

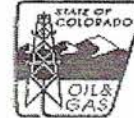


01761096

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303)894-2100 Fax:(303)894-2109



#7477

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OGCC Employee:

☐ Spill ☐ Complaint
☐ Inspection ☐ NOAV

Tracking No:

SITE INVESTIGATION AND REMEDIATION WORKPLAN

This form shall be submitted to the Director for approval prior to the initiation of site investigation and remediation activities. Form 27 is intended to be used whenever possible. Additional documentation will be required when large volumes of soil and groundwater have been impacted or involve large facilities with multiple source areas. See Rule 910. Attach as many pages as needed to fully describe the proposed work.

CAUSE OF CONDITION BEING INVESTIGATED AND REMEDIATED
☐ Spill or Release ☐ Plug & Abandon ☐ Central Facility Closure ☒ Site/Facility Closure ☐ Other (describe): PRODUCED WATER PIT CLOSURE

OGCC Operator Number: 49579

Name of Operator: L&B OIL COMPANY

Address: BOX 182

City: MERINO State: CO Zip: 80741

Contact Name and Telephone:

LESS SESSIONS

No: 970-522-7175

Fax: NA

API Number: 05-075-07468

County: LOGAN

Facility Name: STATE

Facility Number:

Well Name: STATE

Well Number: 1-30

Location: (QtrQtr, Sec, Twp, Rng, Meridian): SW NE 30-8N-53W

Latitude: 40.63302N Longitude: 103.34191W

TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc): WANT TO CLOSE PRODUCED WATER PIT

Site Conditions: Is location within a sensitive area (according to Rule 901e)? ☐ Y ☒ N If yes, attach evaluation.

Adjacent land use (cultivated, irrigated, dry land farming, industrial, residential, etc.): DRY LAND FARMING

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: SEE FORM 2A FILED WITH FORM 6

Potential receptors (water wells within 1/4 mi, surface waters, etc.): NO

Description of Impact (if previously provided, refer to that form or document):

Impacted Media (check):

☐

Soils

☐

Vegetation

☐

Groundwater

☐

Surface Water

Extent of Impact:

NO IMPACT

How Determined:

SEE ATTACHED REPORT

REMEDIAL WORKPLAN

Describe initial action taken (if previously provided, refer to that form or document):

WE NEED OK TO BACKFILL PRODUCED WATER PIT

Describe how source is to be removed:

NA

Describe how remediation of existing impacts is to be accomplished, including removal and disposal at an injection well or licensed facility, land treatment on site, removal of impacted groundwater, insitu bioremediation, burning of oily vegetation, etc.:

NA



REMEDIATION WORKPLAN (Cont.)

Tracking Number: NA - Pit Closure
Name of Operator: L & B Oil Company
OGCC Operator No: 49579
Received Date: 8/25/09
Well Name & No: State 1-30
Facility Name & No: _____

OGCC Employee: John Axelson

If groundwater has been impacted, describe proposed monitoring plan (# of wells or sample points, sampling schedule, analytical methods, etc.):

NO IMPACT

Describe reclamation plan. Discuss existing and new grade recontouring; method and testing of compaction alleviation; and reseeding program, including location of new seed, seed mix and noxious weed prevention. Attach diagram or drawing. Use additional sheet for description if required.

BACK FILL PRODUCED WATER PIT

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Attach samples and analytical results taken to verify remediation of impacts. Show locations of samples on an onsite schematic or drawing.

Is further site investigation required? ☐ Y ☒ N If yes, describe:

Final disposition of E&P waste (landtreated and disposed onsite, name of licensed disposal facility, recycling, reuse, etc.):

NA

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: _____ Date Site Investigation Completed: _____ Date Remediation Plan Submitted: _____
Remediation Start Date: _____ Anticipated Completion Date: _____ Actual Completion Date: _____

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: Les Sessions Signed: Les Sessions

Title: owner Date: 8-24-09

OGCC Approved: [Signature] Title: 8/28/09 EPS-11 Date: _____

FORM

24

Rev 2/03

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303)894-2100 Fax:(303)894-2109



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COGCC**SOIL ANALYSIS REPORT FORM**

OGCC Operator Number: <u>49579</u>	Contact Name and Telephone: <u>LES SESSIONS</u>	Complete the Attachment Checklist Oper OGCC <table border="1"> <tr> <td>Analysis</td> <td></td> <td></td> </tr> <tr> <td>Sample Location Map</td> <td></td> <td></td> </tr> </table>	Analysis			Sample Location Map		
Analysis								
Sample Location Map								
Name of Operator: <u>L&B OIL COMPANY</u>	No: <u>970-522-7175</u>							
Address: <u>BOX 182</u>	Fax: <u>NA</u>							
City: <u>MERINO</u> State: <u>CO</u> Zip: <u>80741</u>								

Source of Sample Collection: ☐ SPILL ☒ PIT ☐ WELL ☐ FLOWLINE ☐ GAS PLANT ☐ BATTERY

SAMPLE POINT INFORMATION (Sample Location Map Must Be Attached)

Date Sample(s) Taken: 4-28-09

Sample Point Description: BOTTOM PRODUCED WATER PIT

If Well, API Number: 05-085-02468 Well Name: 5448e Well Number: 1-30

QtrQtr: SW NE Section: 30 Township: 8N Range: 53W Meridian: _____

Footage From Exterior Section Lines: EAST SEC LINE 2780 FT. NORTH SEC LINE 2510 FT.

