

August 14, 2008

Dave Peterson
Diamond Operating
6680 Gunpark Drive, Suite 100
Boulder, CO 80301

Lab Work Order: 08-5476
Client Project ID: Witham

Dear Dave Peterson:

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.

08-5476

Rpt To: Dave Peterson

Fax To: Dave Peterson

FX: (303) 494-3931

Diamond Operating

6680 Gunpark Drive, Suite 100

Boulder, CO 80301

(303) 494-4420

7/31/2008 11:08:21 AM

Client Project ID: Witham

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
08-5476-01A	Witham Skim Pit #1	Soil	7/28/08 0900	7/31/08	PH_S	9045C: pH	<input type="checkbox"/>	<input type="checkbox"/>	8/14/08	7/29/08
08-5476-01A	Witham Skim Pit #1	Soil	7/28/08 0900	7/31/08	TEH_S *	8015: TEH-Diesel	<input type="checkbox"/>	<input type="checkbox"/>	8/05/08	8/11/08
08-5476-01B	Witham Skim Pit #1	Soil	7/28/08 0900	7/31/08	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	8/14/08	1/24/09
08-5476-01B	Witham Skim Pit #1	Soil	7/28/08 0900	7/31/08	COND_S	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	8/14/08	8/25/08
08-5476-01B	Witham Skim Pit #1	Soil	7/28/08 0900	7/31/08	SAR_S	Sodium Adsorption Ratio, Soil Leachate	<input type="checkbox"/>	<input type="checkbox"/>	8/14/08	1/24/09
08-5476-02A	Witham Open Pit #1 Base	Soil	7/28/08 0900	7/31/08	PH_S	9045C: pH	<input type="checkbox"/>	<input type="checkbox"/>	8/14/08	7/29/08
08-5476-02A	Witham Open Pit #1 Base	Soil	7/28/08 0900	7/31/08	TEH_S *	8015: TEH-Diesel	<input type="checkbox"/>	<input type="checkbox"/>	8/05/08	8/11/08
08-5476-02B	Witham Open Pit #1 Base	Soil	7/28/08 0900	7/31/08	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	8/14/08	1/24/09
08-5476-02B	Witham Open Pit #1 Base	Soil	7/28/08 0900	7/31/08	COND_S	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	8/14/08	8/25/08
08-5476-02B	Witham Open Pit #1 Base	Soil	7/28/08 0900	7/31/08	SAR_S	Sodium Adsorption Ratio, Soil Leachate	<input type="checkbox"/>	<input type="checkbox"/>	8/14/08	1/24/09
08-5476-03A	Witham Open Pit #2 Base	Soil	7/28/08 0900	7/31/08	PH_S	9045C: pH	<input type="checkbox"/>	<input type="checkbox"/>	8/14/08	7/29/08
08-5476-03A	Witham Open Pit #2 Base	Soil	7/28/08 0900	7/31/08	TEH_S *	8015: TEH-Diesel	<input type="checkbox"/>	<input type="checkbox"/>	8/05/08	8/11/08
08-5476-03B	Witham Open Pit #2 Base	Soil	7/28/08 0900	7/31/08	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	8/14/08	1/24/09
08-5476-03B	Witham Open Pit #2 Base	Soil	7/28/08 0900	7/31/08	COND_S	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	8/14/08	8/25/08
08-5476-03B	Witham Open Pit #2 Base	Soil	7/28/08 0900	7/31/08	SAR_S	Sodium Adsorption Ratio, Soil Leachate	<input type="checkbox"/>	<input type="checkbox"/>	8/14/08	1/24/09
08-5476-04A	Witham Open Pit #3 Side	Soil	7/28/08 0900	7/31/08	PH_S	9045C: pH	<input type="checkbox"/>	<input type="checkbox"/>	8/14/08	7/29/08
08-5476-04A	Witham Open Pit #3 Side	Soil	7/28/08 0900	7/31/08	TEH_S *	8015: TEH-Diesel	<input type="checkbox"/>	<input type="checkbox"/>	8/05/08	8/11/08
08-5476-04B	Witham Open Pit #3 Side	Soil	7/28/08 0900	7/31/08	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	8/14/08	1/24/09
08-5476-04B	Witham Open Pit #3 Side	Soil	7/28/08 0900	7/31/08	COND_S	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	8/14/08	8/25/08
08-5476-04B	Witham Open Pit #3 Side	Soil	7/28/08 0900	7/31/08	SAR_S	Sodium Adsorption Ratio, Soil Leachate	<input type="checkbox"/>	<input type="checkbox"/>	8/14/08	1/24/09

Definitions: * - Test Code has a Select List

Evergreen Analytical Laboratory Inc.

