



Jack L. Crumley
P.O. Box 494
Akron, CO 80720-0494
Phone (970) 345-6550
Fax (970) 345-2643

REM# 4202
PIT# 116881
Doc# 2303186
Date: 05/15/2009

FAX TRANSMUTTAL SHEET

TO: John E. Axelson, P.G.

FAX NUMBER: 303-637-7179

DATE: May 15, 2009

PAGES: 9 Including Cover Sheet:

FROM: Jack Crumley

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

Evergreen Analytical, Inc.

Date: 14-May-09

Lab Order: 09-2986

Client Project ID State

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 20.3°C. The temperature of the sample(s) at receipt exceeded the EPA requirement of less than 6.0°C.

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

There are no anomalies to report. MM

METALS ANALYSIS

There are no anomalies to report. HJ

OIL AND GREASE/TRPH ANALYSIS

Method 418.1_S: Sample and Duplicate results were both below reporting limit, thus no %RPD. There are no other anomalies to report. SWT

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

E84

Client Project ID State
Date Received: 4/30/09Lab Order: 09-2986
Date Prepared: 5/7/09
Units: mg/Kg**Total Recoverable Petroleum Hydrocarbons****TRPH**

Method: E418.1

Prep Method:

Lab ID	Client ID	Matrix	Date Collected	Date Analyzed	Results	LQL	DF
09-2986-01A	State	Soil	4/29/09	5/7/09	U	20	0.999


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: DF - Dilution Factor
PF - Prep Factor
LQL - Lower Quantitation Limit

Print Date: 5/7/2009

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 4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
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Client Sample ID: State
 Client Project ID: State
 Date Collected: 4/29/09
 Date Received: 4/30/09

Lab Work Order: 09-2986
 Lab Sample ID: 09-2986-01
 Sample Matrix: Soil

DISSOLVED METALS

Method: SW6010B

Prep Method: E200.7/SW3010A

Date Prepared: 5/8/09
 Date Analyzed: 5/11/09

Lab File ID: 051109AM

Dilution Factor: 1
 Lab Fraction ID: 09-2986-01A

Analytes	CAS Number	Result	LQL	Units
Calcium	7440-70-2	170	1.9	mg/L
Magnesium	7439-95-4	50	0.75	mg/L
Sodium	7440-23-5	210	2.0	mg/L

SODIUM ADSORPTION RATIO, SOIL

Method: USDA

Prep Method:

Date Prepared: 5/8/09
 Date Analyzed: 5/11/09

Dilution Factor: 1
 Lab Fraction ID: 09-2986-01A

Analytes	CAS Number	Result	LQL	Units
Sodium-Adsorption-Ratio		3.6	0.10	ratio



Analyst



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 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: 5/14/2009

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
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Client Sample ID State
Client Project ID State
Date Collected: 4/29/09 1700
Date Received: 4/30/09

Lab Work Order 09-2986
Lab Sample ID: 09-2986-01
Sample Matrix: Soil

SPECIFIC CONDUCTANCE @ 25°C

Method: Dept of Ag.

Prep Method:

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

Date Prepared: 5/6/09

Lab File ID: 526

Dilution Factor: 1

Date Analyzed: 5/7/09

Lab Fraction ID: 09-2986-01A

Analytes	CAS Number	Result	LQL	Units
Specific Conductance		2160	1.00	µmhos/cm

PH

Method: SW9045C

Prep Method:

Date Prepared: 4/30/09

Dilution Factor: 1

Date Analyzed: 4/30/09 1525

Lab Fraction ID: 09-2986-01A

Analytes	CAS Number	Result	LQL	Units
pH		9.20	1.00	pH Units



Analyst



Approved

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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: 5/11/2009

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Evergreen Analytical, Inc.

Date: 07-May-09

Work Order: 09-2986

Client Project ID: State

ANALYTICAL QC SUMMARY REPORT

TestCode: 418.1_S

Sample ID: LCS	SampleType: LCS	TestCode: 418.1_S	Run ID: FTIR_090507A	Prep Date: 5/7/2009	Units: mg/kg
	Batch ID: R47008	TestNo: E418.1	FileID: 48	Analysis Date: 5/7/2009	SeqNo: 835115
Analyte	Result	LOL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
TRPH	61.86	20	56.7	0	109 70 130 0 0
Sample ID: 09-2986-01ADU	SampleType: DUP	TestCode: 418.1_S	Run ID: FTIR_090507A	Prep Date: 5/7/2009	Units: mg/kg
Client ID: State	Batch ID: R47008	TestNo: E418.1	FileID: 50	Analysis Date: 5/7/2009	SeqNo: 835117
Analyte	Result	LOL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
TRPH	U	20	0	0	0 0 0 0 0 40

Qualifiers:

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 S - Spike Recovery outside acceptance limits
 F - 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

Evergreen Analytical, Inc.

