Mountain States ACCUTEST LABORATORIES

07/05/11

Technical Report for

Olsson Associates

Delta 2B Cuttings

PO#011-1313

Accutest Job Number: D24580

Sampling Date: 06/17/11

Report to:

Olsson Associates

kkreie@oaconsulting.com

ATTN: Ken Kreie

Total number of pages in report: **21**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

John Hamilton
Laboratory Director

Client Service contact: 303-425-6021

Certifications: CO, ID, NE, NM, ND (R-027) (PW) UT (NELAP CO00049)

Test results relate only to samples analyzed.

Sections: 1 2 3 4

Table of Contents

Sample Summary

Olsson Associates

Job No: D24580

Delta 2B Cuttings
Project No: PO#011-1313

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
D24580-1	06/17/11	13:25	BS	06/18/11	SO	Soil	DELTA 2B SS1
D24580-1A	06/17/11	13:25	BS	06/18/11	SO	Soil	DELTA 2B SS1

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Olsson Associates	**Job No**	D24580
Site:	Delta 2B Cuttings	**Report Dat**	7/5/2011 11:20:40 AM

On 06/18/2011, 1 sample(s), 0 Trip Blank(s), and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 4 °C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D24580 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix SO **Batch ID:** V5V952

- All samples were analyzed within the recommended method holding time.
- Sample(s) D24436-1MS, D24436-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Extractables by GCMS By Method SW846 8270C BY SIM

Matrix SO **Batch ID:** OP3917

- All samples were extracted and analyzed within the recommended method holding time.
- Sample(s) D24588-1MS, D24588-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- The matrix spike and matrix spike duplicate (MS/MSD) recovery(s) of multiple analytes are outside control limits. Due to dilution.
- OP3917-MS and OP3917-MSD: Dilution required due to matrix interference.
- D24580-1: Elevated reporting limits due to matrix interference.

Volatiles by GC By Method SW846 8015B

Matrix SO **Batch ID:** GGA669

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D24557-1MS, D24557-1MSD were used as the QC samples indicated.

Extractables by GC By Method SW846-8015B

Matrix SO **Batch ID:** OP3913

- All samples were extracted and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D24302-1MS, D24302-1MSD were used as the QC samples indicated.

Metals By Method SW846 6010B

Matrix	AQ	Batch ID:	MP5002

- All samples were digested and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D24580-1AMS, D24580-1AMSD were used as the QC samples for the metals analysis.

Matrix	SO	Batch ID:	MP4994

- All samples were digested and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D24588-1MS, D24588-1MSD, D24588-1SDL were used as the QC samples for the metals analysis.
- The matrix spike (MS) recovery(s) of Nickel are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- The matrix spike duplicate (MSD) recovery(s) of Chromium, Nickel are outside control limits. Probable cause due to matrix interference.
- The serial dilution RPD(s) for Cadmium, Silver are outside control limits for sample MP4994-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- The serial dilution RPD(s) for Chromium, Nickel, Zinc are outside control limits for sample MP4994-SD1. Serial dilution indicates possible matrix interference.
- D24580-1 for Selenium: Elevated detection limit due to dilution required for possible matrix interference.

Metals By Method SW846 6020

Matrix	SO	Batch ID:	MP4995

- All samples were digested and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D24588-1MS, D24588-1MSD, D24588-1SDL were used as the QC samples for the metals analysis.

Metals By Method SW846 7471A

Matrix	SO	Batch ID:	MP5001

- All samples were digested and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D24538-1MS, D24538-1MSD were used as the QC samples for the metals analysis.

Wet Chemistry By Method ASTM D1498-76M

Matrix	SO	Batch ID:	GN10134

- Sample(s) D24579-1DUP were used as the QC samples for the Redox Potential Vs H2 analysis.

Wet Chemistry By Method SM19 2540B M

Matrix	SO	Batch ID:	GN10136

- The data for SM19 2540B M meets quality control requirements.

Wet Chemistry By Method SW846 3060/7196A M

Matrix	SO	Batch ID:	R8104

- The data for SW846 3060/7196A M meets quality control requirements.
- D24580-1 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Wet Chemistry By Method SW846 3060A/7196A

Matrix	SO	Batch ID:	M:GP13153

- The data for SW846 3060A/7196A meets quality control requirements.
- D24580-1 for Chromium, Hexavalent: Analysis performed at Accutest Laboratories, Marlborough, MA.