Report Results by: _____ (Date)*

Standard 2 working weeks ☐

UST Analyses per Fee Schedule ☐

* Rush: ☐ less than 24 hrs, 150% ☐ 1 - 2 work days, 100%
☐ 2 - 5 work days, 50% ☐ 5 - 8 work days, 95%

*Subject to surcharge & exceptions noted in fee schedule

Evergreen Analytical, Inc.

Date: 14-Aug-08

Lab Order: 08-5476

Client Project ID Witham

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, which is above the CDPHE required 6 degrees Celcius or lower.

Sample(s) were received in good condition and in the proper container.

The pH samples were received out of holding time. 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. EKH

GENERAL CHEMISTRY

The pH samples were received and analyzed out of holding time (H). There are no other anomalies to report. MM/TP

METALS ANALYSIS

There are no anomalies to report. WKH

GAS CHROMATOGRAPHY

Method TEH_S: There are no anomalies to report. MDS

Evergreen Analytical, Inc.

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

Client Project ID Witham

Lab Order: 08-5476
Units: pH Units

pH

Method: SW9045C

Prep Method: SW9045C

Lab ID	Client ID	Matrix	Date Received	Collection Date	Date Prepared	Date Analyzed	Results	LQL	DF
08-5476-01A	Witham Skim Pit #1	Soil	7/31/08	7/28/08 0900	7/31/08	7/31/08 1205	9.88 H	1.00	1
08-5476-02A	Witham Open Pit #1	Soil	7/31/08	7/28/08 0900	7/31/08	7/31/08 1205	10.26 H	1.00	1
08-5476-03A	Base Witham Open Pit #2	Soil	7/31/08	7/28/08 0900	7/31/08	7/31/08 1205	9.12 H	1.00	1
08-5476-04A	Base Witham Open Pit #3 Side	Soil	7/31/08	7/28/08 0900	7/31/08	7/31/08 1205	9.90 H	1.00	1

Comments:

Analyst

Approved

Qualifiers: J - Indicates an estimated value when the compound is detected, but is below the LQL

H - Sample analysis exceeded analytical holding time

U - Compound analyzed for but not detected

X - See case narrative

*-Value exceeds Maximum Contamination Level(MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: DF - Dilution Factor

LQL - Lower Quantitation Limit

Print Date: 8/11/2008

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

Client Project ID: Witham Lab Order: 08-5476 Units: µmhos/cm

Specific Conductance @ 25°C
Specific Conductance

Method: Dept of Ag.

Prep Method: Dept of Ag.

Lab ID	Client ID	Matrix	Date Received	Collection Date	Date Prepared	Date Analyzed	Results	LQL	DF
08-5476-01B	Witham Skim Pit #1	Soil	7/31/08	7/28/08	8/7/08	8/11/08	8140	1.00	1
08-5476-02B	Witham Open Pit #1	Soil	7/31/08	7/28/08	8/7/08	8/11/08	5100	1.00	1
08-5476-03B	Base Witham Open Pit #2	Soil	7/31/08	7/28/08	8/7/08	8/11/08	29000	1.00	1
08-5476-04B	Base Witham Open Pit #3 Side	Soil	7/31/08	7/28/08	8/7/08	8/11/08	7670	1.00	1

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

Analyst

Approved

Qualifiers: J - Indicates an estimated value when the compound is detected, but is below the LQL
H - Sample analysis exceeded analytical holding time
U - Compound analyzed for but not detected
X - See case narrative
* - Value exceeds Maximum Contamination Level(MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: DF - Dilution Factor
LQL - Lower Quantitation Limit

Evergreen Analytical, Inc.

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

Lab Order: 08-5476
Client Project ID: Witham
Matrix: Soil

Date Received: 7/31/08
Date Prepared: 8/1/08
Prep Batch ID: 16239
Units: mg/Kg

Total Extractable Hydrocarbons Diesel Fuel (No. 2)

Method: SW8015B Mod

Prep Method: SW3550B

Lab ID	Client Sample ID	File ID	Date Collected	Date Analyzed	DF	Surr REC	Sample Results	LOL
08-5476-01A	Witham Skim Pit #1	FID50801\013F1301	7/28/08	8/1/08	10	59%	1100	140
08-5476-02A	Witham Open Pit #1 Base	FID50801\011F1101	7/28/08	8/1/08	1	54%	U	14
08-5476-03A	Witham Open Pit #2 Base	FID50801\010F1001	7/28/08	8/1/08	1	55%	U	14
08-5476-04A	Witham Open Pit #3 Side	FID50801\012F1201	7/28/08	8/1/08	5	64%	510	70

Surrogate QC Limits 39-130 %REC Surr: TBB

MS
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.

