

1 of 2

UICI - 005

AGUA MOSS LLC

**ANNUAL
REPORT**

2012

Annual Class I Well Report for 2012

June 18, 2013

Agua Moss, LLC

PO Box 600

Farmington, NM 87499

Permit UICI-005

API 30-045-28653

Submitted By:

Philana Thompson

Regulatory Compliance Specialist

Merrion Oil & Gas

610 Reilly Ave

Farmington, NM 87401

505-486-1171 cell

505-324-5336 offc

pthompson@merrion.bz

Summary of Operations

In January 2012, Agua Moss, LLC began the transfer ownership of the disposal well permitted under UICI-005.

September of 2012 the renewal permit UICI-005 was approved.

There was no major work performed on the well in 2012 other than the required annual MIT.

Agua Moss, LLC in summer of 2012 began closure process of NM1-009 surface waste facilities. The un-lined pond was closed fall of 2012. Upon testing of the soils it appeared that a possible release had occurred, Agua Moss performed additional sampling and delineation and was below regulatory limits and no further action was necessary. Agua Moss is currently waiting on approval to close the remaining surface waste facility.

The annual MIT and Fall off Test will be performed before 9/1/2013, the FOT & MIT test plans will be submitted by June 28, 2013.

Appendices

Appendix A

Monthly Injection/disposal volumes
MAX and Average injection PSI

Appendix B

Chemical Analyses data
Landfarm sampling data

Appendix C

MIT
Well head Charts
BH Test

Appendix D

2012 Daily Log Sheets
2012 Morning Reports
2012 Monthly Injection Report
2012 Pond Inspections

Appendix E

C-138

Appendix A

Monthly Injection/Disposal Volume

		Production					Injection				
Year	Pool	Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure
2012	[96160] SWD;MESASVERDE	Jan	0	0	0	0	5656	0	0	0	0
2012	[96160] SWD;MESASVERDE	Feb	0	0	0	0	3775	0	0	0	2100
2012	[96160] SWD;MESASVERDE	Mar	0	0	0	0	7339	0	0	0	2100
2012	[96160] SWD;MESASVERDE	Apr	0	0	0	0	8379	0	0	0	1600
2012	[96160] SWD;MESASVERDE	May	0	0	0	0	23230	0	0	0	1975
2012	[96160] SWD;MESASVERDE	Jun	0	0	0	0	5139	0	0	0	1775
2012	[96160] SWD;MESASVERDE	Jul	0	0	0	0	3561	0	0	0	1834
2012	[96160] SWD;MESASVERDE	Aug	0	0	0	0	3329	0	0	0	1700
2012	[96160] SWD;MESASVERDE	Sep	0	0	0	0	2565	0	0	0	1542
2012	[96160] SWD;MESASVERDE	Oct	0	0	0	0	3131	0	0	0	1734
2012	[96160] SWD;MESASVERDE	Nov	0	0	0	0	2238	0	0	0	1654
2012	[96160] SWD;MESASVERDE	Dec	0	0	0	0	1430	0	0	0	1605
2013	[96160] SWD;MESASVERDE	Jan	0	0	0	0	2758	0	0	0	1600
2013	[96160] SWD;MESASVERDE	Feb	0	0	0	0	4554	0	0	0	1757
2013	[96160] SWD;MESASVERDE	Mar	0	0	0	0	4192	0	0	0	1743
2013	[96160] SWD;MESASVERDE	Apr	0	0	0	0	17665	0	0	0	1968
2013	[96160] SWD;MESASVERDE	May	0	0	0	0	7818	0	0	0	1950

Avg
 PSI 2051.193
 MAX 2100

Cum 3351962
 Annual 106759

Yellow= to be adjusted

2006	834459
2007	888466
2008	728774
2009	354560
2010	322520
2011	116424
2012	69772

Agua Moss Crouch MESA
SUMCO

Agua Moss Monthly Report <i>JAN 2012</i>		
Total		
Totals		<i>5460</i>
Don't Exempt		
Received		<i>1020</i>
Flowback		—
City Water		—
Avg. Wellhead Pressure		<i>1530</i>
Oil Sold		—
Oil Storage		—
Tank # 11029 200 bbl		—
Tank # 11030 200 bbl		—
Tank # 10921 400 bbl		—
Tank # 39 400 bbl		—
Tank # 40 400 bbl		—
Tank # 41 400 bbl		—
Final Treat # 30 400 bbl		—
Treater # 43 500 bbl		—
Treater #44 500 bbl		—
KCL Sales		—
KCL Bulk		—
KCL Tower		—

INJECTED 5656

Crouch Mesa
FEBRUARY 2012

Agua Moss Monthly Report 2-29-2012		
Totals		3930
Received		3930
Flowback		—
Non Exempt City Water		670
Avg. Wellhead Pressure		1500
Oil Sold		—
Oil Storage		—
Tank # 11029 200 bbl		—
Tank # 11030 200 bbl		—
Tank # 10921 400 bbl		8
Tank # 39 400 bbl		—
Tank # 40 400 bbl		—
Tank # 41 400 bbl		—
Final Treat # 30 400 bbl		—
Treater # 43 500 bbl		—
Treater #44 500 bbl		—
KCL Sales		—
KCL Bulk		—
KCL Tower		—

Crouch Mesa

inj Total 3775

CROUCH MESA

Agua Moss Monthly Report March 2012		
Totals	6923	
Received	6923	
Flowback	-	
Non-exempt City Water	1010	
Avg. Wellhead Pressure	1528.20	
Oil Sold	-	
Oil Storage	-	
Tank # ^{in 5} 11020 200 bbl	7339	→ 7933
Tank # 11030 200 bbl		
Tank # 10921 400 bbl		
Tank # 39 400 bbl		
Tank # 40 400 bbl		
Tank # 41 400 bbl		
Final Treat # 30 400 bbl		
Treater # 43 500 bbl		
Treater #44 500 bbl		
KCL Sales	-	
KCL Bulk	-	
KCL Tower	-	

Crouch Mesa

April 2012

Ague Moss Monthly Report		
Totals		9125
Total Received		9125
Flowback		1300
EXP. City Water		7825
Avg. Wellhead Pressure		11600
Oil Sold		
Oil Storage		
Tank # 11029 200 bbl		
Tank # 11030 200 bbl		
Tank # 10921 400 bbl		
Tank # 39 400 bbl		
Tank # 40 400 bbl		
Tank # 41 400 bbl		
Final Treat # 30 400 bbl		
Treater # 43 500 bbl		
Treater #44 500 bbl		
KCL Sales		
KCL Bulk		
KCL Tower		

May 2012

CROUCH MESA FACILITY

Agua Moss Monthly Report		
Totals	22996	
Received	3228	
Flowback	2160	
City Water	17608	
Avg. Wellhead Pressure	1975	
Oil Sold		
Oil Storage		
Tank # 11029	200 bbl	
Tank # 11030	200 bbl	
Tank # 10821	400 bbl	
Tank # 39	400 bbl	
Tank # 40	400 bbl	
Tank # 41	400 bbl	
Final Treat # 30	400 bbl	
Treater # 43	500 bbl	
Treater # 44	500 bbl	
KCL Sales		
KCL Bulk		
KCL Tower		

PRODUCED

NON
EXEMPT

INJECTED 23230

CROUCH MESA

JUNE 2012

TOTAL
FLUID

PRODUCED

NON-EXEMPT

Agua Moss Monthly Report		
Totals		5592
Received		5370
Flowback		95
City Water		127
Avg Wellhead Pressure		1775
Oil Sold		
Oil Storage		
Tank # 11029 200 bbl		
Tank # 11030 200 bbl		
Tank # 10921 400 bbl		
Tank # 39 400 bbl		
Tank # 40 400 bbl		
Tank # 41 400 bbl		
Final Treat # 30 400 bbl		
Treater # 43 500 bbl		
Treater # 44 500 bbl		
KCL Sales		
KCL Bulk		
KCL Tower		

INJECTED 5139

CROUCH MESA FACILITY

JULY 2012

Agua Mosa Monthly Report		
ALL Totals		5355
PRODUCED Received		3665
Flowback		0
NON-EXEMPT City Water		1690
Avg. Wellhead Pressure		1834
INJECTED Gels		3561
Oil Storage		
Tank # 11029 200 bbl		
Tank # 11030 200 bbl		
Tank # 10921 400 bbl		
Tank # 39 400 bbl		
Tank # 40 400 bbl		
Tank # 41 400 bbl		
Final Treat # 30 400 bbl		
Treater # 43 500 bbl		
Treater # 44 500 bbl		
KCL Sales		
KCL Bulk		
KCL Tower		

AUGUST 2012

CROUCH MESA FACILITY

Agua Moss Monthly Report		
Totals		4495
PRODUCED Received		3830
Flowback		0
NON EXEMPT City Water		665
Avg. Wellhead Pressure		1700
Oil Sold		
Oil Storage		
Tank # 11029 200 bbl		
Tank # 11030 200 bbl		
Tank # 10921 400 bbl		
Tank # 39 400 bbl		
Tank # 40 400 bbl		
Tank # 41 400 bbl		
Final Treat # 30 400 bbl		
Treater # 43 500 bbl		
Treater #44 500 bbl		
KCL Sales		
KCL Bulk		
KCL Tower		

INJECTED 3329

CROUCH MESA FACILITY

SEPTEMBER 2012

Agua Moss Monthly Report		
Totals		3076.5
Received		2540
Flowback		0
City Water		536.5
Avg. Wellhead Pressure		1542
Oil Sold		
Oil Storage		
Tank # 11029 200 bbl		
Tank # 11030 200 bbl		
Tank # 10921 400 bbl		
Tank # 39 400 bbl		
Tank # 40 400 bbl		
Tank # 41 400 bbl		
Final Treat # 30 400 bbl		
Treater # 43 500 bbl		
Treater #44 500 bbl		
KCL Sales		
KCL Bulk		
KCL Tower		

INJECTED 2565

RODUCED

JON-EXEMPT

CROUCH MESA FACILITY

OCTOBER 2012

PRODUCED

NON-
EXEMPT

INJECTED 3131

Agua Moss Monthly Report		
Totals		3225
Received		2685
Flowback		0
City Water		540
Avg. Wellhead Pressure		1734
Oil Sold		
Oil Storage		
Tank # 11029 200 bbl		
Tank # 11030 200 bbl		
Tank # 10921 400 bbl		
Tank # 39 400 bbl		
Tank # 40 400 bbl		
Tank # 41 400 bbl		
Final Treat # 30 400 bbl		
Treater # 43 500 bbl		
Treater # 44 500 bbl		
KCL Sales		
KCL Bulk		
KCL Tower		

CROUCH MESA FACILITY

NOVEMBER 2012

Agua Moss Monthly Report		
Totals		2915
Received		2440
Flowback		0
City Water		475
Avg. Wellhead Pressure		1654
Oil Sold		
Oil Storage		
Tank # 11029 200 bbl		
Tank # 11030 200 bbl		
Tank # 10921 400 bbl		
Tank # 39 400 bbl		
Tank # 40 400 bbl		
Tank # 41 400 bbl		
Final Heat # 30 400 bbl		
Treater # 43 500 bbl		
Treater #44 500 bbl		
KCL Sales		
KCL Bulk		
KCL Tower		

PRODUCED

NON-
EXEMPT

INJECTED 2238

CROUCH MESA FACILITY

DECEMBER 2012

PRODUCED

NDN-
EXEMPT

INJECTED 1430

Agua Moss Monthly Report		
Totals		2525
Received		2320
Flowback		0
City Water		205
Avg. Wellhead Pressure		1605
Oil Sold		
Oil Storage		
Tank # 11029 200 bbl		
Tank # 11030 200 bbl		
Tank # 10921 400 bbl		
Tank # 39 400 bbl		
Tank # 40 400 bbl		
Tank # 41 400 bbl		
Final Treat # 30 400 bbl		
Treater # 43 500 bbl		
Treater #44 500 bbl		
KCL Sales		
KCL Bulk		
KCL Tower		

Appendix B



August 30, 2012

Project Number: 07117-0006

Ms. Philana Thompson
Regulatory Compliance
Agua Moss
345 CR 350
Farmington, New Mexico 87401

Phone: (505)-324-5336

RE: SECOND QUARTER INJECTED FLUIDS SAMPLING AND ANALYTICAL RESULTS, AGUA MOSS, SAN JUAN COUNTY, NEW MEXICO

Dear Ms. Thompson:

Please find enclosed the analytical results, field notes, and *Table 1, Summary of Analytical Results* for the injected fluids 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 analytes and procedures that were requested.

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

Respectfully Submitted,
ENVIROTECH, INC.

A handwritten signature in black ink, appearing to read 'Christopher Arrigo', written over a horizontal line.

Christopher Arrigo
Staff Scientist
carrigo@envirotech-inc.com

Enclosure: Table 1, Summary of Analytical Results
Analytical Results
Field Notes

Cc: Client File Number: 07117

Table 1, Summary of Analytical Results
Second Quarter Injected Fluids Sampling
Agua Moss
San Juan County, New Mexico
Project No. 07117-0006
August 2012

Contaminant of Concern	Sample Location	
	Units	Injection Facility
pH*	(s.u.)	7.16
ORP*	mV	-318.9
Specific Conductance*	mS	56.12
Specific Gravity	ratio	10
Temperature*	°C	26.21
Conductivity @ 25 °C	umhos/cm	55700
Total Dissolved Solids @ 180 °C	mg/L	33200
SAR	ratio	42.6
Total Alkalinity as CaCO3	mg/L	1150
Total Hardness as CaCO3	mg/L	869
Bicarbonate as CaCO3	mg/L	1150
Carbonate as CaCO3	mg/L	<0.01
Hydroxide as CaCO3	mg/L	<0.01
Nitrate Nitrogen	mg/L	<0.01
Nitrite Nitrogen	mg/L	<0.01
Chloride	mg/L	2090
Fluoride	mg/L	0.6
Phosphate	mg/L	16.1
Sulfate	mg/L	229
Iron	mg/L	1.56
Calcium	mg/L	216
Magnesium	mg/L	80.4
Potassium	mg/L	135
Sodium	mg/L	2890
Bromide	mg/L	35
* Field Measurement		



Report Summary

Client: Agua Moss

Chain of Custody Number: 14211

Samples Received: 08-08-12

Job Number: 07117-0006

Sample Number(s): 62895

Project Name/Location: Agua Moss Injection Facility

Entire Report Reviewed By:

Daniel Zappi

Date:

08-17-12

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.

