Mountain States ACCUTEST LABORATORIES

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Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	WARD SKIM PIT		
Lab Sample ID:	D56480-1	Date Sampled:	03/31/14
Matrix:	SO - Soil	Date Received:	04/02/14
Method:	SW846 8260B	Percent Solids:	94.4
Project:	Ward-Skim Pit Closure		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V29993.D	1	04/10/14	JL	n/a	n/a	V3V1753
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.06 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	55	21	ug/kg	
108-88-3	Toluene	ND	110	55	ug/kg	
100-41-4	Ethylbenzene	ND	110	21	ug/kg	
1330-20-7	Xylene (total)	ND	220	110	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	89%		64-130%
460-00-4	4-Bromofluorobenzene	105%		62-131%
17060-07-0	1,2-Dichloroethane-D4	105%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	WARD SKIM PIT		
Lab Sample ID:	D56480-1	Date Sampled:	03/31/14
Matrix:	SO - Soil	Date Received:	04/02/14
Method:	SW846 8015B	Percent Solids:	94.4
Project:	Ward-Skim Pit Closure		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB24378.D	1	04/02/14	AR	n/a	n/a	GGB1336
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	99%		60-140%

ND = Not detected MDL = Method Detection Limit
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N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	WARD SKIM PIT		
Lab Sample ID:	D56480-1	Date Sampled:	03/31/14
Matrix:	SO - Soil	Date Received:	04/02/14
Method:	SW846-8015B SW846 3546	Percent Solids:	94.4
Project:	Ward-Skim Pit Closure		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD30289.D	1	04/10/14	JJ	04/08/14	OP9695	GFD1464
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	85.2	7.1	5.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	103%		20-130%

ND = Not detected MDL = Method Detection Limit
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N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	WARD SKIM PIT	Date Sampled:	03/31/14
Lab Sample ID:	D56480-1	Date Received:	04/02/14
Matrix:	SO - Soil	Percent Solids:	94.4
Project:	Ward-Skim Pit Closure		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	94.4		%	1	04/03/14	SWT	SM2540G-2011 M
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	591	1.0	umhos/cm	1	04/11/14	RW	SM 2510B-2011 MOD
pH	9.00		su	1	04/03/14 11:10	JB	SW846 9045D

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	WARD SKIM PIT	Date Sampled:	03/31/14
Lab Sample ID:	D56480-1A	Date Received:	04/02/14
Matrix:	SO - Soil	Percent Solids:	94.4
Project:	Ward-Skim Pit Closure		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	27.8	2.0	mg/l	1	04/11/14	04/11/14	JB	SW846 6010C [1]	SW846 3010A/M [2]
Magnesium	11.1	1.0	mg/l	1	04/11/14	04/11/14	JB	SW846 6010C [1]	SW846 3010A/M [2]
Sodium	93.4	2.0	mg/l	1	04/11/14	04/11/14	JB	SW846 6010C [1]	SW846 3010A/M [2]

(1) Instrument QC Batch: MA4654
(2) Prep QC Batch: MP12708

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	WARD SKIM PIT		
Lab Sample ID:	D56480-1A	Date Sampled:	03/31/14
Matrix:	SO - Soil	Date Received:	04/02/14
		Percent Solids:	94.4
Project:	Ward-Skim Pit Closure		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	3.79		ratio	1	04/11/14 16:36	JB	USDA HANDBOOK 60

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L) + (Mg meq/L)/2]

RL = Reporting Limit