

WORK ORDER Summary**Evergreen Analytical, Inc.****08-5822****Rpt To:** Ray Gorka**Email To:** rgorka@kpk.com

8/11/2008 4:54:45 PM

K.P.Kauffman

1675 Broadway, Suite 2800

Denver, CO 80202

(303) 825-4822

Client Project ID: 2-26**QC Level:** Level I**Comments**

Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Test Code	Test Name	Hold	MS	Date Due	Hold Time
08-5822-01A	1 North Wall	Soil	8/11/08 1006	8/11/08	418.1_S	418.1: Total Recoverable Petroleum Hydrocarbons	<input type="checkbox"/>	<input type="checkbox"/>	8/15/08	9/08/08
08-5822-02A	2 South Wall	Soil	8/11/08 1016	8/11/08	418.1_S	418.1: Total Recoverable Petroleum Hydrocarbons	<input type="checkbox"/>	<input type="checkbox"/>	8/15/08	9/08/08
08-5822-03A	3 East Wall	Soil	8/11/08 1019	8/11/08	418.1_S	418.1: Total Recoverable Petroleum Hydrocarbons	<input type="checkbox"/>	<input type="checkbox"/>	8/15/08	9/08/08
08-5822-04A	4 West Wall	Soil	8/11/08 1029	8/11/08	418.1_S	418.1: Total Recoverable Petroleum Hydrocarbons	<input type="checkbox"/>	<input type="checkbox"/>	8/15/08	9/08/08
08-5822-05A	5 Bottom of Hole	Soil	8/11/08 1031	8/11/08	418.1_S	418.1: Total Recoverable Petroleum Hydrocarbons	<input type="checkbox"/>	<input type="checkbox"/>	8/15/08	9/08/08
08-5822-06A	6 Composite	Soil	8/11/08 1045	8/11/08	6010_D*	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	8/15/08	2/07/09
08-5822-06A	6 Composite	Soil	8/11/08 1045	8/11/08	COND_S	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	8/15/08	9/08/08
08-5822-06A	6 Composite	Soil	8/11/08 1045	8/11/08	PH_S	9045C: pH	<input type="checkbox"/>	<input type="checkbox"/>	8/15/08	8/12/08
08-5822-06A	6 Composite	Soil	8/11/08 1045	8/11/08	SAR_S	Sodium Adsorption Ratio, Soil Leachate	<input type="checkbox"/>	<input type="checkbox"/>	8/15/08	2/07/09
08-5822-07A	7 Buried Pit NW	Soil	8/11/08 1129	8/11/08	418.1_S	418.1: Total Recoverable Petroleum Hydrocarbons	<input type="checkbox"/>	<input type="checkbox"/>	8/15/08	9/08/08
08-5822-08A	8 Buried Pit E Wall	Soil	8/11/08 1133	8/11/08	418.1_S	418.1: Total Recoverable Petroleum Hydrocarbons	<input type="checkbox"/>	<input type="checkbox"/>	8/15/08	9/08/08
08-5822-09A	9 Buried Pit SW	Soil	8/11/08 1145	8/11/08	418.1_S	418.1: Total Recoverable Petroleum Hydrocarbons	<input type="checkbox"/>	<input type="checkbox"/>	8/15/08	9/08/08

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

Client Project ID 2-26
Date Received: 8/11/08

Lab Order: 08-5822
Date Prepared: 8/12/08
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
08-5822-01A	1 North Wall	Soil	8/11/08	8/13/08	76	5.0	0.9967
08-5822-02A	2 South Wall	Soil	8/11/08	8/13/08	14	5.0	0.9983
08-5822-03A	3 East Wall	Soil	8/11/08	8/13/08	81	5.0	0.9993
08-5822-04A	4 West Wall	Soil	8/11/08	8/13/08	320	25	4.9801
08-5822-05A	5 Bottom of Hole	Soil	8/11/08	8/13/08	24	5.0	0.9967
08-5822-07A	7 Buried Pit NW	Soil	8/11/08	8/13/08	39	5.0	0.997
08-5822-08A	8 Buried Pit E Wall	Soil	8/11/08	8/13/08	69	5.0	0.9997
08-5822-09A	9 Buried Pit SW	Soil	8/11/08	8/13/08	U	5.0	0.997



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: 8/13/2008

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

Client Sample ID: 6 Composite
Client Project ID: 2-26
Date Collected: 8/11/08
Date Received: 8/11/08

Lab Work Order: 08-5822
Lab Sample ID: 08-5822-06
Sample Matrix: Soil

DISSOLVED METALS

Method: SW6010B

Prep Method: E200.7/SW3010A

Date Prepared: 8/12/08
Date Analyzed: 8/14/08

Lab File ID: 081308Dy
Method Blank: MB-16344

Dilution Factor: 1
Lab Fraction ID: 08-5822-06A

Analytes	CAS Number	Result	LQL	Units
Calcium	7440-70-2	230	1.9	mg/L
Magnesium	7439-95-4	17	0.75	mg/L
Sodium	7440-23-5	3500	2.0	mg/L

SODIUM ADSORPTION RATIO, SOIL

Method: USDA

Prep Method:

Date Prepared: 8/12/08
Date Analyzed: 8/14/08

Dilution Factor: 1
Lab Fraction ID: 08-5822-06A

Analytes	CAS Number	Result	LQL	Units
Sodium-Adsorption-Ratio		60	0.10	ratio

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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: 8/15/2008

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: 6 Composite
Client Project ID: 2-26
Date Collected: 8/11/08 1045
Date Received: 8/11/08

Lab Work Order: 08-5822
Lab Sample ID: 08-5822-06
Sample Matrix: Soil

SPECIFIC CONDUCTANCE @ 25°C

Method: Dept of Ag.