Latitude: _____ Longitude: _____ County: LOGAN

Field Name: KEY Field Number: _____

LABORATORY RESULTS☐ Initial Test Results☐ Interim Test Results☒ Final Test Results

Name of Laboratory: _____ Phone: _____

Matrix of Sample: ☒ Soil ☐ Water ☐ Soil and Water

FIELD MEASUREMENTS*See Attached Reports*

pH _____ pH unit Electrical Conductivity _____ mmhos/crr

Sodium Adsorption Ratio: _____ TDS: _____ mg/kg

LABORATORY RESULTS

pH _____ pH unit Electrical Conductivity _____ mmhos/crr

Sodium Adsorption Ratio: _____ TDS: _____ mg/kg

TPH (8015 modified): _____ mg/kg ☐ PID ☐ FID ☐ Hanby ☐ Other (check one)

TRPH (418.1): _____ mg/kg ☐ PID ☐ FID ☐ Hanby ☐ Other

BTEX (METHOD 602) Complete this section only if requested.

Benzene: _____ ug/l Ethylbenzene: _____ ug/ Toluene: _____ ug/ Xylenes: _____ ug/l

TOTAL METALS Complete this section only if requested.

Arsenic: _____ mg/kg	Barium: _____ mg/kg	Cadmium: _____ mg/kg
Chromium: _____ mg/kg	Cyanide: _____ mg/kg	Fluoride: _____ mg/kg
Lead: _____ mg/kg	Mercury: _____ mg/kg	Selenium: _____ mg/kg
Silver: _____ mg/kg		

Print Name: Les SessionsSigned: Les SessionsTitle: ownerDate: 8-24-09

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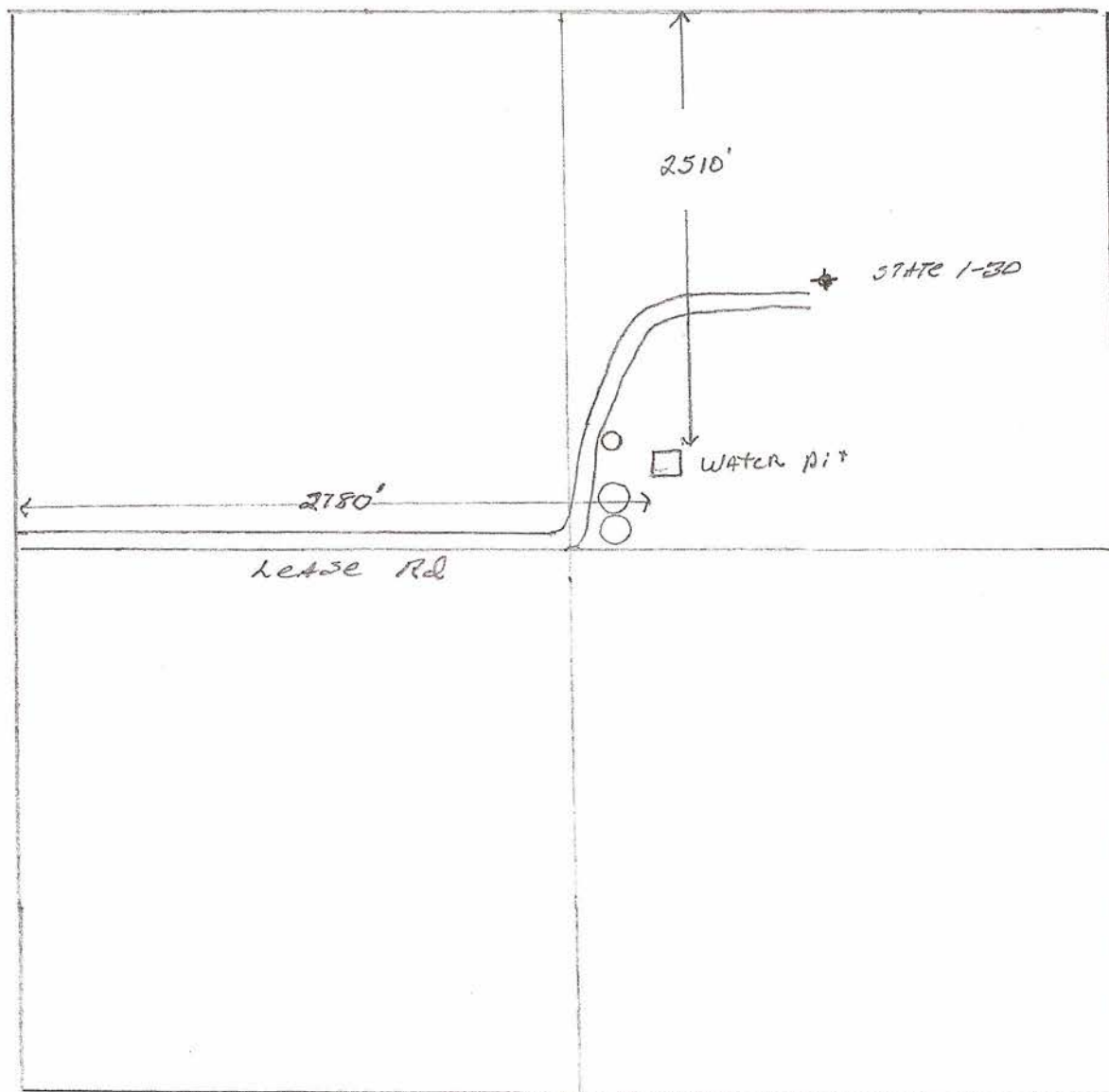
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L + B OIL CO.