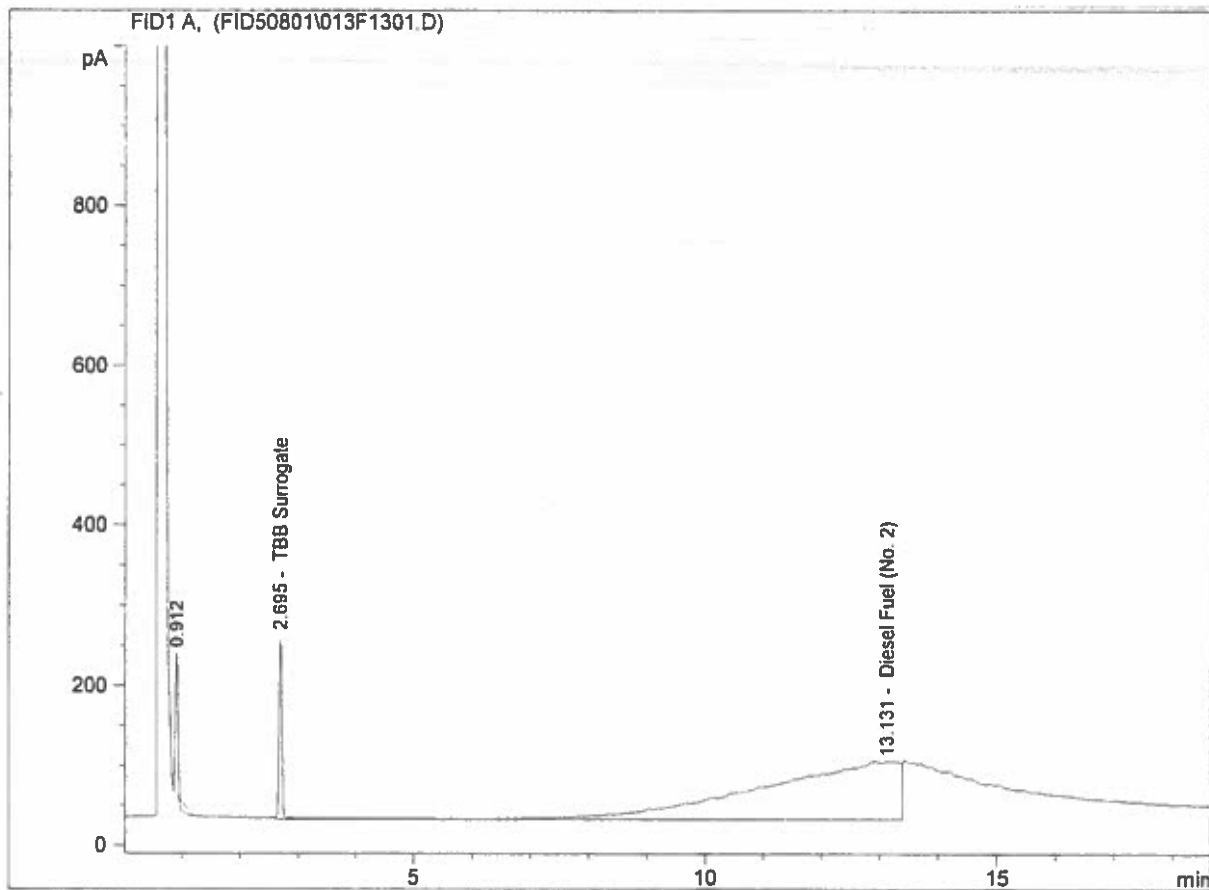
Definitions: DF - Dilution Factor

LQL - Lower Quantitation Limit

Surr - Surrogate

Print Date: 8/4/08

Injection Date : 8/1/2008 2:07:28 PM Location : Vial 13
Sample Name : 08-5476-01A Inj. No. : 1
Acq. Operator : Marcus Stephenson Inj. Vol.: 2 µl
Acq. Method : FRONTBASE.M
Analysis Method : C:\HPCHEM\1\METHODS\FID5F0429.M
Last Changed : 8/1/2008 02:32:33 pm



EAL External Standard Report

Calib. Data Mod. : 8/1/2008 02:34:06 pm
Multiplier : 1.00
Multiplier #2 : 1.00
Sample Info : SAMP TEH_S
DF=10
BATCH 16239

Exp. RT	RT [min]	Type	Area	Amount [mg/L]	Compound Name
2.700	2.695	MF	755.581	59.318	TBB Surrogate
13.000	13.131	FM	12039.117	1604.735	Diesel Fuel (No. 2)