Prep Method:

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

Date Prepared: 8/12/08

Lab File ID: 52

Dilution Factor: 1

Date Analyzed: 8/14/08

Lab Fraction ID: 08-5822-06A

Analytes	CAS Number	Result	LQL	Units
Specific Conductance		14500	1.00	µmhos/cm

PH

Method: SW9045C

Prep Method:

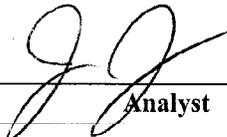
Date Prepared: 8/12/08

Dilution Factor: 1

Date Analyzed: 8/12/08 0850

Lab Fraction ID: 08-5822-06A

Analytes	CAS Number	Result	LQL	Units
pH		9.26	1.00	pH Units



Analyst



Approved

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

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: 13-Aug-08

Work Order: 08-5822
 Client Project ID: 2-26

ANALYTICAL QC SUMMARY REPORT

TestCode: 418.1_S

Sample ID: LCS	SampType: LCS	TestCode: 418.1_S	Run ID: FTIR_080813A	Prep Date: 8/12/2008	Units: mg/Kg
	Batch ID: R41244	TestNo: E418.1	FileID: 48	Analysis Date: 8/13/2008	SeqNo: 725016
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

TRPH	56.92	5.0	56.7	0	100	70	130	0	0
Sample ID: 08-5822-01A-DUP	SampType: DUP	TestCode: 418.1_S	Run ID: FTIR_080813A	Prep Date: 8/12/2008	Units: mg/Kg				
Client ID: 1 North Wall	Batch ID: R41244	TestNo: E418.1	FileID: 51	Analysis Date: 8/13/2008	SeqNo: 725018				
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual				

TRPH	87.05	5.0	0	0	0	0	0	75.87	13.7	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 - Sec case narrative

Evergreen Analytical, Inc.

Date: 15-Aug-08

Work Order: 08-5822
 Client Project ID: 2-26

ANALYTICAL QC SUMMARY REPORT

BatchID: 16344

Sample ID: MB-16344	SampType: MBLK	TestCode: 200.7_T	Run ID: ICP-OPTIMA 5300 DV_080814A	Prep Date: 8/12/2008	Units: mg/L						
	Batch ID: 16344	TestNo: E200.7, Rev.	FileID: 081308Dy	Analysis Date: 8/14/2008	SeqNo: 725961						
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									

Sample ID: LCS-16344	SampType: LCS	TestCode: 200.7_T	Run ID: ICP-OPTIMA 5300 DV_080814A	Prep Date: 8/12/2008	Units: mg/L						
	Batch ID: 16344	TestNo: E200.7, Rev.	FileID: 081308Dy	Analysis Date: 8/14/2008	SeqNo: 725962						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	10.68	0.387	10	0	107	74	120	0	0	0	
Magnesium	10.46	0.150	10	0	105	76.7	120	0	0	0	
Sodium	10.39	0.400	10	0	104	80	120	0	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: 14-Aug-08

Work Order: 08-5822
Client Project ID: 2-26

ANALYTICAL QC SUMMARY REPORT

TestCode: COND_S

Sample ID	LCS	SampleType:	LCS	TestCode:	COND_S	Run ID:	COND_080814B	Prep Date:	8/14/2008	Units:	µmhos/cm			
		Batch ID:	R41277	TestNo:	Dept of Ag.	FieldID:	51	Analysis Date:	8/14/2008	SeqNo:	725619			
Analyte		Result		LQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Conductance		9900		1.00	9934	0		99.7	90	110	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

Work Order: 08-5822
Client Project ID: 2-26

ANALYTICAL QC SUMMARY REPORT

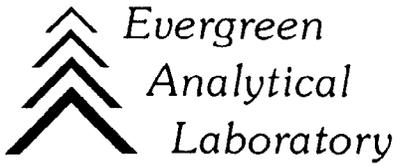
TestCode: PH_S

Sample ID	LCS-R41212	SamplType:	LCS	TestCode:	PH_S	Run ID:	PH_080812A	Prep Date:	8/12/2008	Units:	pH Units		
Batch ID:	R41212	TestNo:	SW9045C	FileID:		Analysis Date:	8/12/2008	SeqNo:	724191				
Analyte		Result		LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

pH	8	1.00	8	0	100	99.3	100.7	0	0
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- 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 15, 2008

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

Lab Work Order: 08-5822
Client Project ID: 2-26

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