nitrosodiphenylamine	ND		0.333
n-Nitrosodi-n-propylamine	ND		0.333
Phenanthrene	ND		0.0330
Benzylbutyl phthalate	ND		0.333
Bis(2-ethylhexyl)phthalate	ND		0.333

Method Blank (MB)

(MB) 05/27/15 11:18

Analyte	MB Result mg/kg	MB Qualifier	MB RDL mg/kg
Di-n-butyl phthalate	ND		0.333
Diethyl phthalate	ND		0.333
Dimethyl phthalate	ND		0.333
Di-n-octyl phthalate	ND		0.333
Pyrene	ND		0.0330
1,2,4-Trichlorobenzene	ND		0.333
4-Chloro-3-methylphenol	ND		0.333
2-Chlorophenol	ND		0.333
2,4-Dichlorophenol	ND		0.333
2,4-Dimethylphenol	ND		0.333
4,6-Dinitro-2-methylphenol	ND		0.333
2,4-Dinitrophenol	ND		0.333
2-Nitrophenol	ND		0.333
4-Nitrophenol	ND		0.333
Pentachlorophenol	ND		0.333
Phenol	ND		0.333
2,4,6-Trichlorophenol	ND		0.333
(S) Nitrobenzene-d5	*66.7*		*21.9-129*
(S) 2-Fluorobiphenyl	*82.5*		*34.9-129*
(S) p-Terphenyl-d14	*74.3*		*21.5-128*
(S) Phenol-d5	*67.7*		*26.3-121*
(S) 2-Fluorophenol	*61.3*		*21.1-116*
(S) 2,4,6-Tribromophenol	*71.8*		*21.6-142*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 05/27/15 10:32 • (LCSD) 05/27/15 10:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.667	0.579	0.559	86.8	83.8	48.9-107			3.53	20
Acenaphthylene	0.667	0.577	0.559	86.4	83.8	49.2-111			3.07	20
Anthracene	0.667	0.549	0.547	82.4	82.0	52.0-112			0.410	20
Benzidine	0.667	0.240	0.231	36.0	34.6	0.000-48.0			4.00	40
Benzo(a)anthracene	0.667	0.543	0.547	81.4	82.0	52.3-106			0.820	20
Benzo(b)fluoranthene	0.667	0.566	0.542	84.8	81.3	51.3-106			4.22	20
Benzo(k)fluoranthene	0.667	0.508	0.540	76.1	81.0	52.9-107			6.13	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 05/27/15 10:32 • (LCSD) 05/27/15 10:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzo(g,h,i)perylene	0.667	0.538	0.541	80.7	81.1	45.8-108			0.570	20
Benzo(a)pyrene	0.667	0.540	0.541	81.0	81.1	51.9-106			0.100	20
Bis(2-chlorethoxy)methane	0.667	0.526	0.475	78.9	71.2	44.9-108			10.2	20
Bis(2-chloroethyl)ether	0.667	0.483	0.360	72.3	53.9	32.5-112		J3	29.2	26
Bis(2-chloroisopropyl)ether	0.667	0.530	0.412	79.5	61.7	40.4-99.0		J3	25.2	20.7
4-Bromophenyl-phenylether	0.667	0.529	0.547	79.3	82.0	51.4-110			3.35	20
2-Chloronaphthalene	0.667	0.504	0.479	75.5	71.8	47.1-105			5.02	20
4-Chlorophenyl-phenylether	0.667	0.576	0.570	86.3	85.5	48.1-108			1.00	20
Chrysene	0.667	0.597	0.587	89.5	88.0	54.4-110			1.65	20
Dibenz(a,h)anthracene	0.667	0.532	0.535	79.8	80.2	45.7-111			0.480	20
3,3-Dichlorobenzidine	0.667	0.517	0.519	77.6	77.9	21.0-101			0.370	22
2,4-Dinitrotoluene	0.667	0.586	0.585	87.9	87.7	53.0-112			0.250	20
2,6-Dinitrotoluene	0.667	0.575	0.565	86.2	84.7	51.6-110			1.81	20
Fluoranthene	0.667	0.556	0.552	83.4	82.8	53.7-110			0.730	20
Fluorene	0.667	0.604	0.600	90.5	89.9	51.1-109			0.680	20
Hexachlorobenzene	0.667	0.542	0.551	81.2	82.6	43.2-104			1.71	20.1
Hexachloro-1,3-butadiene	0.667	0.511	0.411	76.6	61.7	41.5-112		J3	21.5	20
Hexachlorocyclopentadiene	0.667	0.330	0.291	49.4	43.6	13.5-123			12.5	20.7
Hexachloroethane	0.667	0.466	0.335	69.9	50.3	36.2-103		J3	32.7	22.7
Indeno(1,2,3-cd)pyrene	0.667	0.542	0.544	81.2	81.6	47.5-109			0.470	20
Isophorone	0.667	0.545	0.527	81.7	79.0	28.8-104			3.34	20
Naphthalene	0.667	0.561	0.461	84.1	69.1	43.4-103			19.6	20
Nitrobenzene	0.667	0.524	0.435	78.5	65.3	40.7-109			18.5	21
n-Nitrosodimethylamine	0.667	0.438	0.311	65.7	46.7	18.1-122		J3	33.9	23.5
n-Nitrosodiphenylamine	0.667	0.523	0.530	78.5	79.4	48.8-107			1.21	20
n-Nitrosodi-n-propylamine	0.667	0.508	0.441	76.2	66.0	43.3-109			14.3	20
Phenanthrene	0.667	0.580	0.587	86.9	88.1	51.6-107			1.32	20
Benzylbutyl phthalate	0.667	0.613	0.615	91.9	92.2	47.5-115			0.240	20
Bis(2-ethylhexyl)phthalate	0.667	0.613	0.609	91.9	91.3	48.1-116			0.710	20.5
Di-n-butyl phthalate	0.667	0.565	0.567	84.7	85.0	49.7-113			0.270	20
Diethyl phthalate	0.667	0.562	0.564	84.3	84.5	52.0-112			0.310	20
Dimethyl phthalate	0.667	0.557	0.552	83.6	82.8	51.4-108			0.920	20
Di-n-octyl phthalate	0.667	0.633	0.626	94.8	93.9	49.6-112			1.00	22
Pyrene	0.667	0.532	0.538	79.8	80.7	47.1-108			1.05	20
1,2,4-Trichlorobenzene	0.667	0.518	0.424	77.7	63.5	39.8-100		J3	20.1	20
4-Chloro-3-methylphenol	0.667	0.567	0.561	85.0	84.2	51.1-113			1.05	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 05/27/15 10:32 • (LCSD) 05/27/15 10:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2-Chlorophenol	0.667	0.510	0.390	76.5	58.5	40.8-103		J3	26.7	20
2,4-Dichlorophenol	0.667	0.540	0.494	81.0	74.1	46.2-109			8.95	20
2,4-Dimethylphenol	0.667	0.553	0.517	83.0	77.5	42.2-110			6.80	20
4,6-Dinitro-2-methylphenol	0.667	0.628	0.635	94.1	95.1	23.1-119			1.11	23.7
2,4-Dinitrophenol	0.667	0.568	0.575	85.2	86.2	10.0-105			1.26	36.5
2-Nitrophenol	0.667	0.541	0.471	81.1	70.6	44.2-113			13.9	20.9
4-Nitrophenol	0.667	0.591	0.613	88.6	91.9	34.8-109			3.65	20
Pentachlorophenol	0.667	0.601	0.606	90.0	90.9	16.2-102			0.920	22.9
Phenol	0.667	0.530	0.420	79.5	63.0	41.5-106		J3	23.2	20
2,4,6-Trichlorophenol	0.667	0.560	0.537	83.9	80.5	44.4-108			4.15	20
(S) Nitrobenzene-d5				*80.1*	*64.5*	*21.9-129*				
(S) 2-Fluorobiphenyl				*89.5*	*84.3*	*34.9-129*				
(S) p-Terphenyl-d14				*77.1*	*77.4*	*21.5-128*				
(S) Phenol-d5				*77.7*	*60.7*	*26.3-121*				
(S) 2-Fluorophenol				*73.6*	*52.2*	*21.1-116*				
(S) 2,4,6-Tribromophenol				*79.6*	*79.3*	*21.6-142*				