STATE 1-30

SW/NE S30 8N 53W



Evergreen Analytical Laboratory Inc.

Mail Original Report to: Les Sessions Co.
Attn Les Sessions
Address P.O. Box 182
City Merino State CO Zip 80744
Tel # 970-522-7175 Fax # _____ E-mail _____



4036 Youngfield St.
Wheat Ridge, Colorado 80033
(303) 425-6021
FAX (303) 425-6854
(877) 737-4521
e-mail 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 ☐ YES

Mail Invoice to: Sent as above
Attn Diamond Operating
Address _____
City _____ State _____ Zip _____
Tel # _____ Fax # _____

Project ID#

P.O. _____ Quote _____

Sampler: Les sessions

NOTE: Identify Known Hazards Below

MATRIX

ANALYSES (check analysis)

**For Laboratory
Use Only**

W.O. # 09-2947

B.O.F. #

C/S (O) 707

C/S (I) NAJ H

Temp. °C 20.5 / Ice NSeals Present Y / ~~N~~ / NA

Samples Pres. Y / N / NA

Headspace Y / ~~N~~ / NA

By AI

SAMPLE IDENTIFICATION	DATE SAMPLED	TIME
--------------------------	-----------------	------



Bottom pit #1	4/28/09	10A
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Does this analysis involve property transfer? ☐ Yes or ☐ No

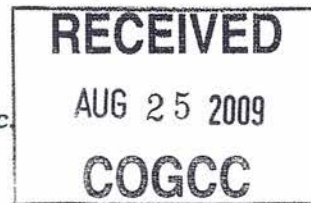
Instructions:

**** Important Note:** See reverse side hereof for terms and conditions.

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	4/29/09		4/29/09				



formerly Evergreen Analytical, Inc.



May 13, 2009

Les Sessions
L & B Oil Co
PO Box 182
Merino, CO 80741

Lab Work Order: 09-2947
Client Project ID:

Dear Les Sessions:

Enclosed are the analytical results for the samples shown in the Laboratory Work Order Summary.

The invoice will be mailed from our New Jersey office under separate cover.

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

Accutest will dispose of all samples 44 days from the sample receipt date. 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 Accutest Laboratories. If you have any questions concerning the analytical data, please contact me. Please direct other questions to Client Services.

Sincerely,

Joseph J Egry IV/ Tiffany Pham
Quality Assurance

WORK ORDER Summary**Evergreen Analytical, Inc.****09-2947**

Rpt To: Les Sessions

4/30/2009 3:42:35 PM

L & B Oil Co

Client Project ID:

PO Box 182

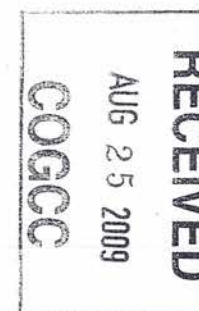
QC Level: Level I

Merino, CO 80741

(970) 522-7175

Comments:

Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Test Code	Test Name	Hold	MS	Date Due	Hold Time
09-2947-01A	Bottom Pit #1	Soil	4/28/09 1000	4/29/09	8021_S *	8021: BTEX	<input type="checkbox"/>	<input type="checkbox"/>	5/04/09	5/12/09
09-2947-01A	Bottom Pit #1	Soil	4/28/09 1000	4/29/09	TVH_S *	8015: TVH-Gasoline	<input type="checkbox"/>	<input type="checkbox"/>	5/04/09	5/12/09
09-2947-01B	Bottom Pit #1	Soil	4/28/09 1000	4/29/09	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	5/13/09	10/25/09
09-2947-01B	Bottom Pit #1	Soil	4/28/09 1000	4/29/09	COND_S	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	5/13/09	5/26/09
09-2947-01B	Bottom Pit #1	Soil	4/28/09 1000	4/29/09	PH_S	9045C: pH	<input type="checkbox"/>	<input type="checkbox"/>	5/13/09	4/29/09
09-2947-01B	Bottom Pit #1	Soil	4/28/09 1000	4/29/09	SAR_S	Sodium Adsorption Ratio, Soil Leachate	<input type="checkbox"/>	<input type="checkbox"/>	5/13/09	10/25/09
09-2947-01C	Bottom Pit #1	Soil	4/28/09 1000	4/29/09	TEH_S *	8015: TEH-Diesel	<input type="checkbox"/>	<input type="checkbox"/>	5/04/09	5/12/09



Evergreen Analytical, Inc.