8/4/8

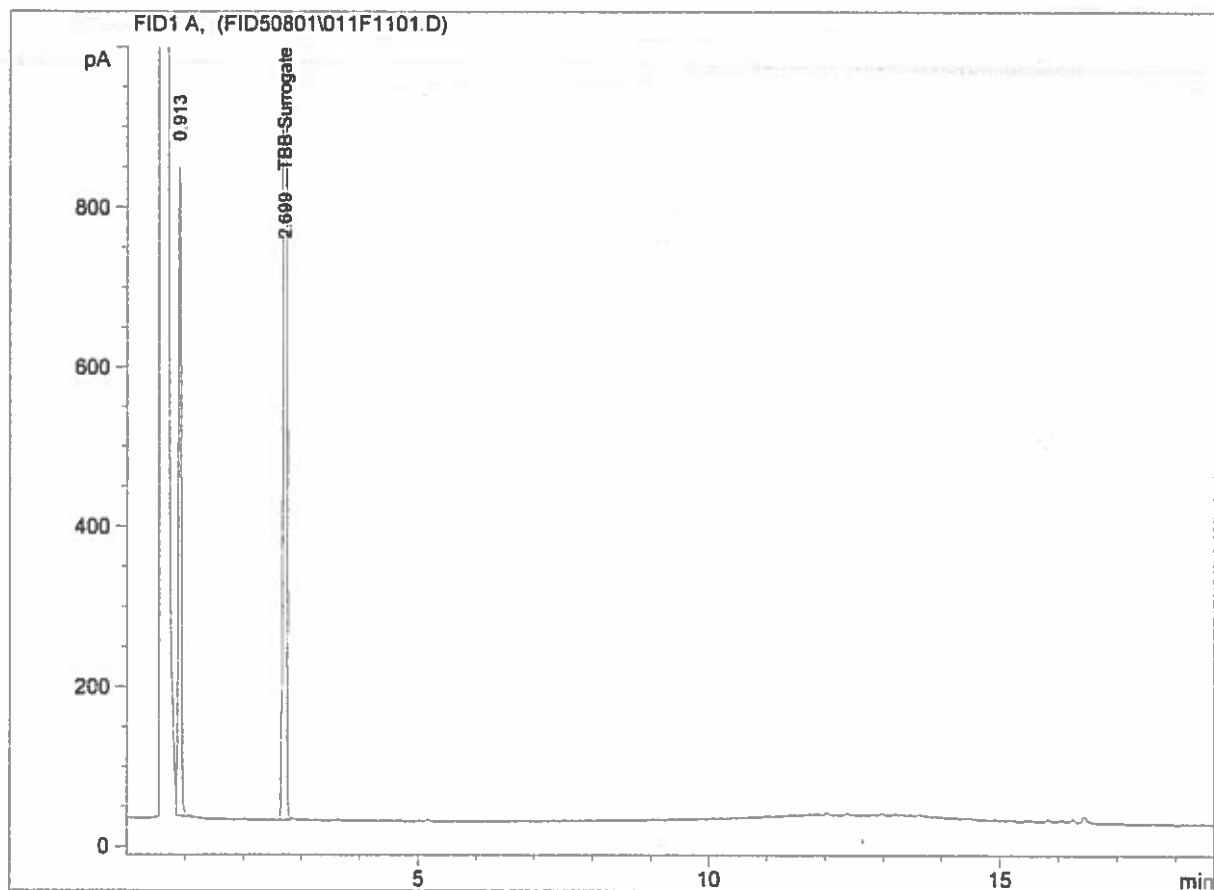
131

ms 8-1-08

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Injection Date	: 8/1/2008 1:13:21 PM	Location	: Vial 11
Sample Name	: 08-5476-02A	Inj. No.	: 1
Acq. Operator	: Marcus Stephenson	Inj. Vol.:	: 2 µl
Acq. Method	: FRONTBASE.M		
Analysis Method	: C:\HPCHEM\1\METHODS\FID5F0429.M		
Last Changed	: 8/1/2008 11:46:57 am		

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EAL External Standard Report

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Calib. Data Mod. : 8/1/2008 11:46:58 am