Wet Chemistry By Method SW846 9045C

Matrix	SO	Batch ID:	GN10142

- The following sample was run outside of holding time for method SW846 9045C: D24580-1

Wet Chemistry By Method USDA HANDBOOK 60

Matrix	SO	Batch ID:	MP5002

- D24580-1A for Sodium Adsorption Ratio: Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+(Mg meq/L)/2]

AMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting AMS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

AMS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by AMS indicated via signature on the report cover.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Accutest Mountain States	**Job No**	D24580
Site:	CORCCOGJ: Delta 2B Cuttings	**Report Date**	6/29/2011 9:26:11 AM

1 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were collected on 06/17/2011 and were received at Accutest on 06/18/2011 properly preserved, at 1.6 Deg. C and intact. These Samples received an Accutest job number of D24580. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Wet Chemistry By Method SW846 3060A/7196A

Matrix SO **Batch ID:** GP13153

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D24388-1DUP, D24388-1MS were used as the QC samples for Chromium, Hexavalent.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(D24580).

Mountain States ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	DELTA 2B SS1		
Lab Sample ID:	D24580-1	**Date Sampled:**	06/17/11
Matrix:	SO - Soil	**Date Received:**	06/18/11
Method:	SW846 8260B	**Percent Solids:**	80.9
Project:	Delta 2B Cuttings		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V16125.D	1	06/22/11	DC	n/a	n/a	V5V952
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	73	32	ug/kg	
108-88-3	Toluene	ND	150	73	ug/kg	
100-41-4	Ethylbenzene	310	150	36	ug/kg	
1330-20-7	Xylene (total)	ND	290	150	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	90%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%
17060-07-0	1,2-Dichloroethane-D4	112%		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

Report of Analysis

Client Sample ID:	DELTA 2B SS1		
Lab Sample ID:	D24580-1	**Date Sampled:**	06/17/11
Matrix:	SO - Soil	**Date Received:**	06/18/11
Method:	SW846 8270C BY SIM SW846 3546	**Percent Solids:**	80.9
Project:	Delta 2B Cuttings		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3G04645.D	25	06/22/11	TMB	06/21/11	OP3917	E3G172
Run #2							

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

COGCC Table 910-1 PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	210	160	ug/kg	
120-12-7	Anthracene	ND	210	190	ug/kg	
56-55-3	Benzo(a)anthracene	ND	510	270	ug/kg	
50-32-8	Benzo(a)pyrene	ND	510	370	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	510	380	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	510	230	ug/kg	
218-01-9	Chrysene	ND	510	230	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	510	380	ug/kg	
206-44-0	Fluoranthene	ND	210	210	ug/kg	
86-73-7	Fluorene	ND	210	170	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	620	570	ug/kg	
91-20-3	Naphthalene	ND	210	200	ug/kg	
129-00-0	Pyrene	ND	210	200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	36%		10-193%
321-60-8	2-Fluorobiphenyl	39%		20-138%
1718-51-0	Terphenyl-d14	69%		17-174%

(a) Elevated reporting limits due to matrix interference.

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

Report of Analysis

Client Sample ID:	DELTA 2B SS1		
Lab Sample ID:	D24580-1	**Date Sampled:**	06/17/11
Matrix:	SO - Soil	**Date Received:**	06/18/11
Method:	SW846 8015B	**Percent Solids:**	80.9
Project:	Delta 2B Cuttings		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GA12346.D	1	06/19/11	BR	n/a	n/a	GGA669
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	15	7.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	86%		60-140%

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

Report of Analysis

Client Sample ID:	DELTA 2B SS1		
Lab Sample ID:	D24580-1	**Date Sampled:**	06/17/11
Matrix:	SO - Soil	**Date Received:**	06/18/11
Method:	SW846-8015B SW846 3546	**Percent Solids:**	80.9
Project:	Delta 2B Cuttings		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD07368.D	1	06/24/11	JB	06/21/11	OP3913	GFD321
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	250	16	11	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	65%		61-142%