**CATION / ANION ANALYSIS**

Client:	Agua Moss	Project #:	07117-0006
Sample ID:	Injection Fluids	Date Reported:	08-14-12
Laboratory Number:	62895	Date Sampled:	08-08-12
Chain of Custody:	14211	Date Received:	08-08-12
Sample Matrix:	Aqueous	Date Analyzed:	08-09-12
Preservative:	Cool		
Condition:	Intact		

Parameter	Analytical Result	Units		
pH	7.32	s.u.		
Conductivity @ 25° C	55,700	umhos/cm		
Total Dissolved Solids @ 180C	33,200	mg/L		
SAR	42.6	ratio		
Total Alkalinity as CaCO3	1,150	mg/L		
Total Hardness as CaCO3	869	mg/L		
Bicarbonate as CaCO3	1,150	mg/L	18.8	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	< 0.01	mg/L	0.000	meq/L
Nitrite Nitrogen	< 0.01	mg/L	0.000	meq/L
Chloride	2,090	mg/L	59	meq/L
Fluoride	0.600	mg/L	0.032	meq/L
Phosphate	16.1	mg/L	0.509	meq/L
Sulfate	229	mg/L	4.77	meq/L
Iron	1.56	mg/L	0.056	meq/L
Calcium	216	mg/L	11	meq/L
Magnesium	80.4	mg/L	7	meq/L
Potassium	135	mg/L	3.5	meq/L
Sodium	2,890	mg/L	126	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 **Agua Moss Injection Facility**



Specific Gravity

Client:	Aqua Moss	Project #:	07117-0006
Sample ID:	Injection Fluids	Date Reported:	08-17-12
Lab ID#:	62895	Date Sampled:	08-08-12
Sample Matrix:	Aqueous	Date Received:	08-08-12
Preservative:	Cool	Date Analyzed:	08-17-12
Condition:	Intact	Chain of Custody:	14211

Parameter	Analytical Result
-----------	-------------------

Specific Gravity

10.0

Reference: Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992

Comments: Aqua Moss Injection Facility



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Lynn Berry
EnviroTech- NM
5796 US. Highway 64
Farmington, NM 87401

Report Summary

Wednesday August 15, 2012

Report Number: L589660

Samples Received: 08/11/12

Client Project: 071170006

Description: Aqua Moss Injection Facility

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.

Entire Report Reviewed By:

Daphne Richards, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/BIO041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Lynn Berry
EnviroTech- NM
5796 US. Highway 64
Farmington, NM 87401

August 15, 2012

Date Received : August 11, 2012
Description : Agua Moss Injection Facility
Sample ID : INJECTION FLUIDS-62895
Collected By :
Collection Date : 08/08/12 12:42

ESC Sample # : L589660-01

Site ID :

Project # : 071170006

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Bromide	35.	1.0	mg/l	300.0	08/14/12	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 08/15/12 13:34 Printed: 08/15/12 14:50

Summary of Remarks For Samples Printed
08/15/12 at 14:50:02

TSR Signing Reports: 288
R5 - Desired TAT

Auto QC on all reports Full TCLP also requires RCI Dry wt PO NUMBERS ON ALL PROJECTS Glycols-
sub outs \$225

Sample: L589660-01 Account: ENVIROFNM Received: 08/11/12 09:00 Due Date: 08/17/12 00:00 RPT Date: 08/15/12 13:34



YOUR LAB OF CHOICE

EnviroTech- NM
Lynn Berry
5796 US. Highway 64
Farmington, NM 87401

Quality Assurance Report
Level II

L589660

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

August 15, 2012

		Laboratory Blank							
Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed			
Bromide	< 1	mg/l			WG607592	08/14/12 07:14			
Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp Batch			
Bromide	mg/l	0	0	0	20	L589675-02 WG607592			
Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch			
		Known Val	Result						
Bromide	mg/l	40	39.4	98.5	90-110	WG607592			
Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch	
Bromide	mg/l	39.4	39.4	98.0	90-110	0	20	WG607592	
Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch	
Bromide	mg/l	48.4	0	50	96.8	80-120	L589675-01	WG607592	
Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Bromide	mg/l	47.7	48.4	95.4	80-120	1.46	20	L589675-01	WG607592

Batch number /Run number / Sample number cross reference

WG607592: R2302755: L589660-01

- * Calculations are performed prior to rounding of reported values.
 - * Performance of this Analyte is outside of established criteria.
- For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



YOUR LAB OF CHOICE

EnviroTech- NM
Lynn Berry
5796 US. Highway 64
Farmington, NM 87401

Quality Assurance Report
Level II

L589660

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Mt. Juliet, TN 37122
(615) 758-5858
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Tax I.D. 62-0814289

Est. 1970

August 15, 2012

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

H018
Chain of Custody
Age 1 of 1



L.A.B. S-C-I-E-N-C-E-S

12065 Lebanon Road
Mt. Juliet, TN 37122

Phone: (800) 767-5859
Phone: (615) 758-5858
Fax: (615) 758-5859

Billing Information:

Analysis/Container/Preservative

Report to:

Lynn Berry

Email to: lberry@envirotech-inc.com

Day/Sea/
Collected

ESC Key:

Phone:

Client Project #:

07117-0006

FAX:

Site/Facility ID#:

P.O.#:

20309

Collected by (signature):

ESC Key:

Date Results Needed:

No.

Same Day: 200%

Next Day: 100%

Two Day: 50%

Three Day: 25%

Immediately Picked on Ice N

Sample ID

Comp/Grab

Matrix*

Depth

Date

Time

Chlorine

Remainder/Contaminant

Sample # (lab only)

COCode

Template/Protocol

Shipped Via:

Condition:

COC Seal Intact: Y N NA

NCF:

Injection Fluids-42845

OT

8/12/12

1242

1

X

Bromide 9056

1

1

1

1

1

1

1

1

1

Matrix: SS - Soil/Solid GW - Groundwater WW - Wastewater DW - Drinking Water OT - Other

Remarks:

8754 3677 8208

pH

Flow

Other

Temp

Date: 8/10/12

Time: 14:30

Received by: (Signature)

Received for lab by: (Signature)

Date: 8-11-12

Time: 0900

Condition:

COC Seal Intact: Y N NA

NCF:

Matrix: SS - Soil/Solid GW - Groundwater WW - Wastewater DW - Drinking Water OT - Other

Remarks:

8754 3677 8208

pH

Flow

Other

Temp

Date: 8/10/12

Time: 14:30

Received by: (Signature)

Received for lab by: (Signature)

Date: 8-11-12

Time: 0900

Condition:

COC Seal Intact: Y N NA

NCF:

Matrix: SS - Soil/Solid GW - Groundwater WW - Wastewater DW - Drinking Water OT - Other

Remarks:

8754 3677 8208

pH

Flow

Other

Temp

Date: 8/10/12

Time: 14:30

Received by: (Signature)

Received for lab by: (Signature)

Date: 8-11-12

Time: 0900

Condition:

COC Seal Intact: Y N NA

NCF:

Matrix: SS - Soil/Solid GW - Groundwater WW - Wastewater DW - Drinking Water OT - Other

Remarks:

8754 3677 8208

pH

Flow

Other

Temp

Date: 8/10/12

Time: 14:30

Received by: (Signature)

Received for lab by: (Signature)

Date: 8-11-12

Time: 0900

Condition:

COC Seal Intact: Y N NA

NCF:

Matrix: SS - Soil/Solid GW - Groundwater WW - Wastewater DW - Drinking Water OT - Other

Remarks:

8754 3677 8208

pH

Flow

Other

Temp

1421

[illegible]

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

September 19, 2012

Project Number: 07117-0006

Ms. Philana Thompson
Regulatory Compliance
Agua Moss
345 CR 350
Farmington, New Mexico 87401

Phone: (505)-324-5336

RE: THIRD QUARTER INJECTED FLUIDS SAMPLING AND ANALYTICAL RESULTS, AGUA MOSS, SAN JUAN COUNTY, NEW MEXICO

Dear Ms. Thompson:

Please find enclosed the analytical results, field notes, and *Table 1, Summary of Analytical Results* for the injected fluids 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 analytes and procedures that were requested.

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

Respectfully Submitted,
ENVIROTECH, INC.



Christopher Carrigo
Environmental Scientist
carrigo@envirotech-inc.com

Enclosure: Table 1, Summary of Analytical Results
Analytical Results
Field Notes

Cc: Client File Number: 07117

Table 1, Summary of Analytical Results
Third Quarter Injected Fluids Sampling
Agua Moss
San Juan County, New Mexico
Project No. 07117-0006
September 2012

Contaminant of Concern	Sample Location	
	Units	Injection Facility
pH*	(s.u.)	6.73
ORP*	mV	-320.1
Specific Gravity	ratio	1.03
Temperature*	°C	27.4
Conductivity @ 25 °C	umhos/cm	62700
Total Dissolved Solids @ 180 °C	mg/L	41400
SAR	ratio	82.9
Total Alkalinity as CaCO ₃	mg/L	1000
Total Hardness as CaCO ₃	mg/L	4720
Bicarbonate as CaCO ₃	mg/L	1000
Carbonate as CaCO ₃	mg/L	<0.01
Hydroxide as CaCO ₃	mg/L	<0.01
Nitrate Nitrogen	mg/L	1220
Nitrite Nitrogen	mg/L	<0.01
Chloride	mg/L	22700
Fluoride	mg/L	1.53
Phosphate	mg/L	<0.01
Sulfate	mg/L	4.41
Iron	mg/L	3.13
Calcium	mg/L	970
Magnesium	mg/L	561
Potassium	mg/L	110
Sodium	mg/L	13100
Bromide	mg/L	40
* Field Measurement		



Report Summary

Client: Agua Moss

Chain of Custody Number: 14394

Samples Received: 09-05-12

Job Number: 07117-0006

Sample Number(s): 63136

Project Name/Location: Agua Moss Injection Facility

Entire Report Reviewed By:

Dene Zazzi

Date: 09-13-12

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.

**CATION / ANION ANALYSIS**

Client:	Agua Moss	Project #:	07117-0006
Sample ID:	Injection Fluids	Date Reported:	09-13-12
Laboratory Number:	63136	Date Sampled:	09-05-12
Chain of Custody:	14394	Date Received:	09-05-12
Sample Matrix:	Aqueous	Date Analyzed:	09-10-12
Preservative:	Cool		
Condition:	Intact		

Parameter	Analytical Result	Units		
pH	6.25	s.u.		
Conductivity @ 25° C	62,700	umhos/cm		
Total Dissolved Solids @ 180C	41,400	mg/L		
SAR	82.9	ratio		
Total Alkalinity as CaCO3	1,000	mg/L		
Total Hardness as CaCO3	4,720	mg/L		
Bicarbonate as CaCO3	1,000	mg/L	16.4	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	1,220	mg/L	19.679	meq/L
Nitrite Nitrogen	< 0.01	mg/L	0.000	meq/L
Chloride	22,700	mg/L	640	meq/L
Fluoride	1.53	mg/L	0.081	meq/L
Phosphate	< 0.01	mg/L	0.000	meq/L
Sulfate	4.41	mg/L	0.09	meq/L
Iron	3.13	mg/L	0.112	meq/L
Calcium	970	mg/L	48	meq/L
Magnesium	561	mg/L	46	meq/L
Potassium	110	mg/L	2.8	meq/L
Sodium	13,100	mg/L	570	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 **Agua Moss Injection Facility**



Specific Gravity

Client:	Agua Moss	Project #:	07117-0006
Sample ID:	Injection Fluids	Date Reported:	09-13-12
Lab ID#:	63136	Date Sampled:	09-05-12
Sample Matrix:	Aqueous	Date Received:	09-05-12
Preservative:	Cool	Date Analyzed:	09-11-12
Condition:	Intact	Chain of Custody:	14394

Parameter	Analytical Result
-----------	-------------------

Specific Gravity

1.03

Reference: Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992

Comments: **Agua Moss Injection Facility**



12065 Lebanon Rd.
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(615) 758-5858
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Fax: (615) 758-5859

Tax: I.D. 62-0914289

Est. 1970

Lynn Berry
EnviroTech- NM
5796 US. Highway 64
Farmington, NM 87401

Report Summary

Thursday September 13, 2012

Report Number: L593703

Samples Received: 09/07/12

Client Project: 07117-0006

Description: Aqua Moss Injection Facility

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.

Entire Report Reviewed By:

Daphne Richards, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/BIO041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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REPORT OF ANALYSIS

September 13, 2012

Lynn Berry
EnviroTech- NM
5796 US. Highway 64
Farmington, NM 87401

Date Received : September 07, 2012
Description : Aqua Moss Injection Facility
Sample ID : INJECTION FLUIDS 63136
Collected By : C. Arriago
Collection Date : 09/05/12 10:00

ESC Sample # : L593703-01

Site ID :

Project # : 07117-0006

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Bromide	40.	1.0	mg/l	9056	09/12/12	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 09/13/12 09:55 Printed: 09/13/12 09:55

Summary of Remarks For Samples Printed
09/13/12 at 09:55:39

TSR Signing Reports: 288
R5 - Desired TAT

Auto QC on all reports Full TCLP also requires RCI Dry wt PO NUMBERS ON ALL PROJECTS Glycols-
sub outs \$225

Sample: L593703-01 Account: ENVIROFNM Received: 09/07/12 09:00 Due Date: 09/14/12 00:00 RPT Date: 09/13/12 09:55



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EnviroTech- NM
Lynn Berry
5796 US. Highway 64
Farmington, NM 87401

Quality Assurance Report
Level II

L593703

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1-800-767-5859
Fax: (615) 758-5859

Tax: I.D. 62-0814289

Est. 1970

September 13, 2012

Laboratory Blank		Units		% Rec		Limit		Batch		Date Analyzed	
Analyte	Result	Units		% Rec		Limit		Batch		Date Analyzed	
Bromide	< 1	mg/l						WG612090		09/12/12 07:58	
Duplicate		Units		% Rec		Limit		Ref Samp		Batch	
Analyte	Result	Units		% Rec		Limit		Ref Samp		Batch	
Bromide	0	mg/l		0		20		L594064-04		WG612090	
Bromide	0	mg/l		0		20		L594064-11		WG612090	
Laboratory Control Sample		Units		% Rec		Limit		Batch			
Analyte	Result	Units		% Rec		Limit		Batch			
Bromide	40	mg/l		39.8		99.5		90-110		WG612090	
Laboratory Control Sample Duplicate		Units		% Rec		Limit		Ref Samp		Batch	
Analyte	Result	Units		% Rec		Limit		Ref Samp		Batch	
Bromide	39.8	mg/l		39.8		100.		90-110		0	
Bromide	20	mg/l		20		20		20		WG612090	
Matrix Spike		Units		% Rec		Limit		Ref Samp		Batch	
Analyte	Result	Units		% Rec		Limit		Ref Samp		Batch	
Bromide	47.2	mg/l		0		50		94.4		80-120	
Bromide	0	mg/l		0		0		0		L594064-07	
Bromide	50	mg/l		50		50		50		WG612090	
Matrix Spike Duplicate		Units		% Rec		Limit		Ref Samp		Batch	
Analyte	Result	Units		% Rec		Limit		Ref Samp		Batch	
Bromide	48.0	mg/l		47.2		96.0		80-120		1.68	
Bromide	20	mg/l		20		20		20		L594064-07	
Bromide	WG612090	mg/l		WG612090		WG612090		WG612090		WG612090	

Batch number /Run number / Sample number cross reference

WG612090: R2342516: L593703-01

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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Lynn Berry
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Quality Assurance Report
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Tax I.D. 62-0614289

Est. 1970

September 13, 2012

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

14394

5795 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 • laboratory@envirotech-inc.com

[illegible]



January 24, 2013

Project Number: 07117-0006

Ms. Philana Thompson
Regulatory Compliance
Agua Moss
345 CR 350
Farmington, New Mexico 87401

Phone: (505)-324-5336

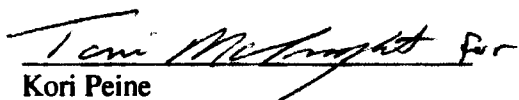
RE: FOURTH QUARTER INJECTED FLUIDS SAMPLING AND ANALYTICAL RESULTS, AGUA MOSS, SAN JUAN COUNTY, NEW MEXICO

Dear Ms. Thompson:

Please find enclosed the analytical results, field notes, and *Table 1, Summary of Analytical Results* for the injected fluids 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 analyses and procedures that were requested.