Multiplier : 1.00

Multiplier #2 : 1.00

Sample Info : SAMP TEH_S

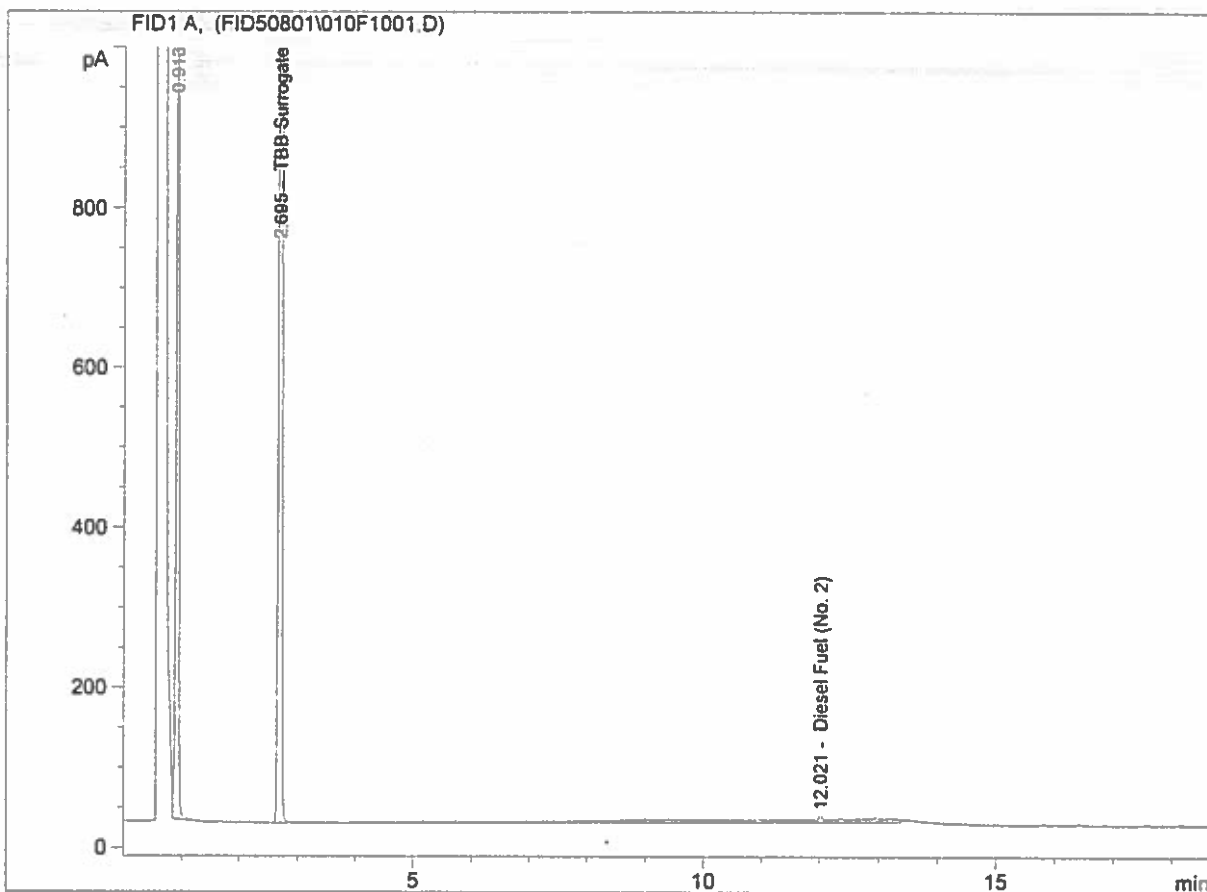
DF=1

BATCH 16239

Exp. RT	RT [min]	Type	Area	Amount [mg/L]	Compound Name
2.700	2.699	VV	7162.158	541.033	TBB Surrogate
8.100	0.000		0.000	0.000	Diesel Fuel (No. 2)

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Injection Date : 8/1/2008 12:42:17 PM Location : Vial 10
Sample Name : 08-5476-03A Inj. No. : 1
Acq. Operator : Marcus Stephenson Inj. Vol.: 2 µl
Acq. Method : FRONTBASE.M
Analysis Method : C:\HPCHEM\1\METHODS\FID5F0429.M
Last Changed : 8/1/2008 11:46:57 am



EAL External Standard Report

Calib. Data Mod. : 8/1/2008 11:46:58 am
Multiplier : 1.00
Multiplier #2 : 1.00
Sample Info : SAMP TEH_S
DF=1
BATCH 16239

Exp. RT	RT [min]	Type	Area	Amount [mg/L]	Compound Name
2.700	2.695	FM	7257.312	148.097	TBB Surrogate
8.100	12.021	FM	1313.751	195.161	Diesel Fuel (No. 2) <i>CAL</i>