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

Report of Analysis

Client Sample ID:	DELTA 2B SS1		
Lab Sample ID:	D24580-1	**Date Sampled:**	06/17/11
Matrix:	SO - Soil	**Date Received:**	06/18/11
		Percent Solids:	80.9
Project:	Delta 2B Cuttings		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.8	0.48	mg/kg	5	06/20/11	06/21/11	GJ	SW846 6020 [2]	SW846 3050B [6]
Barium	5670	12	mg/kg	10	06/20/11	06/21/11	JM	SW846 6010B [3]	SW846 3050B [5]
Cadmium	< 1.2	1.2	mg/kg	1	06/20/11	06/20/11	JB	SW846 6010B [1]	SW846 3050B [5]
Chromium	13.1	1.2	mg/kg	1	06/20/11	06/20/11	JB	SW846 6010B [1]	SW846 3050B [5]
Copper	21.1	1.2	mg/kg	1	06/20/11	06/21/11	JM	SW846 6010B [3]	SW846 3050B [5]
Lead	10.0	6.1	mg/kg	1	06/20/11	06/20/11	JB	SW846 6010B [1]	SW846 3050B [5]
Mercury	< 0.12	0.12	mg/kg	1	06/21/11	06/21/11	JM	SW846 7471A [4]	SW846 7471A [7]
Nickel	17.9	3.6	mg/kg	1	06/20/11	06/20/11	JB	SW846 6010B [1]	SW846 3050B [5]
Selenium [a]	< 61	61	mg/kg	10	06/20/11	06/21/11	JM	SW846 6010B [3]	SW846 3050B [5]
Silver	< 3.6	3.6	mg/kg	1	06/20/11	06/20/11	JB	SW846 6010B [1]	SW846 3050B [5]
Zinc	46.3	3.6	mg/kg	1	06/20/11	06/20/11	JB	SW846 6010B [1]	SW846 3050B [5]

(1) Instrument QC Batch: MA1611
(2) Instrument QC Batch: MA1612
(3) Instrument QC Batch: MA1615
(4) Instrument QC Batch: MA1616
(5) Prep QC Batch: MP4994
(6) Prep QC Batch: MP4995
(7) Prep QC Batch: MP5001

(a) Elevated detection limit due to dilution required for possible matrix interference.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DELTA 2B SS1		
Lab Sample ID:	D24580-1	**Date Sampled:**	06/17/11
Matrix:	SO - Soil	**Date Received:**	06/18/11
		Percent Solids:	80.9
Project:	Delta 2B Cuttings		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent [a]	< 0.49	0.49	mg/kg	1	06/28/11 15:02	AMA	SW846 3060A/7196A
Chromium, Trivalent [b]	12.7	1.7	mg/kg	1	06/28/11 15:02	AMA	SW846 3060/7196A M
Redox Potential Vs H2	365		mv	1	06/20/11 14:30	CB	ASTM D1498-76M
Solids, Percent	80.9		%	1	06/21/11	SWT	SM19 2540B M
Specific Conductivity	975	1.0	umhos/cm	1	06/21/11	CJ	DEPT.OF AG, BOOK N9
pH	9.85		su	1	06/20/11 14:30	CB	SW846 9045C

(a) Analysis performed at Accutest Laboratories, Marlborough, MA.
(b) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DELTA 2B SS1		
Lab Sample ID:	D24580-1A	**Date Sampled:**	06/17/11
Matrix:	SO - Soil	**Date Received:**	06/18/11
		Percent Solids:	80.9
Project:	Delta 2B Cuttings		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	73.5	2.0	mg/l	1	06/21/11	06/21/11	JM	SW846 6010B [1]	EPA 200.7 [2]
Magnesium	1.43	1.0	mg/l	1	06/21/11	06/21/11	JM	SW846 6010B [1]	EPA 200.7 [2]
Sodium	130	2.0	mg/l	1	06/21/11	06/21/11	JM	SW846 6010B [1]	EPA 200.7 [2]

(1) Instrument QC Batch: MA1615
(2) Prep QC Batch: MP5002

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DELTA 2B SS1		
Lab Sample ID:	D24580-1A	**Date Sampled:**	06/17/11
Matrix:	SO - Soil	**Date Received:**	06/18/11
		Percent Solids:	80.9
Project:	Delta 2B Cuttings		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	4.10		ratio	1	06/21/11 14:39	JM	USDA HANDBOOK 60

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

RL = Reporting Limit

Mountain States ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Chain of Custody (Accutest Labs of New England, Inc.)

CHAIN OF CUSTODY

ACCUTEST Laboratories

4036 Youngfield St., Wheat Ridge, CO 80033; 303-425-6021; 303-425-6854

FED-EX Tracking # | Bottle Order Control #

Accutest Quote | Accutest Job # D24580

Client / Reporting Information

Company Name: Olsson Associates

Project Contact: Ken Kreie | E-Mail: kkreie@oaconsulting.com

Address: 826 21 1/2 Road

City: Grand Junction | State: CO | Zip: 81505

Phone No.: 970-263-7800 | Fax No.:

Samplers's Name: Brian Swedin

Project Information

Project Name / No.: Delta 2B Cuttings / 011-1313

Bill to: Olsson Assocaites | Invoice Attn.: Ken Kreie

Address: 826 21 1/2 Road

City: Grand Junction | State: CO | Zip: 81505

Phone No.: 970-263-7800 | Fax No.:

Client Purchase Order #: 011-1313

Requested Analyses

Accutest Sample #	Field ID / Point of Collection	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	ENCORE	NaHSO4	MEOH	NONE	TPH (GRO)	TPH (DRO)	BTEX	PAH (See List 1)	Electrical Conductivity	Sodium Adsorption Ratio	pH	Metals (See List 2)	LAB USE ONLY
	Delta 2B SS1	6/17/2016	13:25	SS	6									X	X	X	X	X	X	X	X	

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Wastewater
SO - Soil
SL - Sludge
OI - Oil
LIQ - Liquid
SOL - Other Solid

Turnaround Time (Business days)

- [X] 10 Day *STANDARD* — Approved By:/ Date:
- [ ] 7 Day (per contract)
- [ ] 4 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*
- [ ] Other

Real time analytical data available via Lablink

Data Deliverable Information

- [ ] Commercial "A"
- [X] Commercial "B"
- [ ] Reduced Tier 1
- [ ] Full Data Package
- [ ] TRRP-13
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results & Standard QC

Comments / Remarks

AMS FEDEX Account Number - 467721860

List 1 - Acenaphthene, Anthracene, Benzo(A)anthracene, Benzo(B)fluoranthene, Benzo(K)fluoranthene, Benzo(A)pyrene, Chrysene, Dibenzo(A,H)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3,C,D)pyrene, Napthalene, Pyrene

List 2 - As, Ba, Cd, Cr3, Cr6, Cu, Pb, Hg, Ni, Se, Ag, Zn

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		6/17/16 16:20	1	2		2 6-18-16 1145
3	Relinquished by:	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal # FedX ☐ MA	On Ice ☑	Cooler Temp. 4.0

D24580: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: D24580 **Client:** OLSSON **Immediate Client Services Action Required:** No

Date / Time Received: 6/18/2011 11:45:00 AM **No. Coolers:** 1 **Client Service Action Required at Login:** No

Project: DELTA 2B CUTTINGS **Airbill #'s:** FEDEX

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	
2. Trip Blank listed on COC:	☐		☐	
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume rec'd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:(303) 425-6021

4036 Youngfield Street
F: (303) 425-6854

Wheat Ridge, CO
www/accutest.com

D24580: Chain of Custody
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CHAIN OF CUSTODY

ACCUTEST

4036 Youngfield St., Wheat Ridge, CO 80033
303-425-6021 FAX: 303-425-6854

Accutest Job #:	D24580
Accutest Quote #:	0
AMS P.O. #:	
Project No.:	

Client Information			Subcontract Laboratory Information			Analytical Information
Name: Accutest Mountain States (AMS)			Name: Accutest - New England			
Address: 4036 Youngfield St.			Address: 495 Technology Center West, BLDG C			
City: Wheat Ridge,	State: CO	Zip: 80033	City: Marlborough	State: MA	Zip: 01752	
Send Report to: Tiffany Pham			Contact: Sample Management			
Any questions contact: Amanda Kissell						
Phone/Fax #: (303) 425-6021; (303)425-6854			Phone: (508) 481-6200			

Field ID / Point of Collection	Collection Date	Collection Time		Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	XCRA					Comments
D24580 -1	6/17/11	1:25 PM		Soil	1						X					
-																
-																

Turnaround Information

- [X] 10 Business Day Standard
- [ ] Other _____ (Days)

Approved By: _____

10 Day Turnaround Hardcopy, RUSH is FAX Data unless previously approved.

Data Deliverable Information

- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] Commercial "BN"
- [ ] Reduced Tier 1
- [ ] Full Tier 1
- [ ] PDF
- [ ] Compact Disk Deliverable
- [ ] Electronic Delivery: _____
- [ ] State Forms
- [ ] Other (Specify) _____

Comments / Remarks

Please use Colorado regulations and RLs.

3A

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date & Time:	Received By:	Date & Time:
1	6/20/11	1 FedEx	1
2 FedEx	6/21/11 9:45	2	2
3		3	3

For Subcontract Laboratory Use Only

Seal #: _____ Headspace: Yes ☐ No ☐ NA ☐

Preserved where applicable: ☐

Temperature °C 1-6 On Ice ☑

D24580: Chain of Custody
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Accutest Labs of New England, Inc.

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: D24580 **Client:** AMS **Immediate Client Services Action Required:** No

Date / Time Received: 6/21/2011 **Delivery Method:** **Client Service Action Required at Login:** No

Project: **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

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