Lab Order: 09-2947

Client Project ID

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Date: 13-May-09

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 20.5°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 and in the proper container.

The pH samples were received outside of holding time.

VOC sample(s) were received with no headspace present. JD

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. JE

CLIENT SERVICES

There are no anomalies to report. EKH

GENERAL CHEMISTRY

Method SW9045C: The pH analysis was done outside of the 24-hour holding time for RCRA samples (H). There are no other anomalies to report. MM/JE

METALS ANALYSIS

There are no anomalies to report. MB

GAS CHROMATOGRAPHY

Method 8021/TVH_S: There are no anomalies to report. JCC

Method TEH_S: The reporting limit was raised from 14mg/Kg to 35 mg/Kg due to contamination introduced during prep, as seen in the method blank. There are no other anomalies to report. LC/JE

7004

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

Client Sample ID: Bottom Pit #1
Client Project ID:
Date Collected: 4/28/2009
Date Received: 4/29/2009

Lab Work Order: 09-2947
Lab Sample ID: 09-2947-01A
Sample Matrix: Soil

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AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5035

Date Prepared: 4/30/2009

Lab File ID: 043009\TA006

Dilution Factor: 5

Date Analyzed: 4/30/2009

Method Blank: MB2043009

Analytes	CAS Number	Result	LQL	Units
Benzene	71-43-2	U	5.0	µg/Kg
Toluene	108-88-3	U	10	µg/Kg
Ethylbenzene	100-41-4	U	10	µg/Kg
m,p-Xylene	1330-20-7	U	10	µg/Kg
o-Xylene	95-47-6	U	10	µg/Kg
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	80	QC Limits: 60-140	%REC

TOTAL VOLATILE HYDROCARBONS

Method: SW8015B MOD

Prep Method: SW5035

Date Prepared: 4/30/2009

Lab File ID: 043009\TA006

Dilution Factor: 5

Date Analyzed: 4/30/2009

Method Blank: MB2043009

Analytes	CAS Number	Result	LQL	Units
TVH-Gasoline	86290-81-5	U	1.0	mg/Kg
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	82	QC Limits: 60-140	%REC


Analyst


Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

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: LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 5/1/2009

Signal #1 : E:\DATA\043009\TA006.D\FID1A.CH

Vial: 6

Signal #2 : E:\DATA\043009\TA006.D\FID2B.CH

Acq On : 30 Apr 2009 12:40 pm

Operator: JENNC1

Sample : 09-2947-01A

Inst : TVHBTEX2

Misc : ,SAMP,8021_S,TVH_S,5,

Multiplr: 1.00

IntFile Signal #1: TVH1.E

IntFile Signal #2: FB2.E

Quant Time: Apr 30 13:06 2009 Quant Results File: TW20331.RES

Quant Method : C:\MSDCHEM\1\METHODS\TW20331.M (Chemstation Integrator)

Title : 8015B/8021B TVH/BTEX

Last Update : Wed Apr 01 08:50:48 2009

Response via : Multiple Level Calibration

DataAcq Meth : TVB2.M

Volume Inj. :