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

Respectfully Submitted,
ENVIROTECH, INC.


Kori Peine
Senior Environmental Field Technician
kpeine@envirotech-inc.com

Enclosure: Table 1, Summary of Analytical Results
Analytical Results
Field Notes

Cc: Client File Number: 07117

Table 1, Summary of Analytical Results
Fourth Quarter Injected Fluids Sampling
Agua Moss
San Juan County, New Mexico
Project No. 07117-0006
December 2012

Contaminant of Concern	Sample Location	
	Units	Injection Facility
pH*	(s.u.)	7.33
ORP*	mV	-70.6
Specific Conductance*	mS	53.78
Specific Gravity	ratio	1.02
Temperature*	°C	8.56
Conductivity @ 25 °C	umhos/cm	55000
Total Dissolved Solids @ 180 °C	mg/L	34000
SAR	ratio	170
Total Alkalinity as CaCO3	mg/L	1600
Total Hardness as CaCO3	mg/L	477
Bicarbonate as CaCO3	mg/L	1600
Carbonate as CaCO3	mg/L	<0.01
Hydroxide as CaCO3	mg/L	<0.01
Nitrate Nitrogen	mg/L	45.4
Nitrite Nitrogen	mg/L	<0.01
Chloride	mg/L	20200
Fluoride	mg/L	70.7
Phosphate	mg/L	<0.01
Sulfate	mg/L	297
Iron	mg/L	<0.01
Calcium	mg/L	8.92
Magnesium	mg/L	111
Potassium	mg/L	179
Sodium	mg/L	8560
Bromide	mg/L	39
* Field Measurement		



Report Summary

Client: Agua Moss

Chain of Custody Number: 15008

Samples Received: 12-12-12

Job Number: 07117-0006

Sample Number(s): 63940

Project Name/Location: Injection Fluids Landfarm Qtrly Sampling

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to be 'J. B.', written over a horizontal line.

Date:

1/2/13

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.

**CATION / ANION ANALYSIS**

Client:	Agua Moss	Project #:	07117-0006
Sample ID:	Injection Fluids	Date Reported:	12-20-12
Laboratory Number:	63940	Date Sampled:	12-12-12
Chain of Custody:	15008	Date Received:	12-12-12
Sample Matrix:	Aqueous	Date Analyzed:	12-13-12/12-14-12
Preservative:	Cool		
Condition:	Intact		

Parameter	Analytical Result	Units		
pH	7.34	s.u.		
Conductivity @ 25° C	55,000	umhos/cm		
Total Dissolved Solids @ 180C	34,000	mg/L		
SAR	170	ratio		
Total Alkalinity as CaCO3	1,600	mg/L		
Total Hardness as CaCO3	477	mg/L		
Bicarbonate as CaCO3	1,600	mg/L	26.2	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	45.4	mg/L	0.732	meq/L
Nitrite Nitrogen	< 0.01	mg/L	0.000	meq/L
Chloride	20,200	mg/L	570	meq/L
Fluoride	70.7	mg/L	3.722	meq/L
Phosphate	< 0.01	mg/L	0.000	meq/L
Sulfate	297	mg/L	6.18	meq/L
Iron	< 0.01	mg/L	0.000	meq/L
Calcium	8.92	mg/L	0	meq/L
Magnesium	111	mg/L	9	meq/L
Potassium	179	mg/L	4.6	meq/L
Sodium	8,560	mg/L	372	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 **Injection Fluids Landfarm Quarterly Sampling**



Specific Gravity

Client:	Agua Moss	Project #:	07117-0006
Sample ID:	Injection Fluids	Date Reported:	12-20-12
Lab ID#:	63940	Date Sampled:	12-12-12
Sample Matrix:	Aqueous	Date Received:	12-12-12
Preservative:	Cool	Date Analyzed:	12-19-12
Condition:	Intact	Chain of Custody:	15008

Parameter	Analytical Result
-----------	-------------------

Specific Gravity

1.02

Reference: Standard Methods For The Examination of Water And Waste Water", 18th ed., 1995

Comments: Injection Fluids Landfarm Qtrly Sampling



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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Lynn Berry
EnviroTech- NM
5796 US. Highway 64
Farmington, NM 87401

Report Summary

Friday December 21, 2012

Report Number: L611855

Samples Received: 12/18/12

Client Project: 07117-0006

Description: Landfarm Injection Fluids Qtrly Sampling

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.

Entire Report Reviewed By:

Daphne Richards , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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REPORT OF ANALYSIS

December 21, 2012

Lynn Berry
EnviroTech- NM
5796 US. Highway 64
Farmington, NM 87401

Date Received : December 18, 2012
Description : Landfarm Injection Fluids Qtrly Sampling
Sample ID : INJECTION FLUIDS-63940
Collected By : K. Peine
Collection Date : 12/12/12 16:15

ESC Sample # : L611855-01

Site ID :

Project # : 07117-0006

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Bromide	39.	1.0	mg/l	9056	12/20/12	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 12/21/12 11:44 Printed: 12/21/12 11:44

Summary of Remarks For Samples Printed
12/21/12 at 11:44:48

TSR Signing Reports: 288
R5 - Desired TAT

Auto QC on all reports Full TCLP also requires RCI Dry wt PO NUMBERS ON ALL PROJECTS Glycols-
sub outs \$225

Sample: L611855-01 Account: ENVIROFNM Received: 12/18/12 09:00 Due Date: 12/26/12 00:00 RPT Date: 12/21/12 11:44



YOUR LAB OF CHOICE

EnviroTech- NM
Lynn Berry
5796 US. Highway 64
Farmington, NM 87401

Quality Assurance Report
Level II

L611855

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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

December 21, 2012

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed		
		Units	% Rec					
Bromide	< 1	mg/l			WG629103	12/20/12 07:52		
Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch		
		Known Val	Result					
Bromide	mg/l	40	39.7	99.3	90-110	WG629103		
Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Bromide	mg/l	39.8	39.7	100.	90-110	0.252	20	WG629103

Batch number /Run number / Sample number cross reference

WG629103: R2488697: L611855-01

- * * Calculations are performed prior to rounding of reported values.
- * Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



YOUR LAB OF CHOICE

EnviroTech- NM
Lynn Berry
5796 US. Highway 64
Farmington, NM 87401

Quality Assurance Report
Level II

L611855

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Tax I.D. 62-0814289

Est. 1970

December 21, 2012

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

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Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

15008



Project No: 07117-0006

Location: Aqua Moss Land Farm

Location: Agua Fria, El Dorado
Project Manager: Toni McKnight Sampler: K. Peine

[illegible]

SECOND QUARTER LANDFARM SOIL SAMPLING AND ANALYSIS REPORT

SITE NAME:

**AGUA MOSS LANDFARM
CELL #1 AND CELL #2
SECTION 2, TOWNSHIP 29 NORTH, RANGE 12 WEST
SAN JUAN COUNTY, NEW MEXICO**

SUBMITTED TO:

**MS. PHILANA THOMPSON
AGUA MOSS
345 CR 350
FARMINGTON, NEW MEXICO 87401**

SUBMITTED BY:

**ENVIROTECH, INC
5796 HIGHWAY 64
FARMINGTON, NEW MEXICO 87401
(505) 632-0615**

JUNE 2012



July 18, 2012

Project Number: 07117-0004

Ms. Philana Thompson
Regulatory Compliance
Agua Moss
345 CR 350
Farmington, New Mexico 87401

Phone (505)-324-5336

**RE: SECOND QUARTER LANDFARM SAMPLING AND ANALYSIS REPORT, AGUA MOSS
LANDFARM, SAN JUAN COUNTY, NEW MEXICO**

Dear Ms. Thompson:

Please find enclosed the Second Quarter Landfarm Sampling and Analysis Report for the Auga Moss Landfarm located in Section 2, Township 29 North, Range 12 West, San Juan County, New Mexico.

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

Respectfully Submitted,
ENVIROTECH, INC.

A handwritten signature in black ink, appearing to read 'Chris Arrigo', written over a horizontal line.

Christopher Arrigo
Environmental Scientist
carrigo@envirotech-inc.com

Enclosure: Second Quarter Landfarm Sampling and Analysis Report

Cc: Client File Number: 07117

**SECOND QUARTER LANDFARM SOIL
SAMPLING AND ANALYSIS REPORT
AGUA MOSS LANDFARM
CELL #1 AND CELL #2
SECTION 2, TOWNSHIP 29 NORTH, RANGE 12 WEST
SAN JUAN COUNTY, NEW MEXICO**

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INTRODUCTION

Envirotech, Inc. of Farmington, New Mexico, was contracted by Agua Moss to provide sampling and analysis services for the Agua Moss Farmington-NM-01-0009 landfarm located in Section 2, Township 29 North, Range 12 West, San Juan County, New Mexico; see **Figure 1, Vicinity Map**. Activities included sample collection and analysis, documentation and reporting.

ACTIVITIES PERFORMED

Envirotech personnel performed soil sampling activities on June 14, 2012, at the Agua Moss landfarm. Envirotech personnel divided Cell #1 into four (4) separate sampling grids and Cell #2 into two (2) sections (North and South) with eight (8) separate sampling grids per section, for a total of (16) separate sampling grids. These sampling areas will be referred to as C1 - (1 to 4), C2N - (1 to 8), and C2S - (1 to 8); see **Figure 2, Sampling Grid Diagram**. Random samples were determined by "Out of Hat" drawing.

Using a hand shovel, one (1) composite sample each was collected from Cell #1, Cell #2 North, and Cell #2 South for treatment zone monitoring. The samples were designated as Cell 1-Comp., Cell 2N-Comp. and Cell 2S-Comp. Each composite sample was collected from four (4) discrete samples collected from zero (0) to six (6) inches below ground surface (BGS). In Cell #1 the discrete samples were collected from areas C1-1, C1-2, C1-2.2 and C1-4. In Cell #2 North the discrete samples were collected from areas C2N-4, C2N-6, C2N-7 and C2N-8. In Cell #2 South the discrete samples were collected from areas C2S-1, C2S-4, C2S-6 and C2S-8; see **Figure 2, Sampling Grid Diagram** and **Appendix B, Field Notes**. Soil samples were homogenized thoroughly, and collected into four (4)-ounce glass jars, capped headspace free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for total petroleum hydrocarbons (TPH) using USEPA Methods 418.1 and 8015, , and chlorides using USEPA Method 4500B.

Using a hand auger, four (4) random samples were collected from Cell #1 and designated as C1-1, C1-2, C1-2.2 and C1-4. Eight (8) random samples were collected from the North and South sections of Cell #2 and designated as C2N-4, C2N-6, C2N-7, C2N-8, C2S-1, C2S-4, C2S-6 and C2S-7 8; see **Figure 2, Sampling Grid Diagram** and **Appendix B, Field Notes**. Each soil sample was collected two (2) to three (3) feet below native ground surface in each of the sampling grids for vadose zone monitoring. All boreholes and sampling points were backfilled with impermeable bentonite material as stated in OCD Permit NM-01-0009. Soil samples were collected into four (4)-ounce glass jars, capped headspace free, and transported with ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for total petroleum hydrocarbons (TPH) using USEPA Methods 418.1 and 8015, benzene and total BTEX using USEPA Method 8021, and chlorides using USEPA Method 4500B.

SUMMARY AND CONCLUSIONS

Sampling and analysis services were performed for the Farmington-NM-01-0009 landfarm located in Section 2, Township 29 North, Range 12 West, San Juan County, New Mexico.

Treatment zone sampling results demonstrated significant levels of (TPH) (Method 418.1) above the closure standard of 2500 mg/kg (OCD Rule 53.G Specific Requirements Applicable to Landfarms, Treatment Zone Closure Performance Standards) in Cell 1 and Cell 2. Gasoline range organics (GRO) and diesel range organics (DRO) (Method 8015) were non-detect in the treatment zone samples, with the exception of Cell 2N with a TPH concentration of 3.8 mg/kg. Chloride concentrations were below closure standards for Cell 1 and Cell 2 with an average of 354 mg/kg; see *Table 1, Summary of Analytical Results* and *Appendix A, Analytical Results*.

Samples collected from the vadose zone returned results showing that volatile organic compounds were mostly non-detect, except samples collected in Cell 1, which demonstrated low concentrations of benzene and total BTEX. The chloride concentrations in the vadose zone for Cell 1 averaged 392 mg/kg which were above the Water Quality Control Commission (WQCC) groundwater standard of 250 mg/L. Chloride concentrations observed in Cell 2 averaged 199 mg/kg, slightly below the WQCC groundwater standard of 250 mg/L; see *Table 1, Summary of Analytical Results* and *Appendix A, Analytical Results*.

Envirotech, Inc. recommends continued monitoring, sampling and analysis for the Agua Moss Landfarm until the treatment zone concentrations are below the closure standards.

STATEMENT OF LIMITATIONS

Envirotech, Inc. has completed sampling and analysis services for Farmington-NM-01-0009 landfarm located in Section 2, Township 29 North, Range 12 West, San Juan County, New Mexico. The work and services provided by Envirotech, Inc. were in accordance with the New Mexico Oil Conservation Division standards. All observations and conclusions provided here are based on the information and current site conditions found at the site.

The undersigned has conducted this service at the above referenced site; this work has been conducted and reported in accordance with generally accepted professional practices in geology, engineering, environmental chemistry, and hydrogeology.

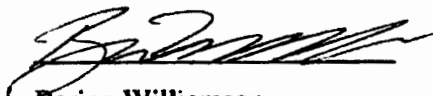
We appreciate the opportunity to be of service. If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully Submitted,
ENVIROTECH, INC.



