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FAX TRANSMUTTAL SHEET

TO: John E. Axelson, P.G.

FAX NUMBER: 303-637-7179

DATE: December 30, 2008

PAGES: 7 Including Cover Sheet:

FROM: Jack Crumley

COMMENTS: Evergreen Analytical, Inc. Lab Reports , State #1

Evergreen Analytical, Inc.**Date: 29-Dec-08****Lab Order: 08-9091****Client Project ID State #1 36-1N-58W****CASE NARRATIVE**

SAMPLE RECEIVING

Sample(s) were hand delivered to the laboratory by the client.

Custody seals were not present.

The temperature of the sample(s) upon arrival was 18.7°C. Sample was taken 1 hour and 20 minutes earlier.

Sample(s) were received in good condition, in the proper container, and within holding times. NJO/TP

QUALITY ASSURANCE (QA)

Analyses performed on samples in this work order by EAL meet the requirements of the EAL Quality Assurance Program unless otherwise explained. Analyses of RCRA samples meet the requirements of NELAC and Utah Rule R444-14 unless otherwise explained. TP

CLIENT SERVICES

There are no anomalies to report. AE

GENERAL CHEMISTRY

COND_S: There are no anomalies to report. MM

METALS ANALYSIS

Sodium was detected in the method blank (MB) for the 6010 metals at 1.0 mg/L. This amount was not subtracted from the sample result. There are no other anomalies to report. SS

WORK ORDER Summary Evergreen Analytical, Inc. 08-9091

Rpt To: Jack Crumley

12/3/2008 10:18:23 AM

Jack Crumley
PO Box 494

Client Project ID: State #1 36-1N-58W

Akron, CO 80720
(970) 345-6550

QC Level: Level 1

Comments

Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Test Code	Test Name	Hold	MS	Date Due	Hold Time
08-9091-01A	Pit dirt	Soil	11/25/08 1300	11/25/08	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	12/11/08	5/24/09
08-9091-01A	Pit dirt	Soil	11/25/08 1300	11/25/08	COND_S	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	12/11/08	12/23/08
08-9091-01A	Pit dirt	Soil	11/25/08 1300	11/25/08	SAR_S	Sodium Adsorption Ratio, Soil <i>Leachate</i>	<input type="checkbox"/>	<input type="checkbox"/>	12/11/08	5/24/09

Definitions: * - Test Code has a Select List

Evergreen Analytical, Inc.
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: Pit dirt
Client Project ID: State #1 36-1N-58W
Date Collected: 11/25/08
Date Received: 11/25/08

Lab Work Order 08-9091
Lab Sample ID: 08-9091-01
Sample Matrix: Soil

DISSOLVED METALS

Method: SW6010B

Prep Method: E200.7/SW3010A

Date Prepared: 12/1/08
Date Analyzed: 12/2/08

Lab File ID: 120208AM
Method Blank: MB-17420

Dilution Factor: 1
Lab Fraction ID: 08-9091-01A

Analytes	CAS Number	Result	LQL	Units
Calcium	7440-70-2	21	1.9	mg/L
Magnesium	7439-95-4	4.9	0.75	mg/L
Sodium	7440-23-5	4800 B	2.0	mg/L

SODIUM ADSORPTION RATIO, SOIL

Method: USDA

Prep Method:

Date Prepared: 12/1/08
Date Analyzed: 12/2/08

Dilution Factor: 1
Lab Fraction ID: 08-9091-01A

Analytes	CAS Number	Result	LQL	Units
Sodium-Adsorption-Ratio		250	0.10	ratio

768-0993



Analyst

Approved

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value, Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: NA - Not Applicable
LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 12/8/08

Evergreen Analytical, Inc.
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: Pit dirt
Client Project ID: State #1 36-1N-58W
Date Collected: 11/25/08
Date Received: 11/25/08

Lab Work Order 08-9091
Lab Sample ID: 08-9091-01
Sample Matrix: Soil

SPECIFIC CONDUCTANCE @ 25°C

Method: Dept of Ag.

Prep Method:

Comments: Method: US Dept. of Ag, Handbook #60, p89

Date Prepared: 12/1/08

Lab File ID: 62

Dilution Factor: 1

Date Analyzed: 12/4/08

Lab Fraction ID: 08-9091-01A

Analytes	CAS Number	Result	LQL	Units
Specific Conductance		21500	1.00	µmhos/cm


Analyst


Approved

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result
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J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: NA - Not Applicable
LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 12/5/2008

Evergreen Analytical, Inc.

Date: 05-Dec-08

Work Order: 08-9091

Client Project ID: State #1 36-IN-58W

ANALYTICAL QC SUMMARY REPORT

TestCode: COND_S

Sample ID	LC8	SampleType: LC8	TestCode: COND_S	Run ID: COND_081200A	Prep Date: 12/4/2008	Unit: $\mu\text{mhos/cm}$
		Batch ID: RA3026	TestNo: Dept of Ag.	FileID: 47	Analysis Date: 12/4/2008	SeqNo: 776225
Analyte		Result	LOL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Specific Conductance		9840	1.00	10040	0	99 90 110 0 0

Qualifiers:

U - Not detected at or above the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside acceptance limits
 E - Extrapolated value, value exceeds calibration range.

R - RPD outside acceptance limits
 B - Analyte detected in the associated Method Blank
 H - Prep or analytical holding time exceeded
 X - See case narrative

Work Order: 08-9091

Client Project ID: State #1 36-1N-58W

ANALYTICAL QC SUMMARY REPORT

BatchID: 17420

Sample ID: MB-17420	Sample Type: MBLK	TestCode: 200.J_T	Run ID: ICP-OPTIMA 5300 DV_081202A	Prep Date: 12/1/08	Units: mg/L
	Batch ID: 17420	TestNo: E200.J, Rev. 4	FileID: 120208AM	Analysis Date: 12/2/08	SeqNo: 778910
Analyte	Result	LOL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Calcium	0	0.387			
Magnesium	0	0.150			
Sodium	1.003	0.400			

Sample ID: LCS-17420	Sample Type: LCS	TestCode: 200.J_T	Run ID: ICP-OPTIMA 5300 DV_081202A	Prep Date: 12/1/08	Units: mg/L
	Batch ID: 17420	TestNo: E200.J, Rev. 4	FileID: 120208AM	Analysis Date: 12/2/08	SeqNo: 778911
Analyte	Result	LOL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Calcium	10.16	0.387	10	0	102 74 120 0 0
Magnesium	10.06	0.150	10	0	101 76.7 120 0 0
Sodium	11.03	0.400	10	1.003	100 80 120 0 0

Qualifiers:

- U - Not detected at or above the Reporting Limit
- J - Analyte detected below quantitation limits
- S - Spike Recovery outside acceptance limits
- E - Extrapolated value, value exceeds calibration range
- R - RPD outside acceptance limits
- B - Analyte detected in the associated Method Blank
- H - Prep or analytical holding time exceeded
- X - See case narrative