Date: 14-May-09

Work Order: 09-2986
Client Project ID: Static

ANALYTICAL QC SUMMARY REPORT

BatchID: 19067

Sample ID: MB-19067											
Sample Type: MBLK		TestCode: 200.7_T		Run ID: ICP-OPTIMA 5300 DV_090511A		Prep Date: 5/6/2009		Unit: mg/L			
Batch ID: 19067		TestNo: E200.7, Rev.		FileID: 061109AM		Analysis Date: 5/11/2009		SeqNo: 537472			
Analyte	Result	LOL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPD Limit	Qual

Calcium	0	0.387									
Magnesium	0	0.150									
Sodium	0	0.400									

Sample ID: LCB-19067	Sample Type: LCS	TestCode: 200.7_T	Run ID: ICP-OPTIMA 5300 DV_090511A	Prep Date: 5/6/2009	Unit: mg/L						
Batch ID: 19067	TestNo: E200.7, Rev.	FileID: 061109AM	Analysis Date: 5/11/2009	SeqNo: 537473							
Analyte	Result	LOL	SPK value	SPK Ref Val	%REC	LowLimit	HgHLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Calcium	9.752	0.387	10	0	97.6	85	115	0	0		
Magnesium	10.02	0.150	10	0	100	85	115	0	0		
Sodium	11.15	0.400	10	0	112	85	115	0	0		

Sample ID: 09-3237-QS4MMS		Sample Type: MS	TestCode: 200.7_T	Run ID: ICP-OPTIMA 5300 DV_090511A	Prep Date: 5/6/2009	Unit: mg/L					
Batch ID: 19067		TestNo: E200.7, Rev.	FileID: 061109AM	Analysis Date: 5/11/2009		SeqNo: 831478					
Analyte	Result	LOL	SPK value	SPK Ref Val	%REC	LowLimit	HgHLimit	RPD Ref Val	%RPD	RPD Limit	Qual

Calcium	32.71	0.430	11.11	21.97	86.7	75	125	0	0		
Magnesium	14.84	0.167	11.11	3.85	98.9	75	125	0	0		
Sodium	26.2	0.444	11.11	13.98	110	75	125	0	0		

Sample ID: 09-3237-QS4MMSD	Sample Type: MSD	TestCode: 200.7_T	Run ID: ICP-OPTIMA 5300 DV_090511A	Prep Date: 5/6/2009	Units: mg/L						
Batch ID: 19067	TestNo: E200.7, Rev.	FileID: 061109AM	Analysis Date: 5/11/2009		SeqNo: 537475						
Analyte	Result	LOL	SPK value	SPK Ref Val	%REC	LowLimit	HgHLimit	RPD Ref Val	%RPD	RPD Limit	Qual

Calcium	32.48	0.430	11.11	21.97	84.6	75	125	32.71	0.701	20	
Magnesium	14.89	0.167	11.11	3.85	97.8	75	125	14.84	0.989	20	
Sodium	26	0.444	11.11	13.98	108	75	125	26.2	0.763	20	

Qualifiers:

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

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Evergreen Analytical, Inc.

Date: 11-May-09

Work Order: 09-2986
 Client Project ID State

ANALYTICAL QC SUMMARY REPORT

TestCode: COND_S

Sample ID: LCS	Sample Type: LCS	TestCode: COND_S	Run ID: COND_090607A	Prep Date: 5/7/2009	Units: µmhos/cm
	Batch ID: R47011	TestNo: Dept of Ag.	Field: 206	Analysis Date: 5/7/2009	SeqNo: 836216
Analyte	Result	LOL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Specific Conductance	10040	1.00	9891	0	100 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

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Work Order: 09-2986
Client Project ID State

ANALYTICAL QC SUMMARY REPORT

TestCode: PH_S

Sample ID: LCS-R46864	Sample Type: LCS	TestCode: PH_S	Run ID: PH_090430H	Prep Date: 4/30/2009	Units: pH Units
Batch ID: R46864	TestNo: SWS045C	Field:	Analysis Date: 4/30/2009	SeqNo: 022395	
Analyte	Result	LQ	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
pH	7.99	1.00	8	0	99.9 99.3 100.7 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