

WORK ORDER Summary**Evergreen Analytical, Inc.****08-5950****Rpt To:** Ray Gorka**Email To:** rgorka@kpk.com

K.P.Kauffman

8/13/2008 4:39:07 PM

1675 Broadway, Suite 2800

Client Project ID:

Denver, CO 80202

QC Level: Level I

(303) 825-4822

Comments

Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Test Code	Test Name	Hold	MS	Date Due	Hold Time
08-5950-01A	Buried Water Pit 1	Soil	8/13/08 1225	8/13/08	418.1_S	418.1: Total Recoverable Petroleum Hydrocarbons	<input type="checkbox"/>	<input type="checkbox"/>	8/19/08	9/10/08
08-5950-02A	Buried Water Pit 2	Soil	8/13/08 1228	8/13/08	418.1_S	418.1: Total Recoverable Petroleum Hydrocarbons	<input type="checkbox"/>	<input type="checkbox"/>	8/19/08	9/10/08
08-5950-03A	Buried Water Pit 3	Soil	8/13/08 1255	8/13/08	418.1_S	418.1: Total Recoverable Petroleum Hydrocarbons	<input type="checkbox"/>	<input type="checkbox"/>	8/19/08	9/10/08
08-5950-04A	Buried Water Pit 4	Soil	8/13/08 1258	8/13/08	418.1_S	418.1: Total Recoverable Petroleum Hydrocarbons	<input type="checkbox"/>	<input type="checkbox"/>	8/19/08	9/10/08
08-5950-05A	Buried Water Pit 5	Soil	8/13/08 1300	8/13/08	6010_D*	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	8/19/08	2/09/09
08-5950-05A	Buried Water Pit 5	Soil	8/13/08 1300	8/13/08	COND_S	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	8/19/08	9/10/08
08-5950-05A	Buried Water Pit 5	Soil	8/13/08 1300	8/13/08	PH_S	9045C: pH	<input type="checkbox"/>	<input type="checkbox"/>	8/19/08	8/14/08
08-5950-05A	Buried Water Pit 5	Soil	8/13/08 1300	8/13/08	SAR_S	Sodium Adsorption Ratio, Soil Leachate	<input type="checkbox"/>	<input type="checkbox"/>	8/19/08	2/09/09

Evergreen Analytical, Inc.

Date: 19-Aug-08

Lab Order: 08-5950

Client Project ID

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 1.1 °C.
Sample(s) were received in good condition, in the proper container, and within holding times. NJO

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. CMS

CLIENT SERVICES

There are no anomalies to report. EKH

GENERAL CHEMISTRY

There are no anomalies to report. MM

OIL AND GREASE/TRPH ANALYSIS

Method 418.1_S: There are no anomalies to report. JT

METALS ANALYSIS

SAR : There are no anomalies to report. WKH

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

Client Project ID
Date Received: 8/13/08

Lab Order: 08-5950
Date Prepared: 8/18/08
Units: mg/Kg

Total Recoverable Petroleum Hydrocarbons
TRPH

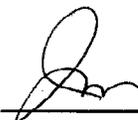
Method: E418.1

Prep Method:

Lab ID	Client ID	Matrix	Date Collected	Date Analyzed	Results	LQL	DF
08-5950-01A	Buried Water Pit 1	Soil	8/13/08	8/18/08	26	5.0	0.9993
08-5950-02A	Buried Water Pit 2	Soil	8/13/08	8/18/08	U	5.0	0.9977
08-5950-03A	Buried Water Pit 3	Soil	8/13/08	8/18/08	U	5.0	0.9997
08-5950-04A	Buried Water Pit 4	Soil	8/13/08	8/18/08	U	5.0	1



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: 8/18/2008

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

Client Sample ID: Buried Water Pit 5
Client Project ID:
Date Collected: 8/13/08
Date Received: 8/13/08

Lab Work Order: 08-5950
Lab Sample ID: 08-5950-05
Sample Matrix: Soil

DISSOLVED METALS

Method: SW6010B

Prep Method: E200.7/SW3010A

Date Prepared: 8/14/08
Date Analyzed: 8/19/08

Lab File ID: 081908AM
Method Blank: MB-16358

Dilution Factor: 1
Lab Fraction ID: 08-5950-05A

Analytes	CAS Number	Result	LQL	Units
Calcium	7440-70-2	540	1.9	mg/L
Magnesium	7439-95-4	250	0.75	mg/L
Sodium	7440-23-5	250	2.0	mg/L

SODIUM ADSORPTION RATIO, SOIL

Method: USDA

Prep Method:

Date Prepared: 8/14/08
Date Analyzed: 8/19/08

Dilution Factor: 1
Lab Fraction ID: 08-5950-05A

Analytes	CAS Number	Result	LQL	Units
Sodium-Adsorption-Ratio		2.2	0.10	ratio



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 * - 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

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: Buried Water Pit 5
Client Project ID:
Date Collected: 8/13/08 1300
Date Received: 8/13/08

Lab Work Order: 08-5950
Lab Sample ID: 08-5950-05
Sample Matrix: Soil

SPECIFIC CONDUCTANCE @ 25°C

Method: Dept of Ag.