L766896-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 05/27/15 11:44 • (MS) 05/27/15 12:07 • (MSD) 05/27/15 12:30

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.667	ND	0.540	0.564	81.0	84.5	1	32.2-134			4.25	27.3
Acenaphthylene	0.667	ND	0.533	0.566	80.0	84.9	1	38.7-129			6.00	25.9
Anthracene	0.667	ND	0.517	0.535	77.5	80.3	1	32.3-137			3.55	28.4
Benzidine	0.667	ND	0.0901	0.0988	13.5	14.8	1	0.000-49.9			9.21	40
Benzo(a)anthracene	0.667	ND	0.517	0.538	77.5	80.6	1	33.3-124			3.95	29
Benzo(b)fluoranthene	0.667	ND	0.497	0.507	74.5	76.0	1	23.3-133			2.11	30.3
Benzo(k)fluoranthene	0.667	ND	0.501	0.527	75.1	79.0	1	31.0-129			5.00	26.7
Benzo(g,h,i)perylene	0.667	ND	0.487	0.498	73.1	74.6	1	10.0-127			2.05	31.9
Benzo(a)pyrene	0.667	ND	0.502	0.524	75.3	78.6	1	28.2-128			4.29	28.4
Bis(2-chlorethoxy)methane	0.667	ND	0.479	0.507	71.7	76.1	1	35.0-132			5.84	26.1
Bis(2-chloroethyl)ether	0.667	ND	0.438	0.468	65.6	70.1	1	28.8-128			6.63	33.6
Bis(2-chloroisopropyl)ether	0.667	ND	0.495	0.514	74.1	77.1	1	31.8-118			3.87	31.7
4-Bromophenyl-phenylether	0.667	ND	0.513	0.535	76.9	80.2	1	39.0-130			4.29	26
2-Chloronaphthalene	0.667	ND	0.465	0.491	69.8	73.6	1	37.5-123			5.30	26.5