Signal #1 Phase : DB-624

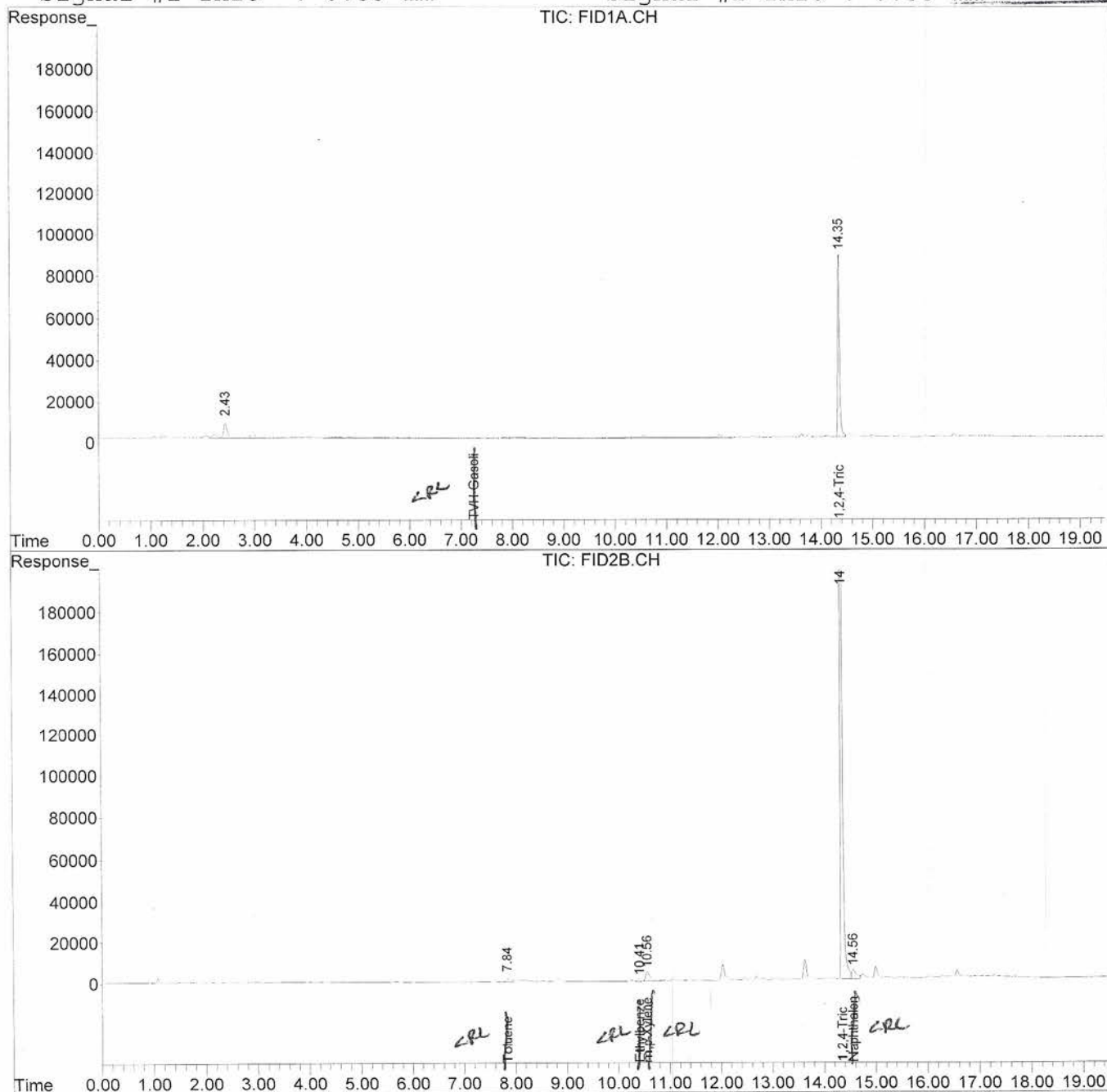
Signal #2 Phase: DB-624

Signal #1 Info : 0.53 mm

Signal #2 Info : 0.53 mm

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(303) 425-6021

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Client Sample ID: Bottom Pit #1
Client Project ID:
Date Collected: 4/28/09
Date Received: 4/29/09

Lab Work Order: 09-2947
Lab Sample ID: 09-2947-01
Sample Matrix: Soil

DISSOLVED METALS

Method: SW6010B

Prep Method: E200.7/SW3010A

Date Prepared: 5/6/09
Date Analyzed: 5/7/09

Lab File ID: 050709AM
Method Blank: MB-19040

Dilution Factor: 1
Lab Fraction ID: 09-2947-01B

Analytes	CAS Number	Result	LQL	Units
Calcium	7440-70-2	52	1.9	mg/L
Magnesium	7439-95-4	16	0.75	mg/L
Sodium	7440-23-5	21	2.0	mg/L

SODIUM ADSORPTION RATIO, SOIL

Method: USDA

Prep Method:

Date Prepared: 5/6/09
Date Analyzed: 5/7/09

Dilution Factor: 1
Lab Fraction ID: 09-2947-01B

Analytes	CAS Number	Result	LQL	Units
Sodium-Adsorption-Ratio		0.65	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: 5/13/2009

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

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Client Sample ID Bottom Pit #1
Client Project ID
Date Collected: 4/28/09 1000
Date Received: 4/29/09

Lab Work Order 09-2947
Lab Sample ID: 09-2947-01
Sample Matrix: Soil

SPECIFIC CONDUCTANCE @ 25°C

Method: Dept of Ag.

Prep Method:

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

Date Prepared: 5/5/09

Lab File ID: 216

Dilution Factor: 1

Date Analyzed: 5/7/09

Lab Fraction ID: 09-2947-01B

Analytes	CAS Number	Result	LQL	Units
Specific Conductance		460	1.00	µmhos/cm

PH

Method: SW9045C

Prep Method:

Date Prepared: 4/30/09

Dilution Factor: 1

Date Analyzed: 4/30/09 1040

Lab Fraction ID: 09-2947-01B

Analytes	CAS Number	Result	LQL	Units
pH		9.52 H	1.00	pH Units



Analyst



Approved

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result
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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

Evergreen Analytical, Inc.