Christopher Arrigo
Environmental Scientist
carrigo@envirotech-inc.com

Reviewed by:



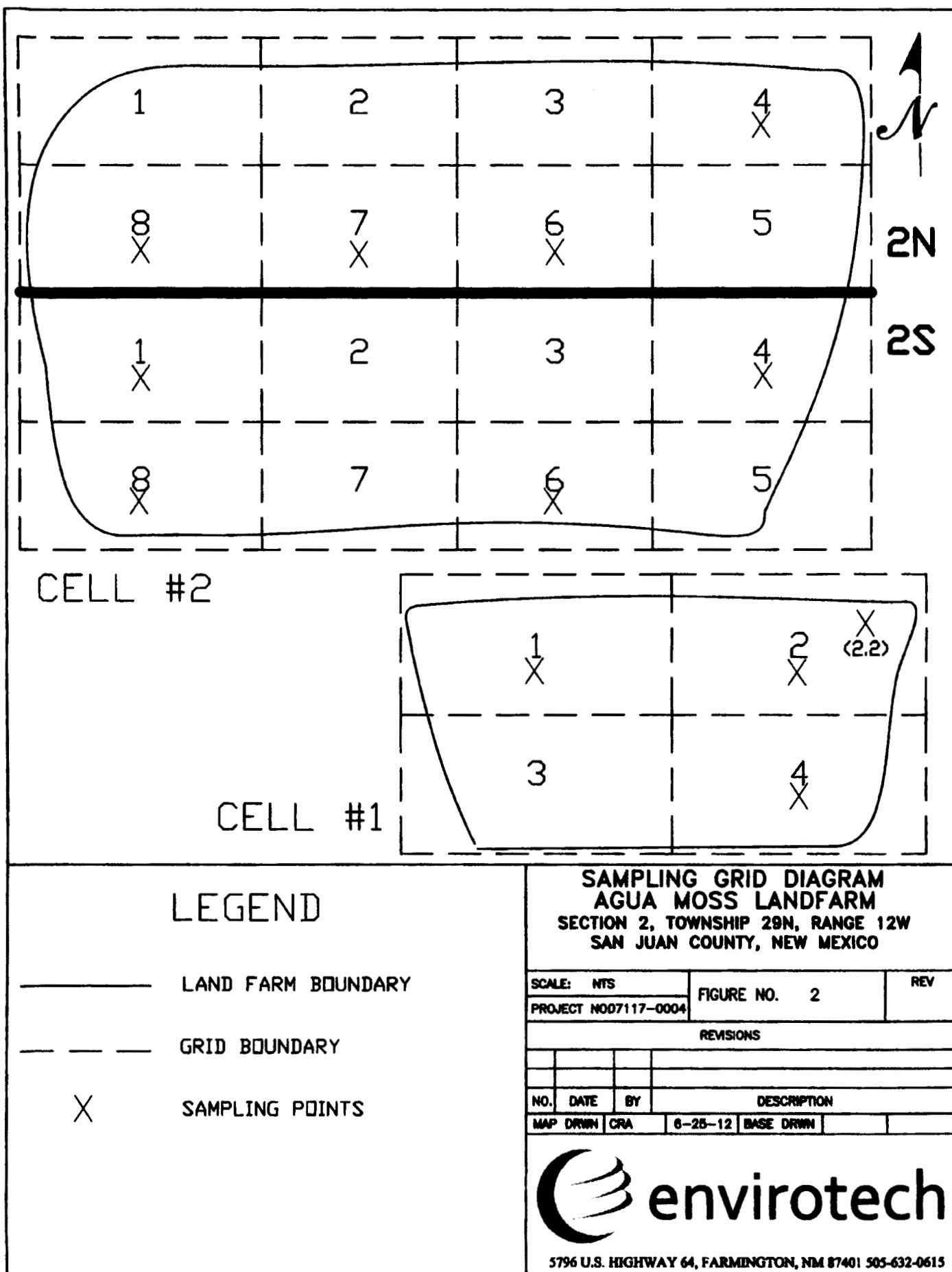
Barian Williamson
Environmental Project Manager
bwilliamson@envirotech-inc.com

FIGURES

Figure 1, Vicinity Map

Figure 2, Sampling Grid Diagram

PROJECT MANAGER:
Greg Crabtree



TABLES

Table 1, Summary of Analytical Results

Table 1, Summary of Analytical Results
Agua Moss
Second Quarter Landfarm Sampling Report
Permit NM-01-0009
Section 2, Township 29 North, Range 12 West
San Juan County, New Mexico
Project Number 07117-0004

Date	Sample Description	Grid Number	Latitude/Longitude	USEPA Method 418.1 TPH	USEPA Method 8015 TPH	Chlorides	USEPA Method 8021	
				(ppm)	(ppm)		(ppm)	BTEX
NA	NMOCD Standards	NA	NA	2500	1000	1000	0.2	50
6/14/2012	Cell 1	1	36.758338, -108.071774	37.0	ND	420	0.0115	0.176
6/14/2012	Cell 1	2	36.758380, -108.071411	42.9	ND	750	ND	0.0575
6/14/2012	Cell 1	2.2	36.758437, -108.071336	29.6	ND	80	ND	0.0343
6/14/2012	Cell 1	4	36.758109, -108.071396	39.9	ND	320	ND	0.0225
6/14/2012	Cell 1-Comp.	TZ		9020	ND	20	NS	NS
6/14/2012	Cell 2N	4	36.759223, -108.071394	118	ND	190	ND	0.0333
6/14/2012	Cell 2N	6	36.758984, -108.071874	47.3	ND	50	ND	ND
6/14/2012	Cell 2N	7	36.758958, -108.072367	23.7	ND	220	ND	ND
6/14/2012	Cell 2N	8	36.758915, -108.072807	20.7	ND	100	ND	ND
6/14/2012	Cell 2S	1	36.758734, -108.072752	10.3	ND	120	ND	ND
6/14/2012	Cell 2S	4	36.758854, -108.071379	19.2	ND	840	ND	ND
6/14/2012	Cell 2S	6	36.758658, -108.071826	47.3	ND	30	ND	ND
6/14/2012	Cell 2S	8	36.758565, -108.072731	11.8	ND	40	ND	ND
6/14/2012	Cell 2N-Comp.	TZ		9310	3.8	580	NS	NS
6/14/2012	Cell 2S-Comp.	TZ		6130	ND	460	NS	NS

*Values in **BOLD** above OCD Rule 53.G Specific Requirements
Applicable to Landfarms, Treatment Zone Closure Performance Standards

*ND - Parameter not detected
*TZ - Treatment Zone

APPENDIX A

Analytical Results



Report Summary

Client: Agua Moss

Chain of Custody Number: 14989

Samples Received: 06-14-12

Job Number: 07117-0004

Sample Number(s): 62376-62380

Project Name/Location: Cell 1

Entire Report Reviewed By: *Dene Zazone* Date: 06-21-12

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.



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 1-1	Date Reported:	06-19-12
Laboratory Number:	62376	Date Sampled:	06-14-12
Chain of Custody No:	14989	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-18-12
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: Cell 1



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 1-2	Date Reported:	06-19-12
Laboratory Number:	62377	Date Sampled:	06-14-12
Chain of Custody No:	14989	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-18-12
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: **Cell 1**



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 1-2-2	Date Reported:	06-19-12
Laboratory Number:	62378	Date Sampled:	06-14-12
Chain of Custody No:	14989	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-18-12
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: Cell 1



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 1-4	Date Reported:	06-19-12
Laboratory Number:	62379	Date Sampled:	06-14-12
Chain of Custody No:	14989	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-18-12
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: Cell 1



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 1-Comp	Date Reported:	06-19-12
Laboratory Number:	62380	Date Sampled:	06-14-12
Chain of Custody No:	14989	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-18-12
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: Cell 1



EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	0618TCAL QA/QC	Date Reported:	06-19-12
Laboratory Number:	62366	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-18-12
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	06-18-12	9.9960E+02	1.0000E+03	0.04%	0 - 15%
Diesel Range C10 - C28	06-18-12	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	ND	ND	0.0%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	291	117%	75 - 125%
Diesel Range C10 - C28	ND	250	248	99.1%	75 - 125%

ND - Parameter not detected at the stated detection limit.

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

Comments: QA/QC for Samples 62366-62380 and 62383



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 1-1	Date Reported:	06-21-12
Laboratory Number:	62376	Date Sampled:	06-14-12
Chain of Custody:	14989	Date Received:	06-14-12
Sample Matrix:	Soil	Date Analyzed:	06-20-12
Preservative:	Cool	Date Extracted:	06-15-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	11.5	10.0
Toluene	47.6	10.0
Ethylbenzene	14.8	10.0
p,m-Xylene	56.3	10.0
o-Xylene	45.7	10.0
Total BTEX	176	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	81.8 %
	1,4-difluorobenzene	95.4 %
	Bromochlorobenzene	96.5 %

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: Cell 1



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 1-2	Date Reported:	06-21-12
Laboratory Number:	62377	Date Sampled:	06-14-12
Chain of Custody:	14989	Date Received:	06-14-12
Sample Matrix:	Soil	Date Analyzed:	06-20-12
Preservative:	Cool	Date Extracted:	06-15-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	17.9	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	25.2	10.0
o-Xylene	14.4	10.0
Total BTEX	57.5	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	79.5 %
	1,4-difluorobenzene	91.0 %
	Bromochlorobenzene	89.8 %

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: Cell 1



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 1-2-2	Date Reported:	06-21-12
Laboratory Number:	62378	Date Sampled:	06-14-12
Chain of Custody:	14989	Date Received:	06-14-12
Sample Matrix:	Soil	Date Analyzed:	06-20-12
Preservative:	Cool	Date Extracted:	06-15-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	11.8	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	12.4	10.0
o-Xylene	10.1	10.0
Total BTEX	34.3	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	82.2 %
	1,4-difluorobenzene	93.2 %
	Bromochlorobenzene	89.6 %

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: Cell 1



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 1-4	Date Reported:	06-21-12
Laboratory Number:	62379	Date Sampled:	06-14-12
Chain of Custody:	14989	Date Received:	06-14-12
Sample Matrix:	Soil	Date Analyzed:	06-20-12
Preservative:	Cool	Date Extracted:	06-15-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	11.8	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	10.8	10.0
o-Xylene	ND	10.0
Total BTEX	22.5	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	79.9 %
	1,4-difluorobenzene	92.7 %
	Bromochlorobenzene	91.8 %

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: Cell 1



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	N/A	Project #:	N/A
Sample ID:	0620BCAL QA/QC	Date Reported:	06-21-12
Laboratory Number:	62376	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-20-12
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	7.0943E-06	7.0943E-06	0.000	ND	0.2
Toluene	6.9361E-06	6.9361E-06	0.000	ND	0.2
Ethylbenzene	7.7664E-06	7.7664E-06	0.000	ND	0.2
p,m-Xylene	5.7359E-06	5.7359E-06	0.000	ND	0.2
o-Xylene	8.2522E-06	8.2522E-06	0.000	ND	0.2

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	11.5	12.4	0.08	0 - 30%	10
Toluene	47.6	38.0	0.20	0 - 30%	10
Ethylbenzene	14.8	11.5	0.22	0 - 30%	10
p,m-Xylene	56.3	45.5	0.19	0 - 30%	10
o-Xylene	45.7	38.1	0.17	0 - 30%	10

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	11.5	2500	2630	105	39 - 150
Toluene	47.6	2500	2700	106	46 - 148
Ethylbenzene	14.8	2500	2630	105	32 - 160
p,m-Xylene	56.3	5000	5270	104	46 - 148
o-Xylene	45.7	2500	2660	104	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 Photolysis and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 62376-62379, 62389 and 62391



EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 1-1	Date Reported:	06-20-12
Laboratory Number:	62376	Date Sampled:	06-14-12
Chain of Custody No:	14989	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-15-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	37.0	7.4

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Cell 1



EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 1-2	Date Reported:	06-20-12
Laboratory Number:	62377	Date Sampled:	06-14-12
Chain of Custody No:	14989	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-15-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	42.9	7.4

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Cell 1



EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 1-2-2	Date Reported:	06-20-12
Laboratory Number:	62378	Date Sampled:	06-14-12
Chain of Custody No:	14989	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-15-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	29.6	7.4

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Cell 1



EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 1-4	Date Reported:	06-20-12
Laboratory Number:	62379	Date Sampled:	06-14-12
Chain of Custody No:	14989	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-15-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	39.9	7.4

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Cell 1



EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 1- Comp	Date Reported:	06-20-12
Laboratory Number:	62380	Date Sampled:	06-14-12
Chain of Custody No:	14989	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-15-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	9,020	73.9

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Cell 1



envirotech

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS
Analytical Laboratory QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	06-20-12
Laboratory Number:	06-15-12-TPH.QA/QC 62376	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	06-15-12
Preservative:	N/A	Date Extracted:	06-15-12
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	06-13-12	06-15-12	1,850	1,720	7.0%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	7.4

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	37.0	28.1	24.1%	+/- 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	37.0	2,000	1,920	94.3%	80 - 120%

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: QA/QC for Samples 62376-62380.



Chloride

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 1-1	Date Reported:	06-19-12
Lab ID#:	62376	Date Sampled:	06-14-12
Sample Matrix:	Soil	Date Received:	06-14-12
Preservative:	Cool	Date Analyzed:	06-19-12
Condition:	Intact	Chain of Custody:	14989

Parameter	Concentration (mg/Kg)
Total Chloride	420

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Cell 1



Chloride

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 1-2	Date Reported:	06-19-12
Lab ID#:	62377	Date Sampled:	06-14-12
Sample Matrix:	Soil	Date Received:	06-14-12
Preservative:	Cool	Date Analyzed:	06-19-12
Condition:	Intact	Chain of Custody:	14989

Parameter	Concentration (mg/Kg)
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Total Chloride

750

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Cell 1**



Chloride

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 1-2-2	Date Reported:	06-19-12
Lab ID#:	62378	Date Sampled:	06-14-12
Sample Matrix:	Soil	Date Received:	06-14-12
Preservative:	Cool	Date Analyzed:	06-19-12
Condition:	Intact	Chain of Custody:	14989

Parameter	Concentration (mg/Kg)
Total Chloride	80

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Cell 1



Chloride

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 1-Comp	Date Reported:	06-19-12
Lab ID#:	62380	Date Sampled:	06-14-12
Sample Matrix:	Soil	Date Received:	06-14-12
Preservative:	Cool	Date Analyzed:	06-19-12
Condition:	Intact	Chain of Custody:	14989

Parameter	Concentration (mg/Kg)
-----------	-----------------------

Total Chloride

20

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Cell 1**



Chloride

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 1-4	Date Reported:	06-19-12
Lab ID#:	62379	Date Sampled:	06-14-12
Sample Matrix:	Soil	Date Received:	06-14-12
Preservative:	Cool	Date Analyzed:	06-19-12
Condition:	Intact	Chain of Custody:	14989

Parameter	Concentration (mg/Kg)
-----------	-----------------------

Total Chloride

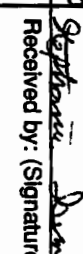
320

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Cell 1**

CHAIN OF CUSTODY RECORD

14989

Client: Ayva Moss		Project Name / Location: Cell 1		ANALYSIS / PARAMETERS															
Email results to: Curcio@envirotech-inc.com		Sampler Name: Chris Arroyo / May Peral																	
Client Phone No.: 0117-0004		Client No.: 0117-0004																	
Sample No. / Identification	Sample Date	Sample Time	Lab No.	No. / Volume of Containers	Preservative			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE	Sample Cool	Sample Intact
					H ₂ O ₂	HCl	DBP												
Cell 1-1	6/14/12	13:30	U023716	402 Jar				X	X									X	X
Cell 1-2	6/14/12	14:00	U02377	402 Jar				X	X									X	X
Cell 1-2-2	6/14/12	14:00	U02378	402 Jar				X	X									X	X
Cell 1-4	6/14/12	14:00	U02379	402 Jar				X	X									X	X
Cell 1-Comp	6/14/12	13:50	U02380	402 Jar				X	X									X	X
Relinquished by: (Signature) 		Date	Time	Received by: (Signature) 		Date	Time												
Relinquished by: (Signature)		6/14/12	2:46p																
Sample Matrix																			
Soil ☒ Solid ☐ Sludge ☐ Aqueous ☐ Other ☐																			
☐ Sample(s) dropped off after hours to secure drop off area.																			