L766896-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 05/27/15 11:44 • (MS) 05/27/15 12:07 • (MSD) 05/27/15 12:30

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
4-Chlorophenyl-phenylether	0.667	ND	0.536	0.560	80.4	83.9	1	37.9-123			4.33	25.9
Chrysene	0.667	ND	0.548	0.574	82.2	86.1	1	36.3-129			4.65	28
Dibenz(a,h)anthracene	0.667	ND	0.486	0.497	72.8	74.6	1	10.5-128			2.43	29.5
3,3-Dichlorobenzidine	0.667	ND	0.498	0.528	74.7	79.1	1	10.0-129			5.76	40
2,4-Dinitrotoluene	0.667	ND	0.540	0.572	81.0	85.8	1	27.8-147			5.80	29.7
2,6-Dinitrotoluene	0.667	ND	0.527	0.555	79.0	83.2	1	36.5-137			5.10	29.7
Fluoranthene	0.667	ND	0.525	0.550	78.7	82.4	1	27.9-138			4.61	26.9
Fluorene	0.667	ND	0.565	0.597	84.7	89.5	1	34.0-133			5.48	27.1
Hexachlorobenzene	0.667	ND	0.521	0.539	78.1	80.8	1	34.4-116			3.48	25.4
Hexachloro-1,3-butadiene	0.667	ND	0.472	0.511	70.7	76.6	1	36.5-125			7.99	29.7
Hexachlorocyclopentadiene	0.667	ND	0.289	0.298	43.3	44.6	1	10.0-124			2.99	37.5
Hexachloroethane	0.667	ND	0.419	0.451	62.8	67.7	1	11.3-143			7.45	31.9
Indeno(1,2,3-cd)pyrene	0.667	ND	0.497	0.507	74.5	76.0	1	10.0-128			1.93	31.5
Isophorone	0.667	ND	0.501	0.522	75.1	78.2	1	25.7-116			4.09	27.7
Naphthalene	0.667	ND	0.510	0.548	76.5	82.1	1	36.4-121			7.11	27.2
Nitrobenzene	0.667	ND	0.478	0.510	71.6	76.5	1	30.9-134			6.65	27.8
n-Nitrosodimethylamine	0.667	ND	0.362	0.397	54.2	59.5	1	19.2-127			9.33	32
n-Nitrosodiphenylamine	0.667	ND	0.510	0.519	76.4	77.9	1	26.8-133			1.87	25.9
n-Nitrosodi-n-propylamine	0.667	ND	0.474	0.482	71.0	72.3	1	33.0-134			1.70	28.2
Phenanthrene	0.667	ND	0.547	0.573	82.1	85.9	1	30.8-137			4.62	26.5
Benzylbutyl phthalate	0.667	ND	0.588	0.609	88.2	91.2	1	33.4-128			3.37	28.5
Bis(2-ethylhexyl)phthalate	0.667	ND	0.592	0.611	88.8	91.6	1	21.8-141			3.20	35.2
Di-n-butyl phthalate	0.667	ND	0.546	0.569	81.8	85.3	1	32.2-133			4.10	25.9
Diethyl phthalate	0.667	ND	0.526	0.542	78.8	81.2	1	39.4-136			2.95	25.5
Dimethyl phthalate	0.667	ND	0.515	0.541	77.3	81.1	1	35.8-137			4.85	25.4
Di-n-octyl phthalate	0.667	ND	0.618	0.643	92.7	96.4	1	28.5-128			3.86	32.5
Pyrene	0.667	ND	0.508	0.524	76.2	78.6	1	24.1-130			3.16	29.9
1,2,4-Trichlorobenzene	0.667	ND	0.477	0.511	71.5	76.7	1	36.5-114			6.93	28.4
4-Chloro-3-methylphenol	0.667	ND	0.523	0.553	78.4	82.9	1	27.0-154			5.50	26.6
2-Chlorophenol	0.667	ND	0.476	0.503	71.3	75.4	1	33.2-121			5.49	29.3
2,4-Dichlorophenol	0.667	ND	0.502	0.532	75.2	79.8	1	34.8-134			5.91	27.3
2,4-Dimethylphenol	0.667	ND	0.501	0.530	75.2	79.4	1	12.3-149			5.51	32.3
4,6-Dinitro-2-methylphenol	0.667	ND	0.486	0.468	72.9	70.2	1	10.0-144			3.82	32.7
2,4-Dinitrophenol	0.667	ND	0.209	0.159	31.4	23.9	1	10.0-121			27.2	39.4
2-Nitrophenol	0.667	ND	0.509	0.543	76.3	81.4	1	29.5-144			6.53	29.9
4-Nitrophenol	0.667	ND	0.543	0.578	81.4	86.6	1	20.0-133			6.26	30.2

L766896-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 05/27/15 11:44 • (MS) 05/27/15 12:07 • (MSD) 05/27/15 12:30