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

Lab Order: 09-2947
Client Project ID:
Matrix: Soil

Date Received: 4/29/2009
Date Prepared: 4/30/2009
Prep Batch ID: 18957
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	LQL
09-2947-01C	Bottom Pit #1	050409\FI013.D	4/28/2009	5/4/2009	1	74%	U	35

Surrogate QC Limits: 39-130 %REC

Surr: TBB



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

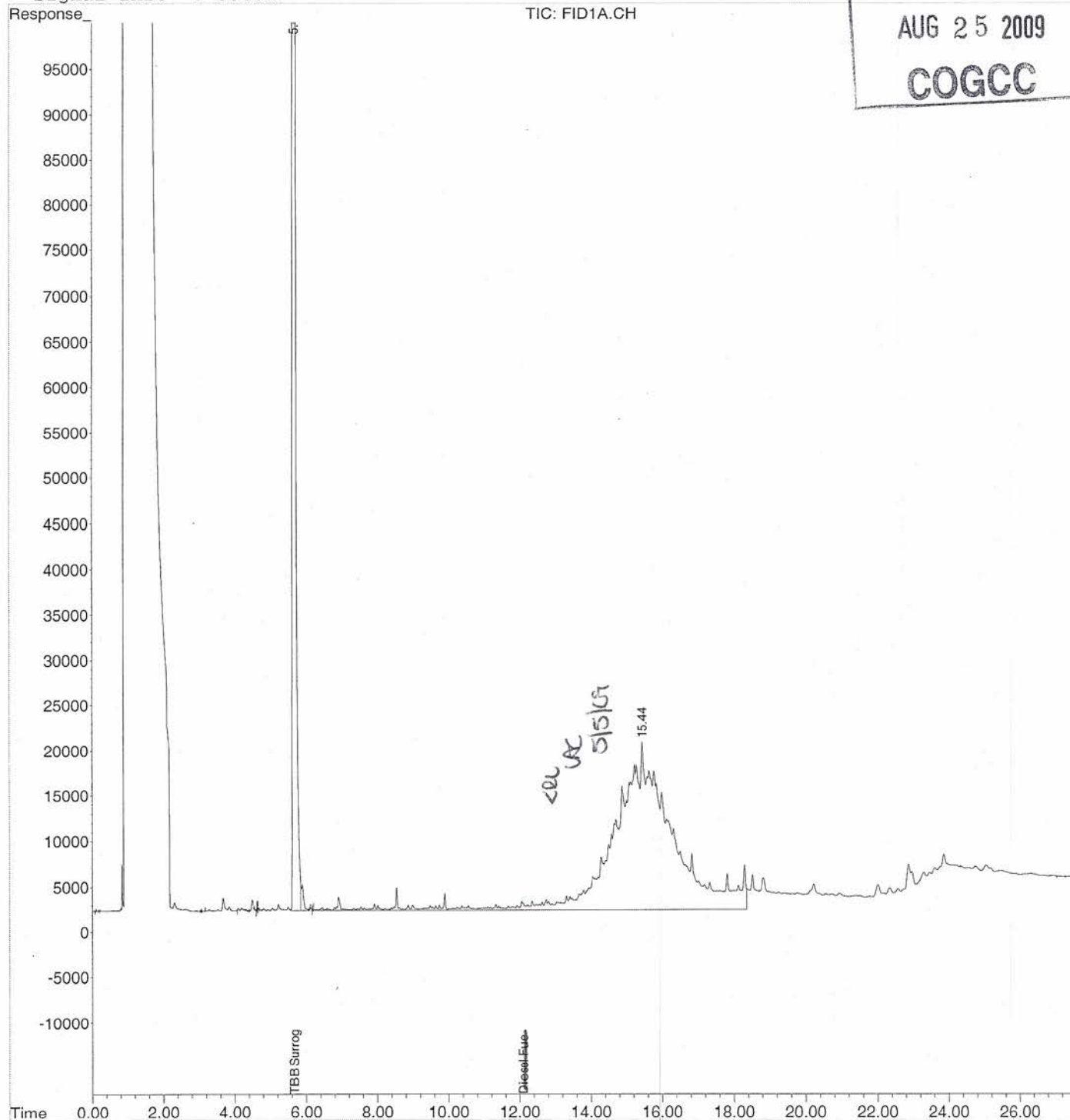
Print Date: 5/5/2009

Data File : E:\DATA\050409\FI013.D
Acq On : 4 May 2009 3:21 pm
Sample : 09-2947-01C
Misc : ,SAMP,TEH_S,1,BATCH 18957
IntFile : DF050309.E
Quant Time: May 4 15:49 2009 Quant Results File: DF050309.RES

Vial: 13
Operator: LauraC
Inst : FID6
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\DF050309.M (Chemstation Integrator)
Title : 8015B TEH
Last Update : Mon May 04 08:03:07 2009
Response via : Multiple Level Calibration
DataAcq Meth : FR_BASE.M

Volume Inj. : 1ul
Signal Phase : RTX-5
Signal Info : 530um

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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 or if performed on this client's samples.