8/1/8

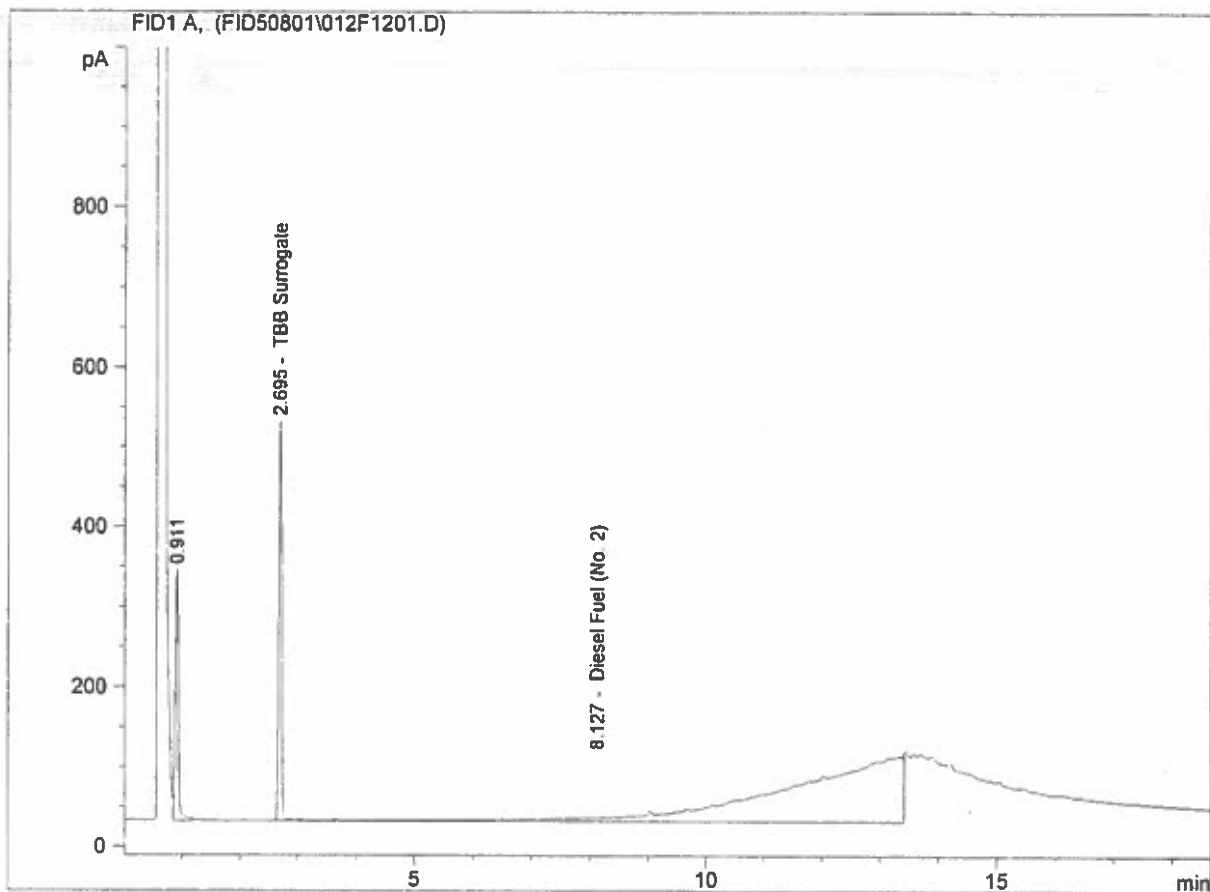
131

MA 8-1-03

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Injection Date	: 8/1/2008 1:40:23 PM	Location	: Vial 12
Sample Name	: 08-5476-04A	Inj. No.	: 1
Acq. Operator	: Marcus Stephenson	Inj. Vol.:	: 2 µl
Acq. Method	: FRONTBASE.M		
Analysis Method	: C:\HPCHEM\1\METHODS\FID5F0429.M		
Last Changed	: 8/1/2008 11:46:57 am		

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EAL External Standard Report

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Calib. Data Mod. : 8/1/2008 11:46:58 am

Multiplier : 1.00

Multiplier #2 : 1.00

Sample Info : SAMP TEH_S

DF=5

BATCH 16239

Exp. RT	RT [min]	Type	Area	Amount [mg/L]	Compound Name
2.700	2.695	VV	1654.596	✓128.165	TBB Surrogate
8.100	8.127	VBA+	11532.577	✓1540.453	Diesel Fuel (No. 2)

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011

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

Client Sample ID: Witham Skim Pit #1
Client Project ID: Witham
Date Collected: 7/28/08
Date Received: 7/31/08

Lab Work Order: 08-5476
Lab Sample ID: 08-5476-01
Sample Matrix: Soil

DISSOLVED METALS

Method: SW6010B

Prep Method: E200.7/SW3010A

Date Prepared: 8/7/08
Date Analyzed: 8/9/08

Lab File ID: 080908PM
Method Blank: MB-16297

Dilution Factor: 1
Lab Fraction ID: 08-5476-01B

Analytes	CAS Number	Result	LQL	Units
Calcium	7440-70-2	180	1.9	mg/L
Magnesium	7439-95-4	47	0.75	mg/L
Sodium	7440-23-5	1500	2.0	mg/L