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Pentachlorophenol	0.667	ND	0.483	0.494	72.4	74.1	1	10.0-139			2.32	28.3
Phenol	0.667	ND	0.481	0.512	72.1	76.7	1	25.1-130			6.21	29.6
2,4,6-Trichlorophenol	0.667	ND	0.515	0.535	77.2	80.3	1	33.8-133			3.87	28.1
(S) Nitrobenzene-d5					*72.0*	*76.9*		*21.9-129*				
(S) 2-Fluorobiphenyl					*82.4*	*86.0*		*34.9-129*				
(S) p-Terphenyl-d14					*71.2*	*75.8*		*21.5-128*				
(S) Phenol-d5					*70.1*	*75.4*		*26.3-121*				
(S) 2-Fluorophenol					*65.3*	*71.0*		*21.1-116*				
(S) 2,4,6-Tribromophenol					*78.1*	*81.8*		*21.6-142*				

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND,U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
J3	The associated batch QC was outside the established quality control range for precision.

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**

State Accreditations

Alabama	40660
Alaska	UST-080
Arizona	AZ0612
Arkansas	88-0469
California	01157CA
Colorado	TN00003
Conneticut	PH-0197
Florida	E87487
Georgia	NELAP
Georgia [1]	923
Idaho	TN00003
Illinois	200008
Indiana	C-TN-01
Iowa	364
Kansas	E-10277
Kentucky [1]	90010
Kentucky [2]	16
Louisiana	AI30792
Maine	TN0002
Maryland	324
Massachusetts	M-TN003
Michigan	9958
Minnesota	047-999-395
Mississippi	TN00003
Missouri	340
Montana	CERT0086
Nebraska	NE-OS-15-05
Nevada	TN-03-2002-34
New Hampshire	2975
New Jersey–NELAP	TN002
New Mexico	TN00003
New York	11742
North Carolina	Env375
North Carolina [1]	DW21704
North Carolina [2]	41
North Dakota	R-140
Ohio–VAP	CL0069
Oklahoma	9915
Oregon	TN200002
Pennsylvania	68-02979
Rhode Island	221
South Carolina	84004
South Dakota	n/a
Tennessee [14]	2006
Texas	T 104704245-07-TX
Texas [5]	LAB0152
Utah	6157585858
Vermont	VT2006
Virginia	109
Washington	C1915
West Virginia	233
Wisconsin	9980939910
Wyoming	A2LA

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [n/a] Accreditation not applicable

Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
Canada	1461.01	DOD	1461.01
EPA–Crypto	TN00003	USDA	S-67674

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**

EnviroTech- NM

5796 US. Highway 64
Farmington, NM 87401

Billing Information:

Doris Moore
5796 US. Highway 64
Farmington, NM 87401

Report to: Lynn & Tim

Email To: Lynn & Tim

Project Description: Background Sampling

City/State Collected:

Phone: 505-632-0615
Fax:

Client Project # 07117-0031

Lab Project #

Collected by (print): Isaac Garcia

Site/Facility ID # P505057

P.O. # 142018

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No ✓Yes
FAX? ✓No ___Yes

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8260 (Volatiles) 1-4oz jar / Cool	Full 8270 SVOC	418 TPH	PCB	Uranium by 6020A				Rem./Contaminant	Sample # (lab only)
Background NW		SS		05/20/15	13:45	3	✓	✓	✓	✓	✓					-01
Background SE		SS		↓	14:37	3	✓	✓	✓	✓	✓					-02

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

6309 3737 7695

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Lorene Gomez	05-21-15	14:50	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Caleb C. Busby

Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____

Temp: 3.1 °C Bottles Received: 6-4oz

Date: 5/22/15 Time: 0900

Hold #

Condition: (lab use only) OK

COC Seal Intact: ___Y ___N ___NA

pH Checked: NCF:

Chain of Custody Page 1 of 1

ESC LAB SCIENCES

YOUR LAB OF CHOICE

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L776896

H247

Acctnum: ENVIROFNM

Template:

Prelogin:

TSR: 288 - Daphne Richards

PB:

Shipped Via:

Troy Dunlap

ESC Lab Sciences
Non-Conformance Form

Login #: L766896	Client: ENVIROFNM	Date: 5/21/15	Evaluated by: Jeremy

Non-Conformance (check applicable items)

	Sample Integrity		Chain of Custody Clarification		
	Parameter(s) past holding time	x	Login Clarification Needed		**If Broken Container:**
	Improper temperature		Chain of custody is incomplete		Insufficient packing material around container
	Improper container type		Please specify Metals requested.		Insufficient packing material inside cooler
	Improper preservation		Please specify TCLP requested.		Improper handling by carrier (FedEx / UPS / Courie
	Insufficient sample volume.		Received additional samples not listed on coc.		Sample was frozen
	Sample is biphasic.		Sample ids on containers do not match ids on coc		Container lid not intact
	Vials received with headspace.		Trip Blank not received.		**If no Chain of Custody:**
	Broken container		Client did not "X" analysis.		Received by:
	Broken container:		Chain of Custody is missing		Date/Time:
	Sufficient sample remains				Temp./Cont. Rec./pH:
					Carrier:
					Tracking#

Login Comments: What TPH?