Report Summary

Client: Agua Moss

Chain of Custody Number: 14988

Samples Received: 06-14-12

Job Number: 07117-0004

Sample Number(s): 62366-62375

Project Name/Location: Cell 2

Entire Report Reviewed By: Dene Zazun Date: 06-21-12

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.



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2N-4	Date Reported:	06-19-12
Laboratory Number:	62366	Date Sampled:	06-14-12
Chain of Custody No:	14988	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-18-12
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: **Cell 2**



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2N-6	Date Reported:	06-19-12
Laboratory Number:	62367	Date Sampled:	06-14-12
Chain of Custody No:	14988	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-18-12
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: Cell 2



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2N-7	Date Reported:	06-19-12
Laboratory Number:	62368	Date Sampled:	06-14-12
Chain of Custody No:	14988	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-18-12
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: Cell 2



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2N-8	Date Reported:	06-19-12
Laboratory Number:	62369	Date Sampled:	06-14-12
Chain of Custody No:	14988	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-18-12
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: Cell 2



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2S-1	Date Reported:	06-19-12
Laboratory Number:	62370	Date Sampled:	06-14-12
Chain of Custody No:	14988	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-18-12
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: Cell 2



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2S-4	Date Reported:	06-19-12
Laboratory Number:	62371	Date Sampled:	06-14-12
Chain of Custody No:	14988	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-18-12
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: Cell 2



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2S-6	Date Reported:	06-19-12
Laboratory Number:	62372	Date Sampled:	06-14-12
Chain of Custody No:	14988	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-18-12
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: **Cell 2**



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2S-8	Date Reported:	06-19-12
Laboratory Number:	62373	Date Sampled:	06-14-12
Chain of Custody No:	14988	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-18-12
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: Cell 2



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2N-Comp	Date Reported:	06-19-12
Laboratory Number:	62374	Date Sampled:	06-14-12
Chain of Custody No:	14988	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-18-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	3.8	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	3.8	

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: Cell 2



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2S-Comp	Date Reported:	06-19-12
Laboratory Number:	62375	Date Sampled:	06-14-12
Chain of Custody No:	14988	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-18-12
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: Cell 2



EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	0618TCAL QA/QC	Date Reported:	06-19-12
Laboratory Number:	62366	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-18-12
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	06-18-12	9.9960E+02	1.0000E+03	0.04%	0 - 15%
Diesel Range C10 - C28	06-18-12	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	ND	ND	0.0%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	291	117%	75 - 125%
Diesel Range C10 - C28	ND	250	248	99.1%	75 - 125%

ND - Parameter not detected at the stated detection limit.

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

Comments: QA/QC for Samples 62366-62380 and 62383



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2N-4	Date Reported:	06-19-12
Laboratory Number:	62366	Date Sampled:	06-14-12
Chain of Custody:	14988	Date Received:	06-14-12
Sample Matrix:	Soil	Date Analyzed:	06-18-12
Preservative:	Cool	Date Extracted:	06-15-12
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	33.3	10.0
Total BTEX	33.3	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	80.2 %
	1,4-difluorobenzene	94.0 %
	Bromochlorobenzene	89.7 %

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: Cell 2



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2N-6	Date Reported:	06-19-12
Laboratory Number:	62367	Date Sampled:	06-14-12
Chain of Custody:	14988	Date Received:	06-14-12
Sample Matrix:	Soil	Date Analyzed:	06-18-12
Preservative:	Cool	Date Extracted:	06-15-12
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	83.5 %
	1,4-difluorobenzene	96.6 %
	Bromochlorobenzene	90.4 %

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: Cell 2



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2N-7	Date Reported:	06-19-12
Laboratory Number:	62368	Date Sampled:	06-14-12
Chain of Custody:	14988	Date Received:	06-14-12
Sample Matrix:	Soil	Date Analyzed:	06-18-12
Preservative:	Cool	Date Extracted:	06-15-12
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	86.6 %
	1,4-difluorobenzene	91.6 %
	Bromochlorobenzene	83.9 %

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: Cell 2



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2N-8	Date Reported:	06-19-12
Laboratory Number:	62369	Date Sampled:	06-14-12
Chain of Custody:	14988	Date Received:	06-14-12
Sample Matrix:	Soil	Date Analyzed:	06-18-12
Preservative:	Cool	Date Extracted:	06-15-12
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	81.5 %
	1,4-difluorobenzene	94.4 %
	Bromochlorobenzene	87.0 %

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: Cell 2



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2S-1	Date Reported:	06-19-12
Laboratory Number:	62370	Date Sampled:	06-14-12
Chain of Custody:	14988	Date Received:	06-14-12
Sample Matrix:	Soil	Date Analyzed:	06-18-12
Preservative:	Cool	Date Extracted:	06-15-12
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	76.6 %
	1,4-difluorobenzene	88.8 %
	Bromochlorobenzene	86.4 %

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: Cell 2



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2S-4	Date Reported:	06-19-12
Laboratory Number:	62371	Date Sampled:	06-14-12
Chain of Custody:	14988	Date Received:	06-14-12
Sample Matrix:	Soil	Date Analyzed:	06-18-12
Preservative:	Cool	Date Extracted:	06-15-12
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	80.6 %
	1,4-difluorobenzene	89.9 %
	Bromochlorobenzene	90.9 %

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: Cell 2



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2S-6	Date Reported:	06-19-12
Laboratory Number:	62372	Date Sampled:	06-14-12
Chain of Custody:	14988	Date Received:	06-14-12
Sample Matrix:	Soil	Date Analyzed:	06-18-12
Preservative:	Cool	Date Extracted:	06-15-12
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	83.9 %
	1,4-difluorobenzene	97.4 %
	Bromochlorobenzene	113 %

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: Cell 2



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2S-8	Date Reported:	06-19-12
Laboratory Number:	62373	Date Sampled:	06-14-12
Chain of Custody:	14988	Date Received:	06-14-12
Sample Matrix:	Soil	Date Analyzed:	06-18-12
Preservative:	Cool	Date Extracted:	06-15-12
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	80.6 %
	1,4-difluorobenzene	93.9 %
	Bromochlorobenzene	106 %

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: Cell 2



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	N/A	Project #:	N/A
Sample ID:	0818BCAL QA/QC	Date Reported:	06-19-12
Laboratory Number:	62366	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-18-12
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	7.5264E-06	7.5264E-06	0.000	ND	0.2
Toluene	7.4113E-06	7.4113E-06	0.000	ND	0.2
Ethylbenzene	8.3016E-06	8.3016E-06	0.000	ND	0.2
p,m-Xylene	6.0330E-06	6.0330E-06	0.000	ND	0.2
o-Xylene	8.7807E-06	8.7807E-06	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	ND	ND	0.00	0 - 30%	10
Ethylbenzene	ND	ND	0.00	0 - 30%	10
p,m-Xylene	ND	ND	0.00	0 - 30%	10
o-Xylene	33.3	22.6	0.32	0 - 30%	10

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	2500	2760	110	39 - 150
Toluene	ND	2500	2840	114	46 - 148
Ethylbenzene	ND	2500	2760	110	32 - 160
p,m-Xylene	ND	5000	5360	107	46 - 148
o-Xylene	33.3	2500	2730	108	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 Photolysis and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 62366-62373 and 62383



EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2N-4	Date Reported:	06-20-12
Laboratory Number:	62366	Date Sampled:	06-14-12
Chain of Custody No:	14988	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-15-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	118	7.4

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Cell 2

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2N-6	Date Reported:	06-20-12
Laboratory Number:	62367	Date Sampled:	06-14-12
Chain of Custody No:	14988	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-15-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	47.3	7.4

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Cell 2**



EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2N-7	Date Reported:	06-20-12
Laboratory Number:	62368	Date Sampled:	06-14-12
Chain of Custody No:	14988	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-15-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	23.7	7.4

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Cell 2



EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2N-8	Date Reported:	06-20-12
Laboratory Number:	62369	Date Sampled:	06-14-12
Chain of Custody No:	14988	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-15-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	20.7	7.4

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Cell 2



EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2S-1	Date Reported:	06-20-12
Laboratory Number:	62370	Date Sampled:	06-14-12
Chain of Custody No:	14988	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-15-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	10.3	7.4

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Cell 2



envirotech

Analytical Laboratory

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2S-4	Date Reported:	06-20-12
Laboratory Number:	62371	Date Sampled:	06-14-12
Chain of Custody No:	14988	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-15-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	19.2	7.4

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Cell 2



EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2S-6	Date Reported:	06-20-12
Laboratory Number:	62372	Date Sampled:	06-14-12
Chain of Custody No:	14988	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-15-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	47.3	7.4

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Cell 2



EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2S-8	Date Reported:	06-20-12
Laboratory Number:	62373	Date Sampled:	06-14-12
Chain of Custody No:	14988	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-15-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	11.8	7.4

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Cell 2



EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2N- Comp	Date Reported:	06-20-12
Laboratory Number:	62374	Date Sampled:	06-14-12
Chain of Custody No:	14988	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-15-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	9,310	73.9

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Cell 2



EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2S- Comp	Date Reported:	06-20-12
Laboratory Number:	62375	Date Sampled:	06-14-12
Chain of Custody No:	14988	Date Received:	06-14-12
Sample Matrix:	Soil	Date Extracted:	06-15-12
Preservative:	Cool	Date Analyzed:	06-15-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	6,130	7.4

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Cell 2



EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	06-20-12
Laboratory Number:	06-15-12-TPH.QA/QC 62366	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	06-15-12
Preservative:	N/A	Date Extracted:	06-15-12
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	06-13-12	06-15-12	1,850	1,720	7.0%	+/- 10%

Blank Conc. (mg/Kg)
TPH

Concentration
ND

Detection Limit
7.4

Duplicate Conc. (mg/Kg)
TPH

Sample	Duplicate	% Difference	Accept. Range
118	88.7	25.0%	+/- 30%

Spike Conc. (mg/Kg)
TPH

Sample	Spike Added	Spike Result	% Recovery	Accept Range
118	2,000	2,000	94.4%	80 - 120%

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: QA/QC for Samples 62366-62375.



Chloride

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2N-4	Date Reported:	06-19-12
Lab ID#:	62366	Date Sampled:	06-14-12
Sample Matrix:	Soil	Date Received:	06-14-12
Preservative:	Cool	Date Analyzed:	06-19-12
Condition:	Intact	Chain of Custody:	14988

Parameter	Concentration (mg/Kg)
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Total Chloride

190

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Cell 2**



Chloride

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2N-6	Date Reported:	06-19-12
Lab ID#:	62367	Date Sampled:	06-14-12
Sample Matrix:	Soil	Date Received:	06-14-12
Preservative:	Cool	Date Analyzed:	06-19-12
Condition:	Intact	Chain of Custody:	14988

Parameter	Concentration (mg/Kg)
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Total Chloride

50

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Cell 2**



Chloride

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2N-7	Date Reported:	06-19-12
Lab ID#:	62368	Date Sampled:	06-14-12
Sample Matrix:	Soil	Date Received:	06-14-12
Preservative:	Cool	Date Analyzed:	06-19-12
Condition:	Intact	Chain of Custody:	14988

Parameter	Concentration (mg/Kg)
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Total Chloride

220

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Cell 2**



Chloride

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2N-8	Date Reported:	06-19-12
Lab ID#:	62369	Date Sampled:	06-14-12
Sample Matrix:	Soil	Date Received:	06-14-12
Preservative:	Cool	Date Analyzed:	06-19-12
Condition:	Intact	Chain of Custody:	14988

Parameter	Concentration (mg/Kg)
-----------	-----------------------

Total Chloride

100

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Cell 2**



Chloride

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2S-1	Date Reported:	06-19-12
Lab ID#:	62370	Date Sampled:	06-14-12
Sample Matrix:	Soil	Date Received:	06-14-12
Preservative:	Cool	Date Analyzed:	06-19-12
Condition:	Intact	Chain of Custody:	14988

Parameter	Concentration (mg/Kg)
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Total Chloride

120

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Cell 2**



Chloride

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2S-4	Date Reported:	06-19-12
Lab ID#:	62371	Date Sampled:	06-14-12
Sample Matrix:	Soil	Date Received:	06-14-12
Preservative:	Cool	Date Analyzed:	06-19-12
Condition:	Intact	Chain of Custody:	14988

Parameter	Concentration (mg/Kg)
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Total Chloride

840

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Cell 2**



Chloride

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2S-6	Date Reported:	06-19-12
Lab ID#:	62372	Date Sampled:	06-14-12
Sample Matrix:	Soil	Date Received:	06-14-12
Preservative:	Cool	Date Analyzed:	06-19-12
Condition:	Intact	Chain of Custody:	14988

Parameter	Concentration (mg/Kg)
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Total Chloride

30

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Cell 2**



Chloride

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2S-8	Date Reported:	06-19-12
Lab ID#:	62373	Date Sampled:	06-14-12
Sample Matrix:	Soil	Date Received:	06-14-12
Preservative:	Cool	Date Analyzed:	06-19-12
Condition:	Intact	Chain of Custody:	14988

Parameter	Concentration (mg/Kg)
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Total Chloride

40

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Cell 2**



Chloride

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2N-Comp	Date Reported:	06-19-12
Lab ID#:	62374	Date Sampled:	06-14-12
Sample Matrix:	Soil	Date Received:	06-14-12
Preservative:	Cool	Date Analyzed:	06-19-12
Condition:	Intact	Chain of Custody:	14988

Parameter	Concentration (mg/Kg)
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Total Chloride

580

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Cell 2**



Chloride

Client:	Agua Moss	Project #:	07117-0004
Sample ID:	Cell 2S-Comp	Date Reported:	06-19-12
Lab ID#:	62375	Date Sampled:	06-14-12
Sample Matrix:	Soil	Date Received:	06-14-12
Preservative:	Cool	Date Analyzed:	06-19-12
Condition:	Intact	Chain of Custody:	14988

Parameter	Concentration (mg/Kg)
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Total Chloride