Evergreen Analytical, Inc.

Date: 01-May-09

Work Order: 09-2947

Client Project ID:

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S

Sample ID: MB2043009		SampType: MBLK	TestCode: 8021_S		Run ID: TVHBTEX2_090430A		Prep Date: 4/30/2009		Units: µg/Kg		
		Batch ID: R46859	TestNo: SW8021B		FileID: 043009\TA003		Analysis Date: 4/30/2009		SeqNo: 832426		
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	U	5.0									
Toluene	U	10									
Ethylbenzene	U	10									
m,p-Xylene	U	10									
o-Xylene	U	10									
Surr: 1,2,4-Trichlorobenzene (S)	411.6	0	500	0	82.3	60	140	0	0		

Sample ID: LCS2043009		SampType: LCS	TestCode: 8021_S		Run ID: TVHBTEX2_090430A		Prep Date: 4/30/2009		Units: µg/Kg		
		Batch ID: R46859	TestNo: SW8021B		FileID: 043009\TA004		Analysis Date: 4/30/2009		SeqNo: 832427		
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	129.3	5.0	127.5	0	101	70	130	0	0		
Toluene	875.9	10	918	0	95.4	70	130	0	0		
Ethylbenzene	190.8	10	184	0	104	70	130	0	0		
m,p-Xylene	706.4	10	681.6	0	104	70	130	0	0		
o-Xylene	295.8	10	286	0	103	70	130	0	0		
Surr: 1,2,4-Trichlorobenzene (S)	544.1	0	500	0	109	60	140	0	0		

Sample ID: 09-2947-01AMS		SampType: MS	TestCode: 8021_S		Run ID: TVHBTEX2_090430A		Prep Date: 4/30/2009		Units: µg/Kg		
Client ID: Bottom Pit #1		Batch ID: R46859	TestNo: SW8021B		FileID: 043009\TA008		Analysis Date: 4/30/2009		SeqNo: 832430		
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	129.1	5.0	127.5	0	101	70	130	0	0		
Toluene	872.2	10	918	0	95	70	130	0	0		
Ethylbenzene	187.5	10	184	0	102	60	130	0	0		
m,p-Xylene	702.7	10	681.6	0	103	60	140	0	0		
o-Xylene	289.9	10	286	0	101	65	135	0	0		
Surr: 1,2,4-Trichlorobenzene (S)	484.6	0	500	0	96.9	60	140	0	0		

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Work Order: 09-2947

Client Project ID:

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S

Sample ID: 09-2947-01AMSD	SampType: MSD	TestCode: 8021_S	Run ID: TVHBTEX2_090430A	Prep Date: 4/30/2009	Units: µg/Kg						
Client ID: Bottom Pit #1	Batch ID: R46859	TestNo: SW8021B	FileID: 043009\TA009	Analysis Date: 4/30/2009	SeqNo: 832431						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	130.1	5.0	127.5	0	102	70	130	129.1	0.748	30	
Toluene	877.8	10	918	0	95.6	70	130	872.2	0.637	30	
Ethylbenzene	188.5	10	184	0	102	60	130	187.5	0.561	30	
m,p-Xylene	703.3	10	681.6	0	103	60	140	702.7	0.0768	30	
o-Xylene	289.9	10	286	0	101	65	135	289.9	0.00172	30	
Surr: 1,2,4-Trichlorobenzene (S)	460.3	0	500	0	92.1	60	140	0	0	30	

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Work Order: 09-2947

Client Project ID:

ANALYTICAL QC SUMMARY REPORT

TestCode: TVH_S

Sample ID: MB2043009	SampType: MBLK	TestCode: TVH_S	Run ID: TVHBTEX2_090430B	Prep Date: 4/30/2009	Units: mg/Kg						
	Batch ID: R46860	TestNo: SW8015B Mo	FileID: 043009\TA003	Analysis Date: 4/30/2009	SeqNo: 832436						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TVH-Gasoline	U	1.0									
Surr: 1,2,4-Trichlorobenzene (S)	426	0	500	0	85.2	60	140	0	0		

Sample ID: LCS2043009	SampType: LCS	TestCode: TVH_S	Run ID: TVHBTEX2_090430B	Prep Date: 4/30/2009	Units: mg/Kg						
	Batch ID: R46860	TestNo: SW8015B Mo	FileID: 043009\TA004	Analysis Date: 4/30/2009	SeqNo: 832437						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TVH-Gasoline	11.19	1.0	11	0	102	70	130	0	0		
Surr: 1,2,4-Trichlorobenzene (S)	589.4	0	500	0	118	60	140	0	0		

Sample ID: 09-2947-01AMS	SampType: MS	TestCode: TVH_S	Run ID: TVHBTEX2_090430B	Prep Date: 4/30/2009	Units: mg/Kg						
Client ID: Bottom Pit #1	Batch ID: R46860	TestNo: SW8015B Mo	FileID: 043009\TA008	Analysis Date: 4/30/2009	SeqNo: 832440						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TVH-Gasoline	11.92	1.0	11	0	108	62	130	0	0		
Surr: 1,2,4-Trichlorobenzene (S)	601.7	0	500	0	120	60	140	0	0		