Client informed by:	X	Call		Email		Voice Mail		Date:5/26/15	Time:10:32
TSR Initials: TAH	Client Contact: Lynn Cook								

Login Instructions: TPH not needed.

Client: Agua Moss

Project: Back Ground Sampling

Sampler: R. Garcia

Phone:

Email(s): R. Garcia

Project Manager: Greg Crabtree

RUSH? ☐ 1d ☐ 3d

Page 1 of 1

Lab Use Only	
Lab WO#	P505057
Job Number	07117-0031

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	~~Chloride by 300.0~~ Uranium	8260	8270	PCB's	Radioactivity Combined	Radium-226 & Radium 228	Lab Only: Lab Number	Lab Only: Correct Cont/Prsrv (s) Y/N
Back Ground NW	5/20/15	1:45	S	4-4oz/G/cool			X	X	X	X	X	X	X	1	Y
Back Ground SE	5/20/15	2:37	S	4-4oz/G/cool			X	X	X	X	X	X	X	2	Y
												jmg			

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5/20/15	17:25		5/21/15	7:15
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
**Received on Ice Y / N
T1 10.2 T2 8.9 T3 9.0
AVG Temp °C 9.4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6C on subsequent days.

☒ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info:

envirotech Analytical Laboratory

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fx (800) 362-1879

envirotech-inc.com

2609 North River Road, Port Allen, Louisiana 70767
(800) 401-4277 -- FAX (225) 381-2996

ARS International, LLC

Laboratory Analysis Report

ARS1-15-01509

Prepared for:

Envirotech, Inc

Lynn Cook/ Tim Cain
5796 US Highway 64
Farmington, NM 87401

lcook@envirotech-inc.com; tcain@envirotech-inc.com

Phone: 505-632-0615
Fax: 505-632-1865

Project Manager Review

Management Review

Contact Person: Questions regarding this analytical report should be addressed to:

Project Manager

ProjectManagers@amrad.com

Phone: 225.381.2991
Fax: 225.381.2996

ACLASS DoD ELAP

LELAP Cert# 01949

2609 North River Road, Port Allen, Louisiana 70767
1 (800) 401-4277 FAX (225) 381-2998

ARS Sample Delivery Group: ARS1-15-01509
Client Sample ID: Background NW
Sample Collection Date: 05/20/15
Sample Matrix: Soil/Solid/Sludge

Request or PO Number: 142243
ARS Sample ID: ARS1-15-01509-001
Date Received: 05/29/15
Report Date: 06/01/15

Analysis Description	Analysis Results	CSU +/- 2 s	MDC	DLC	Qual	Analysis Units	Analysis Test Method	Analysis Date/Time	Analysis Technician	Tracer/Chem Recovery
BE-7	0.000	0.285	1.840	0.920	U	pCi/g	ARS-007/EPA 901.1M	06/01/15 08:12	WJS	NA
K-40	26.572	4.126	0.964	0.482		pCi/g	ARS-007/EPA 901.1M	06/01/15 08:12	WJS	NA
SC-46	0.000	0.019	0.261	0.131	U	pCi/g	ARS-007/EPA 901.1M	06/01/15 08:12	WJS	NA
TL-208	0.760	0.163	0.059	0.030		pCi/g	ARS-007/EPA 901.1M	06/01/15 08:12	WJS	NA
PB-210	0.447	2.381	3.170	1.585	U	pCi/g	ARS-007/EPA 901.1M	06/01/15 08:12	WJS	NA
BI-212	0.376	1.556	1.700	0.850	U	pCi/g	ARS-007/EPA 901.1M	06/01/15 08:12	WJS	NA
BI-214	1.215	0.490	0.457	0.229		pCi/g	ARS-007/EPA 901.1M	06/01/15 08:12	WJS	NA
PB-214	1.577	0.360	0.222	0.111		pCi/g	ARS-007/EPA 901.1M	06/01/15 08:12	WJS	NA
RA-226	5.249	2.840	2.990	1.495		pCi/g	ARS-007/EPA 901.1M	06/01/15 08:12	WJS	NA
RA-228	2.339	0.495	0.243	0.122		pCi/g	ARS-007/EPA 901.1M	06/01/15 08:12	WJS	NA
TH-228	1.739	0.329	0.318	0.159		pCi/g	ARS-007/EPA 901.1M	06/01/15 08:12	WJS	NA
U-235	0.060	0.756	0.976	0.488	U	pCi/g	ARS-007/EPA 901.1M	06/01/15 08:12	WJS	NA
U-238	2.918	1.339	3.680	1.840	U	pCi/g	ARS-007/EPA 901.1M	06/01/15 08:12	WJS	NA
Total Gamma	44.519	NA	NA	NA		pCi/g	ARS-007/EPA 901.1M	06/01/15 08:12	WJS	NA
Total NORM Activity	70.426	NA	NA	NA		pCi/g	ARS-007/EPA 901.1M	06/01/15 08:12	WJS	NA

NOTES:

Project Manager Review

Notes: ARS International, LLC assumes no liability for the use or interpretation of any analytical results provided other than the cost of the analysis itself.