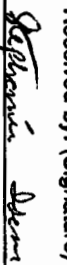
460

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Cell 2**

CHAIN OF CUSTODY RECORD

14988

Client: Ayda Moss			Project Name / Location: Cell 2			ANALYSIS / PARAMETERS															
Email results to: Carriago@envirotech-inc.com			Sampler Name: Chris Arrigo / Kory Penr																		
Client Phone No.: _____			Client No.: 07117-0004																		
Sample No. / Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
					HgCl ₂	HCl	C601														
Cell 2N-4	6/14/12	11:30a	003306	402 jar				X	X							X	X			X	X
Cell 2N-6	6/14/12	11:55a	003307	402 jar				X	X							X	X			X	X
Cell 2N-7	6/14/12	12:00p	003308	402 jar				X	X							X	X			X	X
Cell 2N-8	6/14/12	12:15p	003309	402 jar				X	X							X	X			X	X
Cell 2S-1	6/14/12	10:30a	003370	402 jar				X	X							X	X			X	X
Cell 2S-4	6/14/12	11:00a	003371	402 jar				X	X							X	X			X	X
Cell 2S-6	6/14/12	11:15a	003372	402 jar				X	X							X	X			X	X
Cell 2S-8	6/14/12	13:00	003373	402 jar				X	X							X	X			X	X
Cell 2N-Comp	6/14/12	12:45p	003374	402 jar				X	X							X	X			X	X
Cell 2S-Comp	6/14/12	12:40p	003375	402 jar				X	X							X	X			X	X
Relinquished by: (Signature) 			Date: 6/14/12 Time: 2:46p			Received by: (Signature) 			Date: 6/14/12 Time: 2:46p												
Relinquished by: (Signature) _____						Received by: (Signature) _____															

Sample Matrix
 Soil ☒ Solid ☐ Sludge ☐ Aqueous ☐ Other ☐

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



APPENDIX B

Field Notes

PIT No:
COC # 14988

FIELD REPORT: REMEDIATION FACILITY
CLOSURE VERIFICATION

JOB No: 07117-2004
PAGE No: of

FACILITY LOCATION: Agua Mesa Landfarm 2
SOURCE LOCATION: South Composite Surface
SOURCE LOCATION: Cell 25-1, Cell 25-4, Cell 25-6, Cell 25-8
SOURCE LOCATION: Cell 25-1, Cell 25-4, Cell 25-6, Cell 25-8
FACILITY CLASSIFICATION: _____ PIT TYPE: _____

DATE STARTED: 6-14-12
DATE FINISHED: _____

ENVIRONMENTAL
SPECIALIST: K. Peirce

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

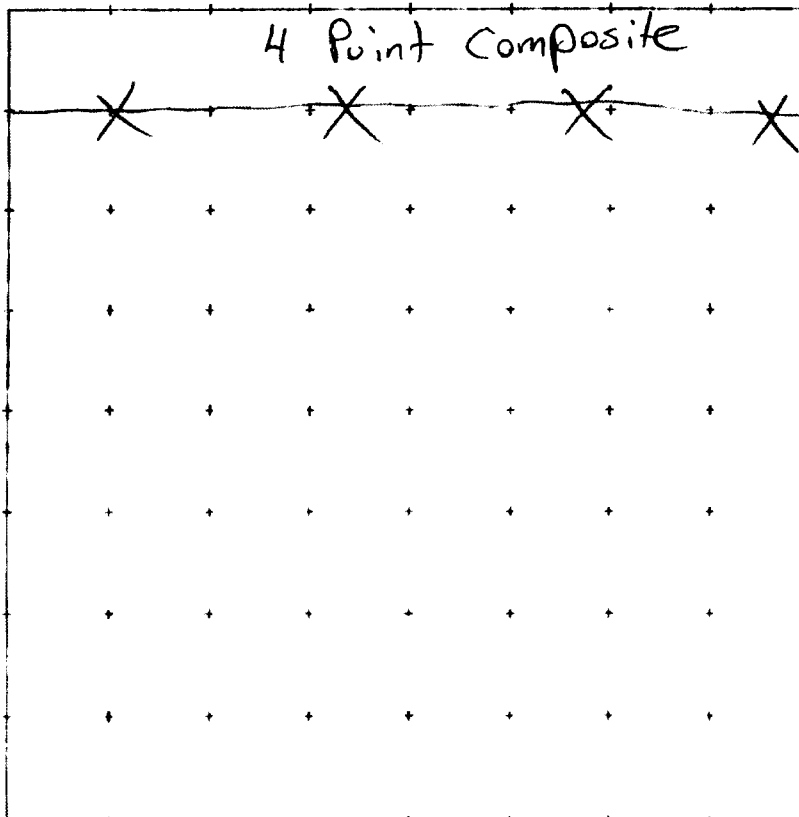
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

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

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

FACILITY DIAGRAM

GRID SCALE



OVM RESULTS

[illegible]

LAB RESULTS

[illegible]

NORTH

WELL HEAD

SURFACE
FLOW DIR

ESTIMATED
GROUNDWATER
FLOW DIR.

PIT No:
C.O.C #: 14989

JOB No: 07117-0004
PAGE No: _____ of _____

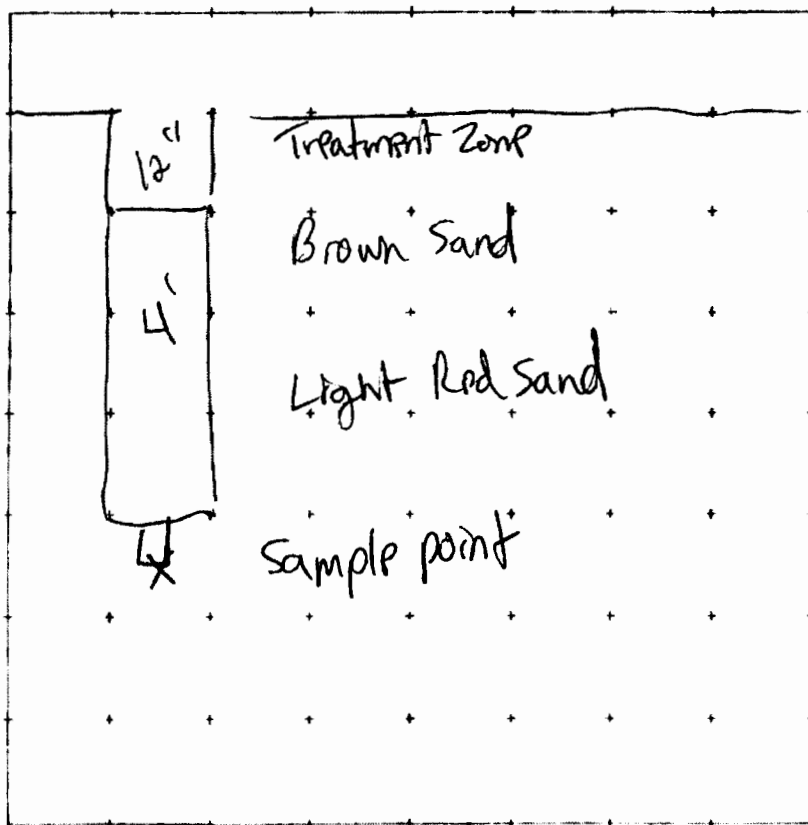
DATE STARTED: 06-14-12
DATE FINISHED: _____
ENVIRONMENTAL SPECIALIST: K. Peine
C. Arrigo

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

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

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

GRID SCALE:

[illegible][illegible]

NORTH

WELLHEAD

SURFACE
FLOW DIR

ESTIMATED
GROUNDWATER
FLOW DIR

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PIT No: _____
C.O.C # 14989

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No: 07117-0004
PAGE No: _____ of _____

FACILITY LOCATION: Agua Mesa Landfarm 1
SOURCE LOCATION: _____
SOURCE LOCATION: Cell 1 - 2
SOURCE LOCATION: Lat. Long: 36.758380, -108.071411
FACILITY CLASSIFICATION: _____ PIT TYPE: _____

DATE STARTED: 6-14-12
DATE FINISHED: _____

ENVIRONMENTAL SPECIALIST: K. Peirre
C. Arisgo

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

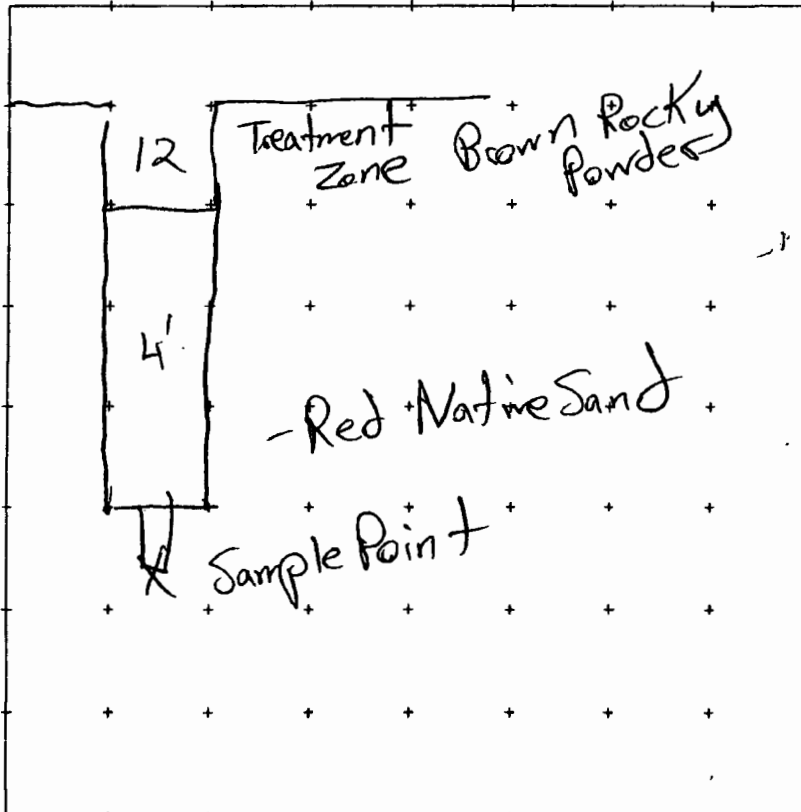
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

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

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

FACILITY DIAGRAM

GRID SCALE:



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE FID (ppm)

LAB RESULTS

SAMPLE ID	ANALYSIS REQUESTED	RESULTS PPM

NORTH

WELLHEAD

SURFACE FLOW DIR

ESTIMATED GROUNDWATER FLOW DIR.

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PIT No: _____
C.O.C #: 14989

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No: 07117-0004
PAGE No: _____ of _____

FACILITY LOCATION: Landfill Area Moss 1
SOURCE LOCATION: _____
SOURCE LOCATION: Cell 1-2-2
SOURCE LOCATION: 36.758437, -107.071336 Lat/Long.
FACILITY CLASSIFICATION: _____ PIT TYPE: _____

DATE STARTED: 8-14-12
DATE FINISHED: _____

ENVIRONMENTAL SPECIALIST: K. Peire
C. Aciego

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

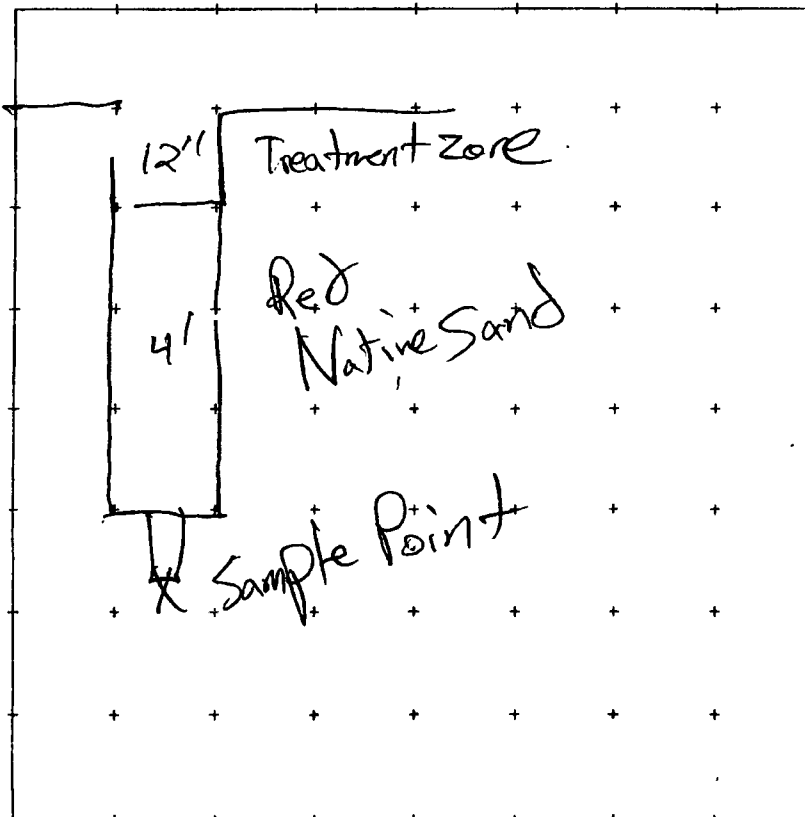
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

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

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

FACILITY DIAGRAM

GRID SCALE



OVM RESULTS

SAMPLE ID:	FIELD HEADSPACE FID (ppm)

LAB RESULTS

SAMPLE ID	ANALYSIS REQUESTED	RESULTS PPM:
12-2	905	
12-2	8021	
12-2	418	
12-2	300	

NORTH

WELLHEAD

SURFACE
FLOW DIR.

ESTIMATED
GROUNDWATER
FLOW DIR.

ENVIROTECH Inc.

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PIT No: _____
C.O.C #: 14989

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No: 07117-0004
PAGE No: _____ of _____

FACILITY LOCATION: Agua Moss Land Farm
SOURCE LOCATION: _____
SOURCE LOCATION: Cell 1-4
SOURCE LOCATION: Lat. Long: 36.758109, -108.071396
FACILITY CLASSIFICATION: _____ PIT TYPE: _____

DATE STARTED: 6-14-12
DATE FINISHED: _____

ENVIRONMENTAL SPECIALIST: C. Arigo K. Peire

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

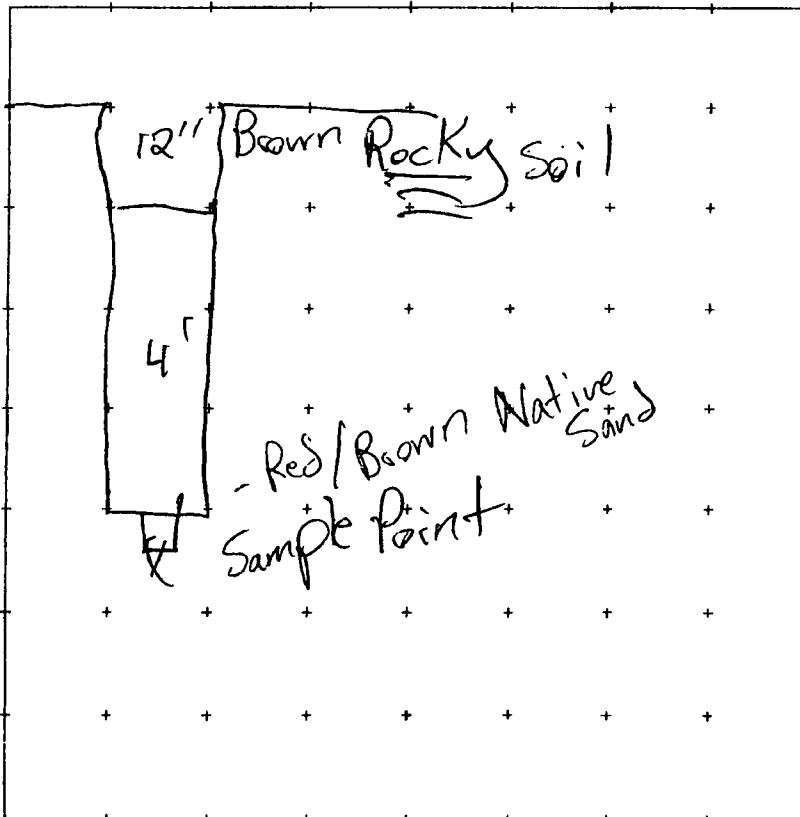
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

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

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

FACILITY DIAGRAM

GRID SCALE:



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE FID (ppm)

LAB RESULTS

SAMPLE ID	ANALYSIS REQUESTED	RESULTS PPM
1-4	805	
1-4	802	
1-4	418	
1-4	300	

NORTH

WELLHEAD

SURFACE
FLOW DIR

ESTIMATED
GROUNDWATER
FLOW DIR.