Prep Method:

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

Date Prepared: 8/14/08
Date Analyzed: 8/18/08

Lab File ID: 53

Dilution Factor: 1
Lab Fraction ID: 08-5950-05A

Analytes	CAS Number	Result	LQL	Units
Specific Conductance		4170	1.00	µmhos/cm

PH

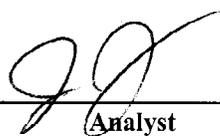
Method: SW9045C

Prep Method:

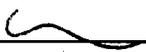
Date Prepared: 8/14/08
Date Analyzed: 8/14/08 0855

Dilution Factor: 1
Lab Fraction ID: 08-5950-05A

Analytes	CAS Number	Result	LQL	Units
pH		9.14	1.00	pH Units



Analyst



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Definitions: NA - Not Applicable
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QUALITY ASSURANCE REPORTS

METHOD BLANKS (MB)

LABORATORY CONTROL SPIKES (LCS)

MATRIX SPIKES (MS/MSD)*

DUPLICATES (DUP)*

* For Metals or Wet Chemistry analyses: only included if requested.

Evergreen Analytical, Inc.

Date: 18-Aug-08

Work Order: 08-5950

Client Project ID:

ANALYTICAL QC SUMMARY REPORT

TestCode: 418.1_S

Sample ID: LCS	SampType: LCS	TestCode: 418.1_S	Run ID: FTIR_080818A	Prep Date: 8/18/2008	Units: mg/Kg						
	Batch ID: R41364	TestNo: E418.1	FileID: 48	Analysis Date: 8/18/2008	SeqNo: 727221						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TRPH	52.99	5.0	56.7	0	93.5	70	130	0	0		
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Sample ID: 08-5918-01B-DUP	SampType: DUP	TestCode: 418.1_S	Run ID: FTIR_080818A	Prep Date: 8/18/2008	Units: mg/Kg						
	Batch ID: R41364	TestNo: E418.1	FileID: 50	Analysis Date: 8/18/2008	SeqNo: 727223						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TRPH	U	5.0	0	0	0	0	0	0	0	40	
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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

Evergreen Analytical, Inc.

Date: 19-Aug-08

Work Order: 08-5950

Client Project ID:

ANALYTICAL QC SUMMARY REPORT

BatchID: 16358

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	0	0.387									
Magnesium	0	0.150									
Sodium	0	0.400									

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	10.93	0.387	10	0	109	74	120	0	0		
Magnesium	10.44	0.150	10	0	104	76.7	120	0	0		
Sodium	10.99	0.400	10	0	110	80	120	0	0		

Qualifiers:

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 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

Evergreen Analytical, Inc.

Date: 18-Aug-08

Work Order: 08-5950

Client Project ID:

ANALYTICAL QC SUMMARY REPORT

TestCode: COND_S

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Conductance	9960	1.00	9934	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

Work Order: 08-5950

Client Project ID:

ANALYTICAL QC SUMMARY REPORT

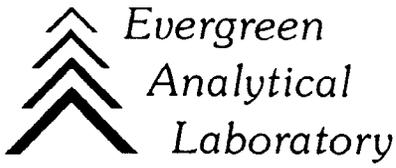
TestCode: PH_S

Sample ID	LCS-R41271	SampType: LCS	TestCode: PH_S	Run ID: PH_080814A	Prep Date: 8/14/2008	Units: pH Units					
		Batch ID: R41271	TestNo: SW9045C	FileID:	Analysis Date: 8/14/2008	SeqNo: 725560					
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.96	1.00	8	0	99.5	99.3	100.7	0	0		

Qualifiers:

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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



August 19, 2008

Ray Gorka
K.P. Kauffman
1675 Broadway, Suite 2800
Denver, CO 80202

Lab Work Order: 08-5950
Client Project ID:

Dear Ray Gorka:

Enclosed are the analytical results for the samples shown in the Laboratory Work Order Summary. The invoice is included with this report or has been mailed to another party as indicated on the chain of custody.

The enclosed data for testing performed at Evergreen Analytical Laboratory (EAL) have been reviewed for quality assurance. A case narrative is included to describe any anomalies associated with the samples or data.

EAL will dispose of all samples one month from the date of this letter. If you want samples returned, please advise us by mail or fax as soon as possible.

A copy of this project report and supporting data will be retained for a period of five years unless we are otherwise advised by you. A document retrieval charge will apply.

Thank you for using the services of Evergreen Analytical. If you have any questions concerning the analytical data, please contact me. Please direct other questions to Client Services.

Sincerely,

A handwritten signature in cursive script that reads "Carl Smits".

Kaprie Hollman/Carl Smits
Quality Assurance
khollman@evergreenanalytical.com