The results in this report pertain only to the samples tested and are intended solely for the use of the client.

LELAP Certificate# 01949

2609 North River Road, Port Allen, Louisiana 70767
1 (800) 401-4277 FAX (225) 381-2996

ARS Sample Delivery Group: ARS1-15-01509
Client Sample ID: Background SE
Sample Collection Date: 05/20/15
Sample Matrix: Soil/Solid/Sludge

Request or PO Number: 142243
ARS Sample ID: ARS1-15-01509-002
Date Received: 05/29/15
Report Date: 06/01/15

Analysis Description	Analysis Results	CSU +/- 2 s	MDC	DLC	Qual	Analysis Units	Analysis Test Method	Analysis Date/Time	Analysis Technician	Tracer/Chem Recovery
BE-7	0.070	0.801	1.460	0.730	U	pCi/g	ARS-007/EPA 901.1M	06/01/15 08:13	WJS	NA
K-40	28.366	4.316	2.580	1.290		pCi/g	ARS-007/EPA 901.1M	06/01/15 08:13	WJS	NA
SC-46	-0.006	0.967	0.176	0.088	U	pCi/g	ARS-007/EPA 901.1M	06/01/15 08:13	WJS	NA
TL-208	0.403	0.154	0.196	0.098		pCi/g	ARS-007/EPA 901.1M	06/01/15 08:13	WJS	NA
PB-210	0.563	1.666	3.100	1.550	U	pCi/g	ARS-007/EPA 901.1M	06/01/15 08:13	WJS	NA
BI-212	0.528	1.004	1.730	0.865	U	pCi/g	ARS-007/EPA 901.1M	06/01/15 08:13	WJS	NA
BI-214	0.980	0.347	0.446	0.223		pCi/g	ARS-007/EPA 901.1M	06/01/15 08:13	WJS	NA
PB-214	1.319	0.364	0.316	0.158		pCi/g	ARS-007/EPA 901.1M	06/01/15 08:13	WJS	NA
RA-226	0.776	2.016	3.660	1.830	U	pCi/g	ARS-007/EPA 901.1M	06/01/15 08:13	WJS	NA
RA-228	1.669	0.474	0.286	0.143		pCi/g	ARS-007/EPA 901.1M	06/01/15 08:13	WJS	NA
TH-228	1.496	0.317	0.293	0.147		pCi/g	ARS-007/EPA 901.1M	06/01/15 08:13	WJS	NA
U-235	-0.182	1.070	0.846	0.423	U	pCi/g	ARS-007/EPA 901.1M	06/01/15 08:13	WJS	NA
U-238	1.042	2.065	3.630	1.815	U	pCi/g	ARS-007/EPA 901.1M	06/01/15 08:13	WJS	NA
Total Gamma	37.884	NA	NA	NA		pCi/g	ARS-007/EPA 901.1M	06/01/15 08:13	WJS	NA
Total NORM Activity	47.880	NA	NA	NA		pCi/g	ARS-007/EPA 901.1M	06/01/15 08:13	WJS	NA

NOTES:

Project Manager Review

Notes: ARS International, LLC assumes no liability for the use or interpretation of any analytical results provided other than the cost of the analysis itself. Reproduction of this report in less than full requires the written consent of ARS International, LLC. The results in this report pertain only to the samples tested and are intended solely for the use of the client.

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ARS INTERNATIONAL

QC Results per Analytical Batch

Analytical Batch	ARS1-B15-02160
SDG	ARS1-15-01509
Analysis	Gamma Spec (Solid)
Analysis Test Method	ARS-007/EPA 901.1M
Analysis Code	GAM-A-020
Report Units	pCi/g

Acceptable QC Performance Ranges

QC Sample Type	Performance Items and Ranges		
Laboratory Control Sample	Recovery (%):	> 75	< 125
Matrix Spike	Recovery (%):	> 60	< 140
Duplicate	Replicate Error Ratio (RER):		< 1
	Duplicate Error Ratio (DER):		< 3
	Relative Percent Difference (RPD %):		≤ 25

Laboratory Control Sample

Analysis Date: 06/01/15 07:48 | Analysis Technician: WJS

Analysis Batch Sample ID	QC Type	Analyte	Results	CSU (2s)	Expected Value	LCS Rec (%)	MDC
ARS1-B15-02160-01	LCS	AM-241	39200	2900	40000	98	630
ARS1-B15-02160-01	LCS	CO-60	68300	2800	67189	102	770
ARS1-B15-02160-01	LCS	CS-137	58200	2500	57270	102	360

Duplicate RER/DER/RPD

Analysis Date: 06/01/15 07:59 | Analysis Technician: WJS

Analyte	Result LCS	CSU LCS (2s)	Results LCSD	CSU LCSD (2s)	RER	DER	RPD
AM-241	39200	2860	41500	3233	0.38	1.05	5.7
CO-60	68300	2807	66900	2763	0.26	0.71	2.1
CS-137	58200	2491	60000	2822	0.34	0.94	3.0