SODIUM ADSORPTION RATIO, SOIL

Method: USDA

Prep Method:

Date Prepared: 8/7/08
Date Analyzed: 8/9/08

Dilution Factor: 1
Lab Fraction ID: 08-5476-01B

Analytes	CAS Number	Result	LQL	Units
Sodium-Adsorption-Ratio		26	0.10	ratio



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: 8/12/2008

218

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

Client Sample ID: Witham Open Pit #1 Base
Client Project ID: Witham
Date Collected: 7/28/08
Date Received: 7/31/08

Lab Work Order 08-5476
Lab Sample ID: 08-5476-02
Sample Matrix: Soil

DISSOLVED METALS

Method: SW6010B

Prep Method: E200.7/SW3010A

Date Prepared: 8/7/08
Date Analyzed: 8/10/08

Lab File ID: 081008DAY
Method Blank: MB-16297

Dilution Factor: 1
Lab Fraction ID: 08-5476-02B

Analytes	CAS Number	Result	LQL	Units
Calcium	7440-70-2	13	1.9	mg/L
Magnesium	7439-95-4	2.5	0.75	mg/L
Sodium	7440-23-5	1200	2.0	mg/L

SODIUM ADSORPTION RATIO, SOIL

Method: USDA

Prep Method:

Date Prepared: 8/7/08
Date Analyzed: 8/10/08

Dilution Factor: 1
Lab Fraction ID: 08-5476-02B

Analytes	CAS Number	Result	LQL	Units
Sodium-Adsorption-Ratio		80	0.10	ratio



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: 8/12/2008

S I 10

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

Client Sample ID: Witham Open Pit #2 Base
Client Project ID: Witham
Date Collected: 7/28/08
Date Received: 7/31/08

Lab Work Order 08-5476
Lab Sample ID: 08-5476-03
Sample Matrix: Soil

DISSOLVED METALS

Method: SW6010B

Prep Method: E200.7/SW3010A

Date Prepared: 8/7/08
Date Analyzed: 8/10/08

Lab File ID: 081008DAY
Method Blank: MB-16297

Dilution Factor: 1
Lab Fraction ID: 08-5476-03B

Analytes	CAS Number	Result	LQL	Units
Calcium	7440-70-2	1100	1.9	mg/L
Magnesium	7439-95-4	360	0.75	mg/L
Sodium	7440-23-5	4800	2.0	mg/L

SODIUM ADSORPTION RATIO, SOIL

Method: USDA

Prep Method:

Date Prepared: 8/7/08
Date Analyzed: 8/10/08

Dilution Factor: 1
Lab Fraction ID: 08-5476-03B

Analytes	CAS Number	Result	LQL	Units
Sodium-Adsorption-Ratio		32	0.10	ratio



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: 8/12/2008

711

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

Client Sample ID: Witham Open Pit #3 Side
Client Project ID: Witham
Date Collected: 7/28/08
Date Received: 7/31/08

Lab Work Order 08-5476
Lab Sample ID: 08-5476-04
Sample Matrix: Soil

DISSOLVED METALS

Method: SW6010B

Prep Method: E200.7/SW3010A

Date Prepared: 8/7/08
Date Analyzed: 8/10/08

Lab File ID: 081008DAY
Method Blank: MB-16297

Dilution Factor: 1
Lab Fraction ID: 08-5476-04B

Analytes	CAS Number	Result	LQL	Units
Calcium	7440-70-2	150	1.9	mg/L
Magnesium	7439-95-4	51	0.75	mg/L
Sodium	7440-23-5	1500	2.0	mg/L

SODIUM ADSORPTION RATIO, SOIL

Method: USDA

Prep Method:

Date Prepared: 8/7/08
Date Analyzed: 8/10/08

Dilution Factor: 1
Lab Fraction ID: 08-5476-04B

Analytes	CAS Number	Result	LQL	Units
Sodium-Adsorption-Ratio		27	0.10	ratio



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: 8/12/2008

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.**

Work Order: 08-5476
Client Project ID: Witham

ANALYTICAL QC SUMMARY REPORT

TestCode: PH_S

Sample ID	LCS-R40966	SamptType: LCS	TestCode: PH_S	Run ID: PH_080731B	Prep Date: 7/31/2008	Units: pH Units
	Batch ID: R40966	TestNo: SW9045C	FileID:		Analysis Date: 7/31/2008	SeqNo: 719832
Analyte	Result	LCL	SPK value	SPK Ref Val	%REC	LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

pH 7.97 1.00 8 0 99.6 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

Evergreen Analytical, Inc.