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PIT No: _____
C.O.C #: 14989

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No: 07117-0004
PAGE No: _____ of _____

FACILITY LOCATION: Agua Mesa Landfarm Cell #1
SOURCE LOCATION: Surface Composite
SOURCE LOCATION: Cell 1-1, Cell 1-2, Cell 1-2.2, Cell 1-4
SOURCE LOCATION: _____
FACILITY CLASSIFICATION: _____ PIT TYPE: _____

DATE STARTED: 6-14-12
DATE FINISHED: _____
ENVIRONMENTAL SPECIALIST: C. Arroyo
K. Penke

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

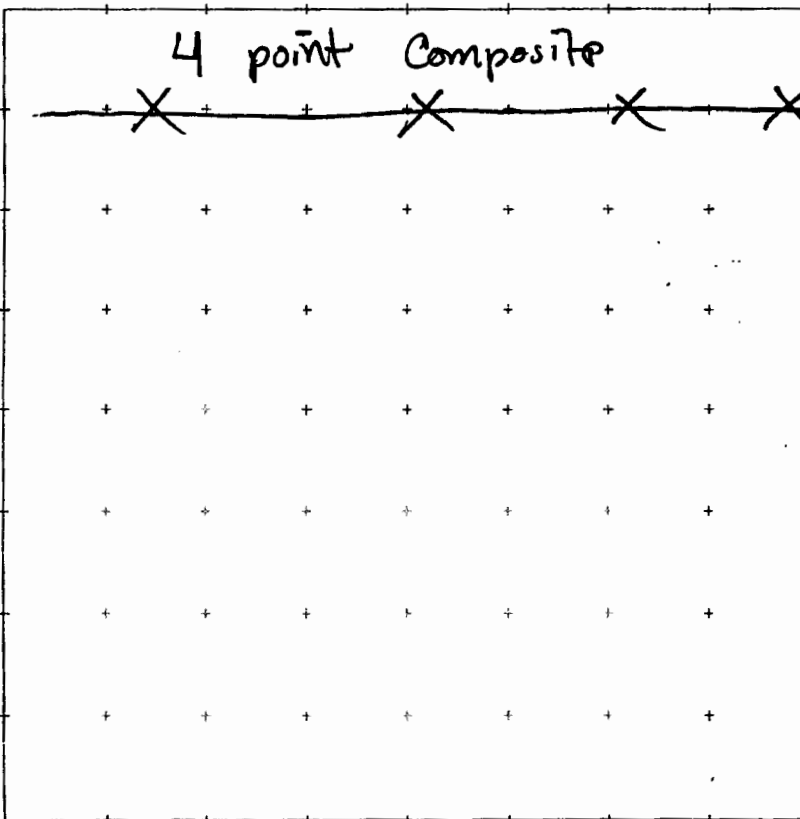
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

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

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

FACILITY DIAGRAM

GRID SCALE:



OVM RESULTS

SAMPLE ID:	FIELD HEADSPACE FID (ppm)

LAB RESULTS

SAMPLE ID:	ANALYSIS REQUESTED:	RESULTS PPM:
Cell 1	8015	
Cell 1	418	
Cell 1	300.1	

NORTH

WELLHEAD

SURFACE
FLOW DIR.

ESTIMATED
GROUNDWATER
FLOW DIR.

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PIT No: _____
COC # 14988

JOB No: 07117-0004
PAGE No: _____ of _____

FACILITY LOCATION: Aguia Moss Landfill Cell 2
SOURCE LOCATION:
SOURCE LOCATION: North # 4
SOURCE LOCATION: Lat/Long: 36.759223, -108.071294
FACILITY CLASSIFICATION: PIT TYPE:

DATE STARTED: 6-14-12
DATE FINISHED: _____
ENVIRONMENTAL SPECIALIST: C. Arrigo
K. Reiter

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

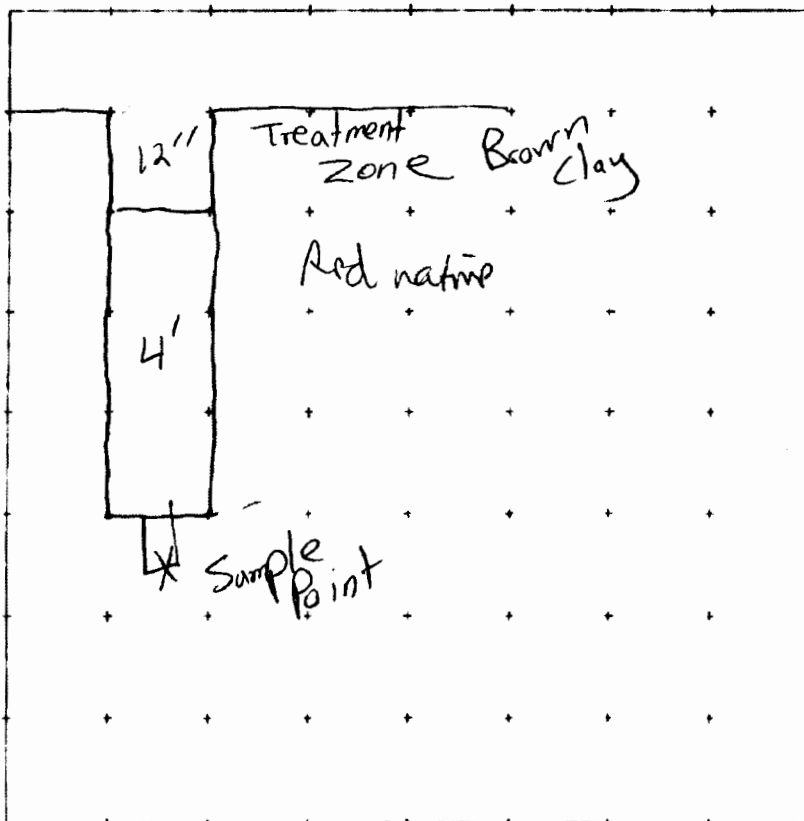
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

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

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

FACILITY DIAGRAM

GRID SCALE:



OVM RESULTS

[illegible]

LAB RESULTS

[illegible]

NORTH

WELLHEAD

SURFACE
FLOW DIR

ESTIMATED
GROUNDWATER
FLOW DIR.

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PIT No: _____
C.O.C # 14989

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No: 0717-0004
PAGE No: _____ of _____

FACILITY LOCATION: Agra Moss Landfarm Cell 2
SOURCE LOCATION: North #0
SOURCE LOCATION: Lat/Long: 36.75884, -108.071874
FACILITY CLASSIFICATION: _____ PIT TYPE: _____

DATE STARTED: 6-14-12
DATE FINISHED: _____
ENVIRONMENTAL SPECIALIST: K. Pomeroy
C. Arroyo

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

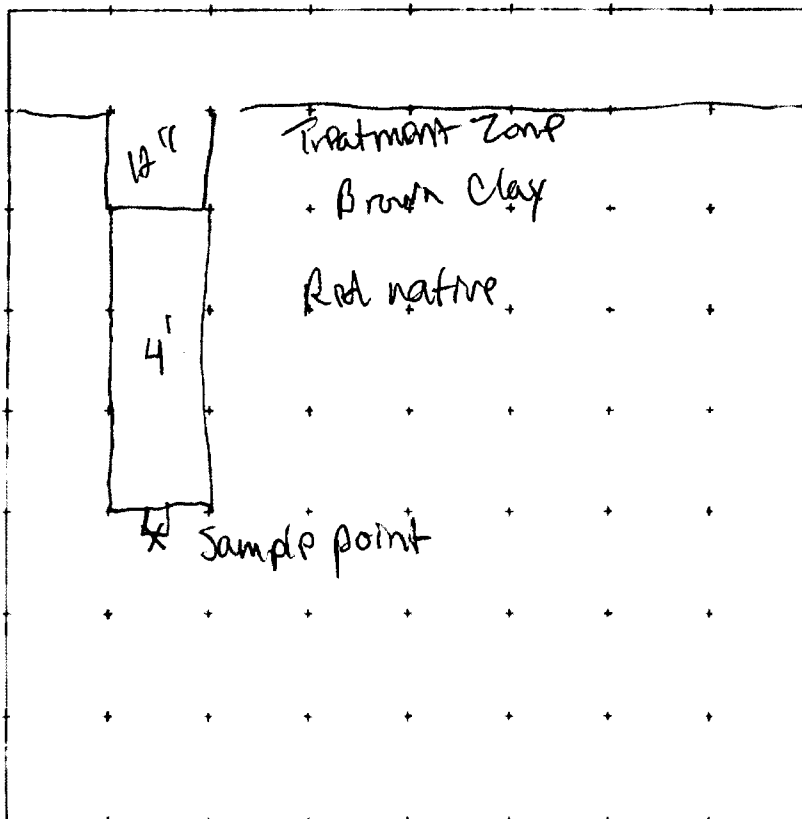
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

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

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

FACILITY DIAGRAM

GRID SCALE



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE FID (ppm)

LAB RESULTS

SAMPLE ID	ANALYSIS REQUESTED	RESULTS PPM
CAN68015		
CAN68021		
CAN68021		
CAN68001	CHC	

NORTH

WELLHEAD

SURFACE
FLOW DIR

ESTIMATED
GROUNDWATER
FLOW DIR

ENVIROTECH Inc.

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PIT No: 14988
C.O.C. # 14988

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No: 07117-0004
PAGE No: of

FACILITY LOCATION: Agua Mesa Landfarm 2
SOURCE LOCATION: North # 7
SOURCE LOCATION: Lat long: 36.759999, -108.079367
FACILITY CLASSIFICATION: PIT TYPE:

DATE STARTED: 6-14-12
DATE FINISHED:
ENVIRONMENTAL SPECIALIST: K. Peir
C. Arcego

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

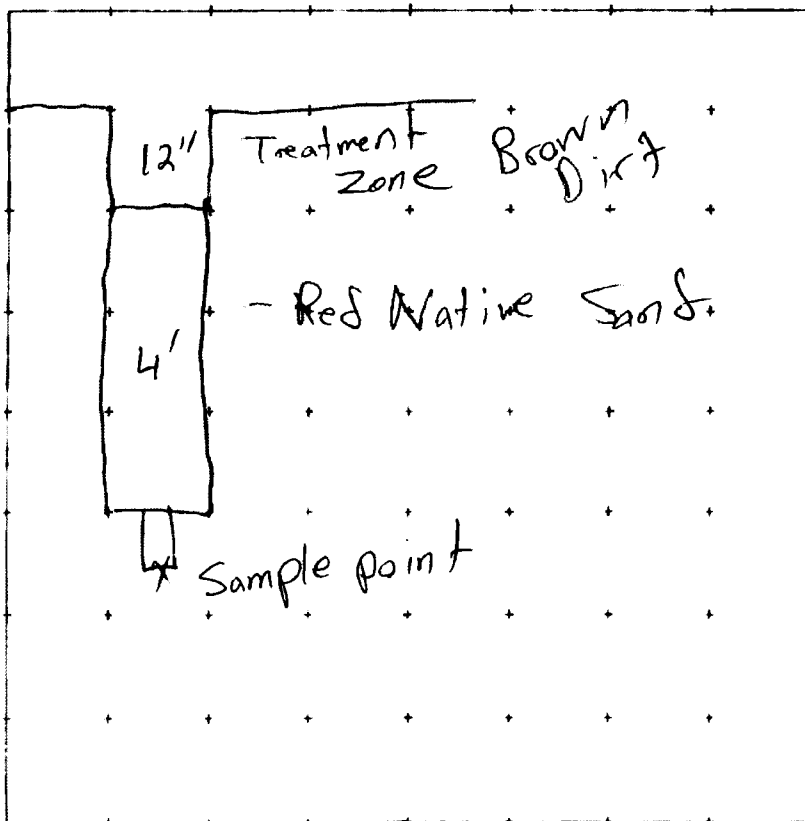
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX YARDS FROM WELLHEAD.

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

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

FACILITY DIAGRAM

GRID SCALE:



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)

LAB RESULTS

SAMPLE ID	ANALYSIS REQUESTED	RESULTS PPM
Q2N78015		
Q2N78021		
Q2N7418		
Q2N7800		

NORTH

WELLHEAD

SURFACE FLOW DIR

ESTIMATED GROUNDWATER FLOW DIR

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PIT No: _____
COC # 14989

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No: 07117-0004
PAGE No: _____ of _____

FACILITY LOCATION: Agua Mansa Landfarm 2
SOURCE LOCATION: _____
SOURCE LOCATION: North # 2
SOURCE LOCATION: Lat/Long: 36° 15' 39" N, -106° 07' 40" W
FACILITY CLASSIFICATION: _____ PIT TYPE: _____

DATE STARTED: 6-14-12
DATE FINISHED: _____

ENVIRONMENTAL SPECIALIST: K. Reine
C. Arriaga

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

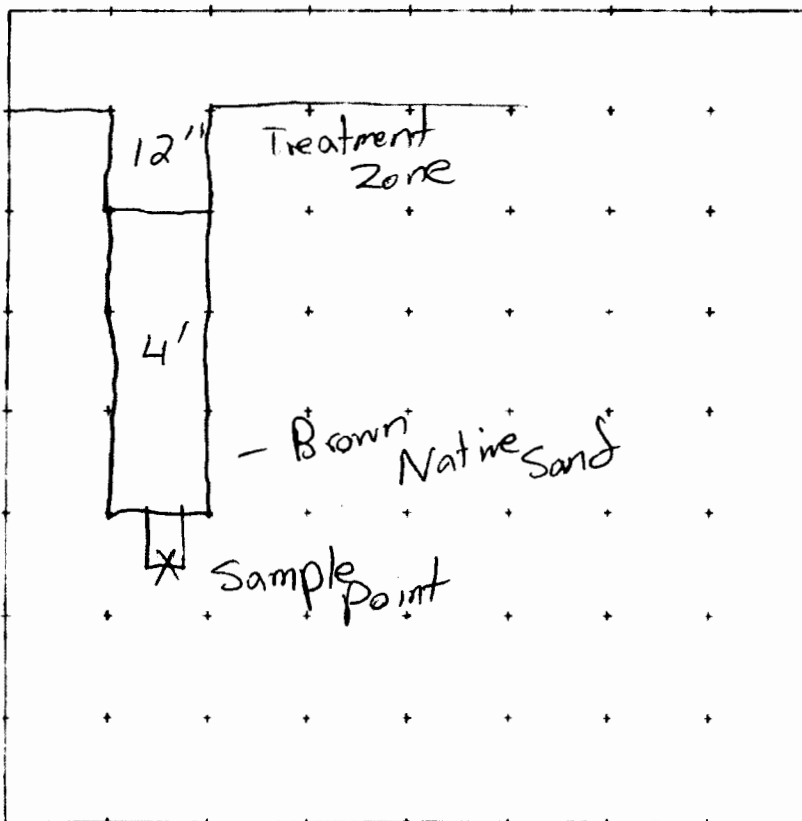
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

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

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

FACILITY DIAGRAM

GRID SCALE:



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE FID (ppm)

LAB RESULTS

SAMPLE ID	ANALYSIS REQUESTED	RESULTS PPM
Q2N8 8015		
Q2N8 8021		
Q2N8 418		
Q2N8 300		

NORTH

WELLHEAD

SURFACE
FLOW DIR

ESTIMATED
GROUNDWATER
FLOW DIR

ENVIROTECH Inc.