Method Blank

Analysis Date: 06/01/15 07:47 | Analysis Technician: WJS

Analysis Batch Sample ID	QC Type	Analyte	Results	CSU (2s)	MDC	Qual
ARS1-B15-02160-03	MBL	AM-241	-2	47	29	U
ARS1-B15-02160-03	MBL	CO-60	6	15	29	U
ARS1-B15-02160-03	MBL	CS-137	-6	23	28	U

EN

LELAP Certificate# 01949

ARS INTERNATIONAL
2609 North River Road • Port Allen, Louisiana 70767
1 (800) 401-4277 • Fax (225) 381-2996

Notes:

Comments:

1.0) Soil and Sludge analysis are reported on a wet basis or an as received basis unless otherwise indicated.

2.0) Data in this report are within the limits of uncertainty specified in the reference method unless otherwise specified.

3.0) Modified analysis procedures are procedures that are modified to meet the certain specifications. An example may be the use of a water method to analyze a solid matrix due to the lack of an officially recognized procedure for the analysis of the solid matrix. Modified analyses are indicated by the subsequent addition of "m" to the procedure number (i.e. 900.0M).

4.0) Derived Air Concentrations and Effluent Release Concentrations are obtained from 10 CFR 20 Appendix B.

5.0) **Total activity** is actually total gamma activity and is determined utilizing the prominent gamma emitters from the naturally occurring radioactive decay chains and other prominent radioactive nuclides. Total activity may be lower than the actual total activity due to the extent of secular equilibrium achieved in the various decay chains at the time of analysis. The total activity is not representative of nuclides that emit solely alpha or beta particles.

6.0) Ra-228 is determined via secular equilibrium with its daughter, Actinium 228 (Gamma Spectroscopy only).

7.0) U-238 is determined via secular equilibrium with its daughter, Thorium 234 (Gamma Spectroscopy only).

8.0) All gamma spectroscopy was performed utilizing high purity germanium detectors (**HPGe**).

9.0) ARS makes every attempt to match sample density to calibrated density; however, in some cases, it is not practical or possible to do so and data results may be affected (Gamma Spectroscopy only).

10.0) Gamma spectroscopy results are calculated values based on the **ORTEC®** GammaVision ENV32 Analysis Engine.

11.0) ACLASS DOD and ISO 17025 certification applies only to the following analytes and methods: Gross Alpha and Gross Beta (EPA 900, SM7110B&C, SW846 9310); Radium 226 (EPA 903, EPA 903.1, SM 7500 Ra-B, SW846 9315); Radium 228 (EPA 904, SM 7500 Ra-B SW846 9320); Iodine-131(EPA 901.1); Uranium by ICPMS (EPA 200.8); Strontium 89/90 (EPA 905, Eichrom SRW01, HASL 300 Sr-03-RC); Tritium (EPA 906, EPA 906M); Gamma Emitters (EPA 901.1, SM7120B, HASL 300 Ga-01-R); Americium-241, Curium 242/244, Plutonium 239/240 and 241, Thorium 228/230/232, Uranium 234/233 and 238 (Eichrom ACW03 VBS); Lead 210 (HASL 300 Pb-01-RC, Eichrom OTW01); Polonium 210 (HASL 300 Po-01-RC, HASL 300 Po-02-RC); Technetium-99 (Eichrom TCW02, Eichrom TCS01M).

Method References:

1.0) **EPA 600/4-80-032**; Prescribed Procedures for the Measurements of Radioactivity in Drinking Water, August 1980.

2.0) Standard Methods for Examination of Water and Waste Water, 18th, 1992.

3.0) **EPA SW-846**; Test Methods for Evaluating Solid Waste, Third Edition, (9/86). (Updated through 1995).

4.0) **EPA 600/4/79-020**; Methods for Chemical Analysis of Water and Waste, March 1983.

5.0) **HASL 300**

6.0) **ARS-040**; An LCSD is not reported with this process. The criteria for the LCS/LCSD analysis for reproducibility have not been established for Low Level Tritium analysis. A prepared standard for Low Level Tritium has not been developed. As a result, the standard we use is based on the dilution of a verified conventional tritium standard. The volume required for Low Level Tritium analysis, in addition to the lack of an available Low Level Tritium standard, introduce variability into the LCS/LCSD analysis that does not represent the actual sample analysis. The preferred measure for reproducibility is to run a duplicate analysis of a sample.

Definitions:

1.0)	**ND**	Not detected above the detection limit (non-detect).
2.0)	**MDC**	(Minimum Detectable Concentration) minimum concentration of the analyte that ARS can detect utilizing the specific analysis
3.0)	**MBL**	Method Blank
4.0)	**DO**	Duplicate Original
5.0)	**DUP**	Method Duplicate
6.0)	**MS/MSD**	Matrix Spike/Matrix Spike Duplicate
7.0)	**S**	Spike
8.0)	**RS**	Reference Spike
9.0)	***SC**	Subcontracted out to another qualified laboratory
10.0)	**NR**	Not Referenced
11.0)	**N/A**	Not Applicable
13.0)	**U**	Activity is below the MDC
14.0)	**LCS/LCSD**	Laboratory Control Standard/Laboratory Control Standard Duplicate
15.0)	**DLC**	Decision Level Concentration (ANSI N42.23) or critical level

Notes: ARS International assumes no liability for the use or interpretation of any analytical results provided other than the cost of the analysis itself. Reproduction of this report in less than full requires the written consent of the client.