Date: 11-Aug-08

Work Order: 08-5476
Client Project ID: Wilham

ANALYTICAL QC SUMMARY REPORT

TestCode: COND_S

Sample ID	LCS	SampleType: LCS	TestCode: COND_S	Run ID: COND_080811B	Prep Date: 8/11/2008	Units: µmhos/cm					
	Batch ID: R41192	TestNo: Dept of Ag.	FieldID: 50	Analysis Date: 8/11/2008	SeqNo: 723886						
Analyte	Result	LCL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Conductance	9910	1.00	9934	0	99.8	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

Evergreen Analytical, Inc.

Date: 04-Aug-08

Work Order: 08-5476

Client Project ID: Wilham

ANALYTICAL QC SUMMARY REPORT

BatchID: 16239

Sample ID: MB-16239	Sample Type: MBLK	Test Code: TEH_S	Run ID: FID5_080801A	Prep Date: 8/1/08	Units: mg/Kg
Batch ID: 16239	Test No: SW8015B Mo	File ID: FID508011004F0401	Analysis Date: 8/1/08	Seq No: 720892	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Diesel Fuel (No. 2)	U	14			
Surr: TBB	41.39	0	66.67	0	62.1 39 130 0 0
Sample ID: LCS-16239	Sample Type: LCS	Test Code: TEH_S	Run ID: FID5_080801A	Prep Date: 8/1/08	Units: mg/Kg
Batch ID: 16239	Test No: SW8015B Mo	File ID: FID508011005F0501	Analysis Date: 8/1/08	Seq No: 720893	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Diesel Fuel (No. 2)	656.2	14	666.7	0	98.4 70 130 0 0
Surr: TBB	47.75	0	66.67	0	71.6 42 130 0 0
Sample ID: 08-5466-02BMS	Sample Type: MS	Test Code: TEH_S	Run ID: FID5_080801A	Prep Date: 8/1/08	Units: mg/Kg
Batch ID: 16239	Test No: SW8015B Mo	File ID: FID508011008F0801	Analysis Date: 8/1/08	Seq No: 720896	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Diesel Fuel (No. 2)	630.2	14	666.4	0	94.6 70 130 0 0
Surr: TBB	38.41	0	66.64	0	57.6 39 130 0 0
Sample ID: 08-5466-02BMSD	Sample Type: MSD	Test Code: TEH_S	Run ID: FID5_080801A	Prep Date: 8/1/08	Units: mg/Kg
Batch ID: 16239	Test No: SW8015B Mo	File ID: FID508011009F0901	Analysis Date: 8/1/08	Seq No: 720897	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Diesel Fuel (No. 2)	629.1	14	666.4	0	94.4 70 130 630.2 0.166 30
Surr: TBB	39.28	0	66.64	0	58.9 39 130 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: 12-Jul-08

Work Order: 08-5476

Client Project ID: Witham

ANALYTICAL QC SUMMARY REPORT

BatchID: 16297

Sample ID: MB-16297	SampleType: MBLK	TestCode: 200.7_T	Run ID: ICP-OPTIMA 5300 DV_080809A	Prep Date: 8/7/2008	Units: mg/L
	Batch ID: 16297	TestNo: E200.7, Rev.	FieldID: 080908PM	Analysis Date: 8/9/2008	SeqNo: 723441
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-16297	SampleType: LCS	TestCode: 200.7_T	Run ID: ICP-OPTIMA 5300 DV_080809A	Prep Date: 8/7/2008	Units: mg/L
	Batch ID: 16297	TestNo: E200.7, Rev.	FieldID: 080908PM	Analysis Date: 8/9/2008	SeqNo: 723442
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Calcium	10.31	0.387	10	0	103 74 120 0 0
Magnesium	10.41	0.150	10	0	104 76.7 120 0 0
Sodium	10.3	0.400	10	0	103 80 120 0 0

Qualifiers:

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 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

Diamond Operating, Inc.
Witham water pits; Washington County, CO
Comparison of soil sample analyses [before and after additional soil removal]

Sample Analysis	Skim Pit #1		Open Pit #1		Open Pits #2		Open Pit #3	
	7/28 sample	9/10 sample	7/28 sample	9/10 sample	7/28 sample	9/10 sample	7/28 sample	9/10 sample
pH	9.88		9.27	10.26	9.32	9.12	9.2	9.9
Specific conductance	8140	5260	5100	2770	29000	202	7670	3080
Calcium	180	110	13	61	1100	47	150	100
Magnesium	47	37	2.5	21	360	15	51	29
Sodium	1500	930	1200	440	4800	310	1500	450
SAR	26	20	80	12	32	10	27	10