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PIT No: _____
COC # 1445

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No. 07117-004
PAGE No. _____ of _____

FACILITY LOCATION: Agua Mesa Landfarm Cell 2
SOURCE LOCATION: _____
SOURCE LOCATION: South #1
SOURCE LOCATION: Lat Long: N. 758734, -108.012752
FACILITY CLASSIFICATION: _____ PIT TYPE: _____

DATE STARTED: 6-14-12
DATE FINISHED: _____

ENVIRONMENTAL SPECIALIST: K. Peire
C. Arigo

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

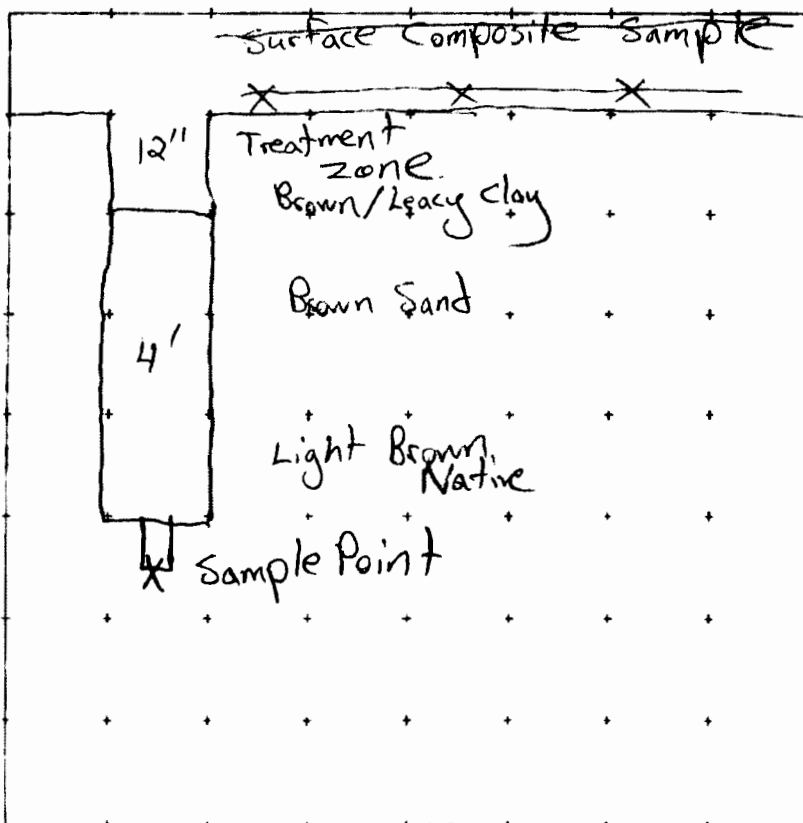
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

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

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

FACILITY DIAGRAM

GRID SCALE:



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)

LAB RESULTS

SAMPLE ID	ANALYSIS REQUESTED	RESULTS PPM
251	8015	
251	8021	
251	418	
251	Chlor	

NORTH

WELLHEAD

SURFACE
FLOW DIR

ESTIMATED
GROUNDWATER
FLOW DIR

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(505) 832-0615

PIT No: _____
C.O.C #: 14988

JOB No: 07117-0004
PAGE No: ____ of ____

DATE STARTED: 6-14-12
DATE FINISHED: _____

ENVIRONMENTAL K. Peine
SPECIALIST: C. Amadio

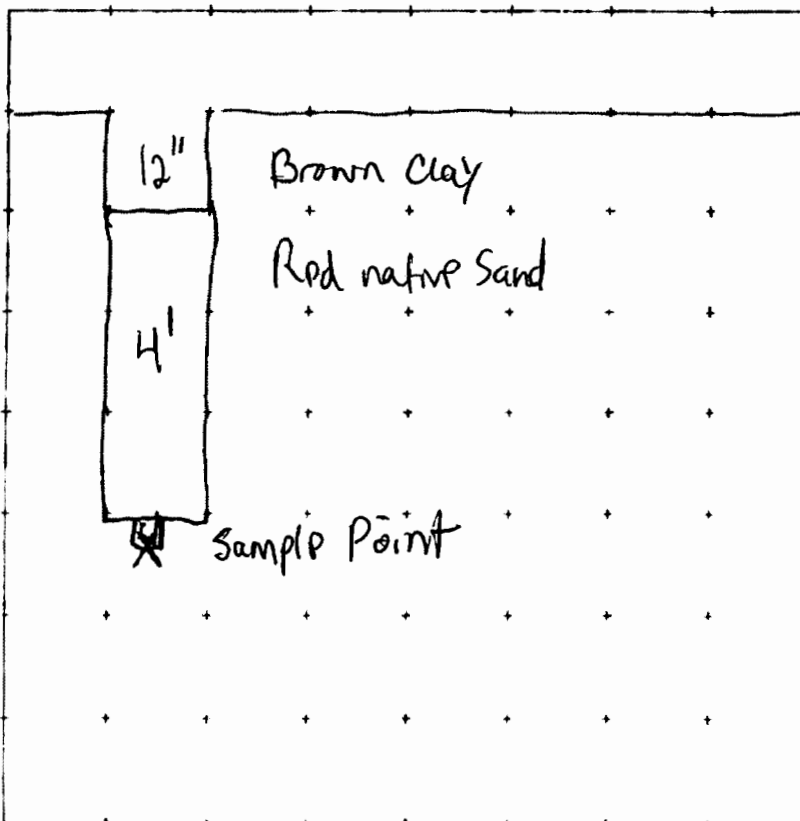
SOIL REMEDIATION: QUANTITY: _____ # OF COMP. SAMPLES: _____
 DIMENSIONS: _____
 VISIBLE OBSERVATIONS: _____
 SAMPLING PLAN: _____

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

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

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

GRID SCALE:



OVM RESULTS

[illegible]

LAB RESULTS

SAMPLE ID	ANALYSIS REQUESTED	RESULT PPM
C254	9015	
C254	9015	
C254	9015	
C254	Chlor	

NORTH

WELLHEAD

SURFACE
FLOW DIR

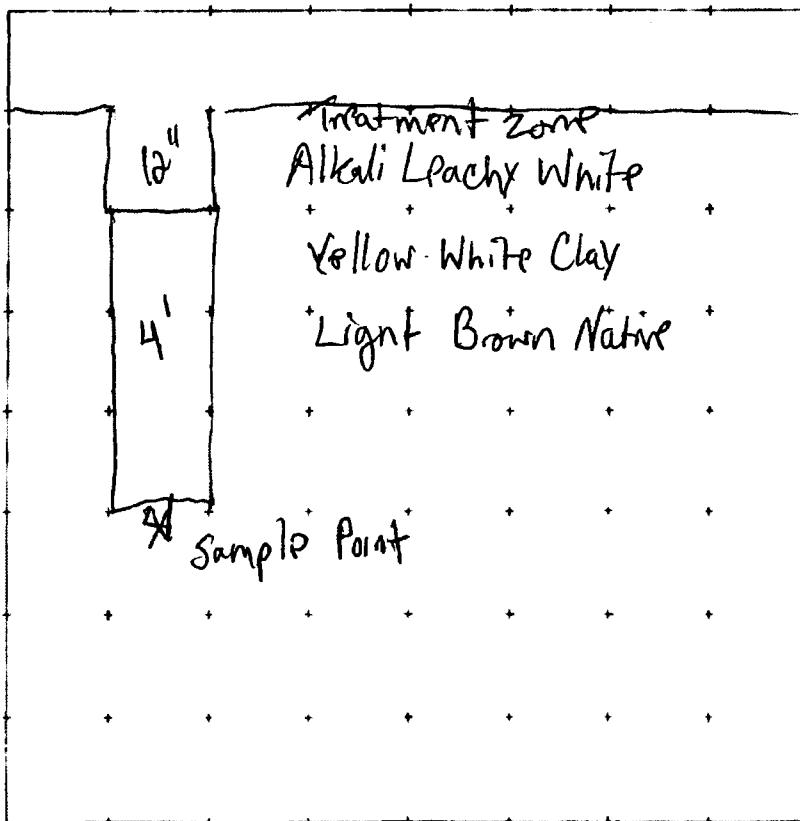
ESTIMATED
GROUNDWATER
FLOW DIP

ENVIROTECH Inc.5798 US HWY. 64, FARMINGTON, NM 87401
(505) 832-0815PIT No: _____
C.O.C. 17488**FIELD REPORT: REMEDIATION FACILITY
CLOSURE VERIFICATION**JOB No: 07117-0004
PAGE No: _____ of _____FACILITY LOCATION: Aqua Moss Land Farm Cell 2
SOURCE LOCATION: _____
SOURCE LOCATION: South #6
SOURCE LOCATION: Lat Long: 36.758658, -108.071826
FACILITY CLASSIFICATION: _____ PIT TYPE: _____DATE STARTED: 6-14-12
DATE FINISHED: _____ENVIRONMENTAL SPECIALIST: C. Arango
K. PonceSOIL 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 NMDCD: _____No. OF 5-POINT
COMPOSITE SAMPLES:
YARDAGE--#
0-200=1
201-400=2
401-1000=3
>1000=5**FACILITY DIAGRAM**

GRID SCALE:

**OVM
RESULTS**

SAMPLE ID	FIELD HEADSPACE PID (ppm)

**LAB
RESULTS**

SAMPLE ID	ANALYSIS REQUESTED	RESULTS PPM
<u>0256 8015</u>		
<u>0256 8021</u>		
<u>0256 418.1</u>		
<u>0256 Chlbr</u>		

NORTH

WELLHEAD

SURFACE
FLOW DIRESTIMATED
GROUNDWATER
FLOW DIP

ENVIROTECH Inc.

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PIT No: _____
COC #: 14988

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No: 07117-0004
PAGE No: _____ of _____

FACILITY LOCATION: Agua Moss Landfarm Cell 2
SOURCE LOCATION: South #8
SOURCE LOCATION: Lat/Long 36.758565, -108.02731
FACILITY CLASSIFICATION: _____ PIT TYPE: _____

DATE STARTED: 6-14-12
DATE FINISHED: _____
ENVIRONMENTAL SPECIALIST: k. Perme
C. Arago

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

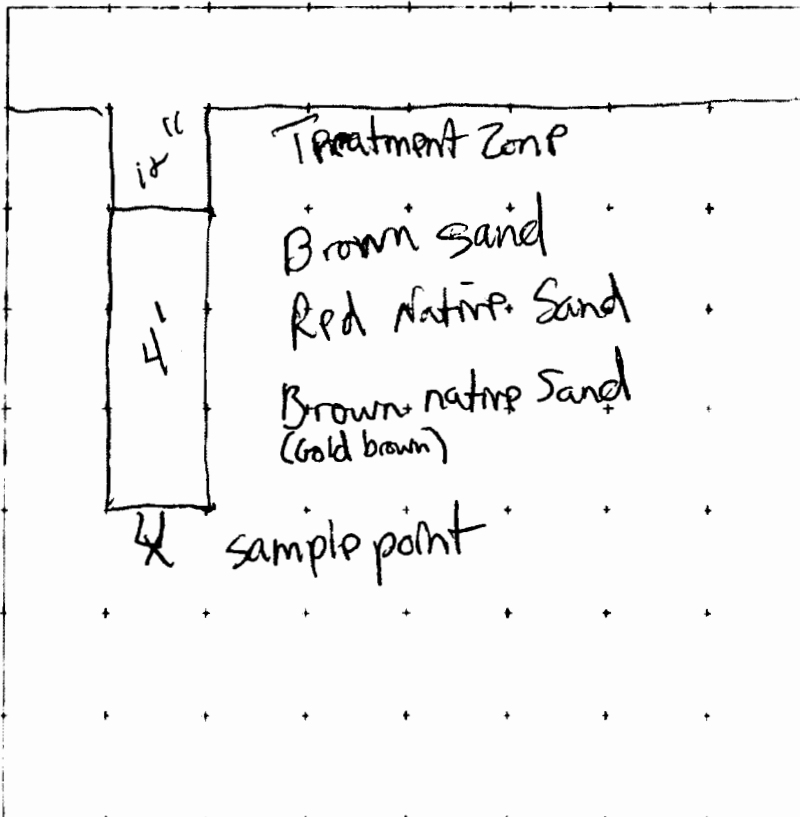
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

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

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

FACILITY DIAGRAM

GRID SCALE:



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE P.D (ppm)

LAB RESULTS

SAMPLE ID	ANALYSIS REQUESTED	RESULTS PPM
258	20.15	
258	90.21	
258	418.1	
258	300.1	

NORTH

WELLHEAD

SURFACE
FLOW DIR

ESTIMATED
GROUNDWATER
FLOW DIR

PIT No: _____
C.O.C #: 74988

FIELD REPORT: REMEDIATION FACILITY
CLOSURE VERIFICATION

JOB No: 07117-0004
PAGE No: of

FACILITY LOCATION: Agua Moss Landfarm 2
SOURCE LOCATION: _____
SOURCE LOCATION: North Surface Composite
SOURCE LOCATION: Cell 2N-4, Cell 2N-6, Cell 2N-7, Cell 2N-8.
FACILITY CLASSIFICATION: _____ PIT TYPE: _____

DATE STARTED: 6-14-12
DATE FINISHED: _____

ENVIRONMENTAL SPECIALIST: K. Peir
C. Arigo

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 NMOC:

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

FACILITY DIAGRAM

GRID SCALE:

4 Point Composite

OVM RESULTS

[illegible]

NORTH

WELLHEAD

LAB RESULTS

[illegible]

SURFACE
FLOW DIR

ESTIMATED
GROUNDWATER
FLOW DIR.