

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

**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

# CHAIN OF CUSTODY RECORD / ANALYTICAL SERVICES AGREEMENT \*\*

**CLIENT INFORMATION**

Mail Original Report to: K.P. Kauffman Co.  
 Attn: Ray Gorka  
 Address: 1675 Broadway #2800  
 City: Denver State: CO Zip: 80202  
 Tel #: 303 825 4822 Fax #: \_\_\_\_\_ E-mail: rgorka@kpk.com

**Evergreen Analytical Laboratory Inc.**



4036 Youngfield St.  
 Wheat Ridge, Colorado 80033  
 (303) 425-6021  
 FAX (303) 425-6854  
 (877) 737-4521  
 info@evergreenanalytical.com

Report Results by: \_\_\_\_\_ (Date)\*  
 Standard 2 working weeks   
 UST Analyses per Fee Schedule   
 \* Rush:  less than 24 hrs, 150%  1 - 2 work days, 100%  
 3 - 5 work days, 50%  6 - 9 work days, 25%  
 \*Subject to surcharge & exceptions noted in fee schedule.

REPORT ALSO BY  FAX  PDF  EDD  
 REPORT CHROMATOGRAMS  NO

**CONFIRMATION OF SAMPLE RECEIPT REQUIRED?  YES**

Mail Invoice to: Same  
 Attn: "TONI"  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Tel #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project ID# 2-26  
 P.O. \_\_\_\_\_  
 Sampler: Ray G

**NOTE:** Identify Known Hazards Below

SAMPLE IDENTIFICATION	DATE SAMPLED	TIME
1 North wall	8-11-08	10:06
2 South wall		10:16
3 East wall		10:19
4 West wall		10:29
5 Bottom of hole		10:31
6 Composite		10:45
7 Buried Pit NW		11:29
8 Buried Pit E wall		11:33
9 Buried Pit SW		11:45
10 Buried Pit		

No. of Containers	MATRIX	ANALYSES (check analysis)															For Laboratory Use Only										
		1) Drinking Water or 2) Discharge Water or 3) Ground Water (circle one)	Solid / Air / Gas	Sludge / Wipe	TCLP VOA/BNA/Pest/Herb/Metals (circle)	Volatile Organics 8260/824 (circle)	Semi-volatile Organics BNA, PAH, PNA 8270/625 (circle)	Chlorinated Pesticides 8081/608 (circle)	Organophosphorous Pesticides 8270	PCBs/8082/608/screen (circle)	Herbicides 8151	BTEX 8021/602/8260/MTBE (circle)	TYPH 8015mod. / 8260 (circle)	TEPH 8015mod. (Diesel)	Total Metals-DW / NPDES / SW846 (circle & list metals below)	Dissolved Metals - DW / SW846 (circle & list metals below)	Oil & Grease 1664 / 9071 (circle)	TRPH 418.1	Anions 300.0 (circle below)	SAR	PH	Electrical Conductivity	W.O.#	B.O.F.#			
1																									01		
2																										02	
3																										03	
4																										04	
5																										05	
6																										06	
7																										07	
8																										08	
9																										09	
10																											

Instructions:

**\*\* Important Note:** See reverse side for Terms and Conditions.

Anions: Bromide, Chloride, Nitrate, Nitrite, O-Phosphate, Sulfate (Circle)

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<u>Rg/G</u>	<u>8-11-08</u> <u>4:10pm</u>	<u>ntal</u>	<u>8/11/08</u> <u>4:10p</u>				

Lab Order: 08-5822

Client Project ID 2-26

**CASE NARRATIVE**

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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 0.3 °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. TP

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

There are no anomalies to report. TP

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**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

  
\_\_\_\_\_  
Analyst

  
\_\_\_\_\_  
Approved

Qualifiers: D - 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

**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:**

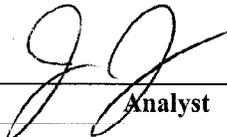
**Date Prepared:** 8/12/08

**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**

**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

# 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: <b>LCS</b>	SampType: <b>LCS</b>	TestCode: <b>418.1_S</b>	Run ID: <b>FTIR_080813A</b>	Prep Date: <b>8/12/2008</b>	Units: <b>mg/Kg</b>						
	Batch ID: <b>R41244</b>	TestNo: <b>E418.1</b>	FileID: <b>48</b>	Analysis Date: <b>8/13/2008</b>	SeqNo: <b>725016</b>						
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		
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Sample ID: <b>08-5822-01A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>418.1_S</b>	Run ID: <b>FTIR_080813A</b>	Prep Date: <b>8/12/2008</b>	Units: <b>mg/Kg</b>						
Client ID: <b>1 North Wall</b>	Batch ID: <b>R41244</b>	TestNo: <b>E418.1</b>	FileID: <b>51</b>	Analysis Date: <b>8/13/2008</b>	SeqNo: <b>725018</b>						
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 - See 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: <b>MB-16344</b>	SampType: <b>MBLK</b>	TestCode: <b>200.7_T</b>	Run ID: <b>ICP-OPTIMA 5300 DV_080814A</b>	Prep Date: <b>8/12/2008</b>	Units: <b>mg/L</b>						
	Batch ID: <b>16344</b>	TestNo: <b>E200.7, Rev.</b>	FileID: <b>081308Dy</b>	Analysis Date: <b>8/14/2008</b>	SeqNo: <b>725961</b>						
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: <b>LCS-16344</b>	SampType: <b>LCS</b>	TestCode: <b>200.7_T</b>	Run ID: <b>ICP-OPTIMA 5300 DV_080814A</b>	Prep Date: <b>8/12/2008</b>	Units: <b>mg/L</b>						
	Batch ID: <b>16344</b>	TestNo: <b>E200.7, Rev.</b>	FileID: <b>081308Dy</b>	Analysis Date: <b>8/14/2008</b>	SeqNo: <b>725962</b>						
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		
Magnesium	10.46	0.150	10	0	105	76.7	120	0	0		
Sodium	10.39	0.400	10	0	104	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

Evergreen Analytical, Inc.

Date: 14-Aug-08

Work Order: 08-5822

Client Project ID: 2-26

**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	9900	1.00	9934	0	99.7	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: 08-5822

Client Project ID: 2-26

## ANALYTICAL QC SUMMARY REPORT

TestCode: PH\_S

Sample ID	LCS-R41212	SampType:	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		

## 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