LELAP Cert# 01949 ***NELAP Cert# E87558***

ARS INTERNATIONAL

Company Name: Envirotech
Address: 5796 US HWY 64
Farmington, NM 87401
Phone# 505-632-0615
Fax#
Email: LCOOK@ENVIROTECH-INC.COM, TCRAIG@ENVIROTECH-INC.COM

Client Contact: Lynn Cook & Tim Craig
Purchase Order: ~~142018~~ 142243
Job#: 07117-0031

Turnaround Time (business days):
3 hr 24 hr 48 hr 2 day 3 day 5 day 10 day (15 day (Standard)) ____ (other)

Sent To: ARS International, Inc
Contact: Susan Leese
Address: 2609 North River Road
Port Allen, LA 70767
Phone: (225) 381-2991
Fax: (225) 381-2996

	Date	Time	Sample ID	Type *	# of Cont	Gamma Spectrometry	Gross		Radiochemistry								Radium in water				Others			
						Natural NORM	Gross Alpha	Gross Beta	Am	Pu	U	Th	Po	Np	Sr-90	Sr-89/90	Ra-228 904.0	Ra-226 903.0	Ra-226 903.1	Ra-222 910.0	H3	Total U	KPA	C-14
1	5/20/15	1345	Background NW	S	1	X																		
2	5/20/15	1437	Background SE	S	1	X																		
3																								
4																								
5																								
6																								
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20																								

Additional Notes:

Relinquished by: (signature)	Date/Time
[signature]	5/20/15/1400

Received by: (signature)	Date/Time
FedEx	
[signature]	5-29-15

Lot #4

* **Types of samples:** S - solids, AQ - aqueous, DW - drinking water, SM - smear, LT - leak test, AF - air filters, SI - Silica gel, VG - vegetation, BIO - Bioassay

ENVIROTECH Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

PT No: _____
C.O.C #: _____

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No: _____
PAGE No: ___ of ___

FACILITY LOCATION: Agave Mesa Land Farm
SOURCE LOCATION: North West corner of lot
SOURCE LOCATION: Black Ground NW Corner
SOURCE LOCATION: _____
FACILITY CLASSIFICATION: _____ PIT TYPE: _____

DATE STARTED: 5/20/15
DATE FINISHED: 5/20/15
ENVIRONMENTAL SPECIALIST: J. Galicia

SOIL REMEDIATION: QUANTITY: _____ # OF COMP SAMPLES: _____
DIMENSIONS: _____
VISIBLE OBSERVATIONS: _____
SAMPLING PLAN: _____

FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

DEPTH TO GROUNDWATER:
NEAREST WATER SOURCE/TYPE:
NEAREST SURFACE WATER:
MAX TPH PER NMOCD:

No. OF 5-POINT COMPOSITE SAMPLES:
YARDAGE--#
0-200=1
201-400=2
401-1000=3
>1000=5

FACILITY DIAGRAM

GRID SCALE:

N

Fence Line

Fence Line

X 36.759040
108.073990

X 36.758848
108.073957

X 36.758674
108.073942

X 36.758505
108.073907

X 36.758396
108.073914

Samples collected @ 12" BGS

OVM RESULTS

SAMPLE	FIELD HEADSPACE PID (ppm)

LAB RESULTS

NORTH

ENVIROTECH Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

P.I. No:
C.O.C #:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

LOE No:
PAGE No: ___ of ___

FACILITY LOCATION: Agua Moss, Land Farm
SOURCE LOCATION: South East Corner of Lot
SOURCE LOCATION: Background SE Corner
SOURCE LOCATION:
FACILITY CLASSIFICATION: PIT TYPE:

DATE STARTED: 5/20/13
DATE FINISHED: 5/20/13
ENVIRONMENTAL SPECIALIST: E. Garcia

SOIL REMEDIATION: QUANTITY: # OF COMP SAMPLES:
DIMENSIONS:
VISIBLE OBSERVATIONS:
SAMPLING PLAN:

FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX ____ YARDS ____ FROM WELLHEAD.

DEPTH TO GROUNDWATER:
NEAREST WATER SOURCE/TYPE:
NEAREST SURFACE WATER:
MAX TPH PER NMOCD:

No. OF 5-POINT COMPOSITE SAMPLES:
YARDAGE--#
1-200=1
201-400=2
401-1000=3
>1000=5

FACILITY DIAGRAM

GRID SCALE:

Samples collected @ 12" BGS.

N

36.755612
108.091422

36.755600
108.091299

36.755470
108.091397

36.755283
108.091609

36.755260
108.091479

OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)

LAB RESULTS