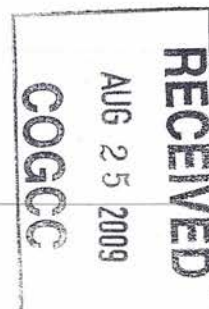
Sample ID: 09-2947-01AMSD	SampType: MSD	TestCode: TVH_S	Run ID: TVHBTEX2_090430B	Prep Date: 4/30/2009	Units: mg/Kg						
Client ID: Bottom Pit #1	Batch ID: R46860	TestNo: SW8015B Mo	FileID: 043009\TA009	Analysis Date: 4/30/2009	SeqNo: 832441						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TVH-Gasoline	11.76	1.0	11	0	107	62	130	11.92	1.35	30	
Surr: 1,2,4-Trichlorobenzene (S)	594.7	0	500	0	119	60	140	0	0	0	

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Work Order: 09-2947

Client Project ID:

ANALYTICAL QC SUMMARY REPORT

BatchID: 19040

Sample ID: MB-19040		SampType: MBLK	TestCode: 200.7_T		Run ID: ICP-OPTIMA 5300 DV_090507A			Prep Date: 5/6/2009		Units: mg/L	
		Batch ID: 19040	TestNo: E200.7, Rev.		FileID: 050709AM			Analysis Date: 5/7/2009		SeqNo: 835908	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	U	0.387									
Magnesium	0	0.150									
Sodium	U	0.400									

Sample ID: LCS-19040		SampType: LCS	TestCode: 200.7_T		Run ID: ICP-OPTIMA 5300 DV_090507A			Prep Date: 5/6/2009		Units: mg/L	
		Batch ID: 19040	TestNo: E200.7, Rev.		FileID: 050709AM			Analysis Date: 5/7/2009		SeqNo: 835909	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	10.09	0.387	10	0.1009	101	85	115	0	0		
Magnesium	10.11	0.150	10	0	101	85	115	0	0		
Sodium	10.51	0.400	10	0.1834	105	85	115	0	0		



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Work Order: 09-2947

Client Project ID

ANALYTICAL QC SUMMARY REPORT

TestCode: COND_S

Sample ID: LCS	SampType: LCS	TestCode: COND_S	Run ID: COND_090507A					Prep Date: 5/7/2009	Units: μmhos/cm		
	Batch ID: R47011	TestNo: Dept of Ag.	FileID: 206					Analysis Date: 5/7/2009	SeqNo: 835216		
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Conductance	10040	1.00	9991	0	100	90	110	0	0		



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Work Order: 09-2947

Client Project ID

ANALYTICAL QC SUMMARY REPORT

TestCode: PH_S

Sample ID: LCS-R46832	SampType: LCS	TestCode: PH_S	Run ID: PH_090430B	Prep Date: 4/30/2009	Units: pH Units						
	Batch ID: R46832	TestNo: SW9045C	FileID:	Analysis Date: 4/30/2009	SeqNo: 832198						
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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Work Order: 09-2947

Client Project ID:

ANALYTICAL QC SUMMARY REPORT

TestCode: TEH_S

Sample ID: MB-18957		SampType: MBLK	TestCode: TEH_S		Run ID: FID6_090504A		Prep Date: 4/30/2009		Units: mg/Kg		
		Batch ID: 18957	TestNo: SW8015B Mo		FileID: 050409\FI003.D		Analysis Date: 5/4/2009		SeqNo: 833810		
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Fuel (No. 2)	U	35									
Surr: TBB	44.82	0	66.67	0	67.2	39	130	0	0		

Sample ID: LCS-18957		SampType: LCS	TestCode: TEH_S		Run ID: FID6_090504A		Prep Date: 4/30/2009		Units: mg/Kg		
		Batch ID: 18957	TestNo: SW8015B Mo		FileID: 050409\FI006.D		Analysis Date: 5/4/2009		SeqNo: 833813		
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Fuel (No. 2)	623.1	35	666.7	0	93.5	70	130	0	0		
Surr: TBB	49.75	0	66.67	0	74.6	42	130	0	0		

Sample ID: 09-2962-01BMS		SampType: MS	TestCode: TEH_S		Run ID: FID6_090504A		Prep Date: 4/30/2009		Units: mg/Kg		
		Batch ID: 18957	TestNo: SW8015B Mo		FileID: 050409\FI015.D		Analysis Date: 5/4/2009		SeqNo: 833921		
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Fuel (No. 2)	630.6	35	664.7	0	94.9	70	130	0	0		
Surr: TBB	49.35	0	66.47	0	74.2	39	130	0	0		

Sample ID: 09-2962-01BMSD		SampType: MSD	TestCode: TEH_S		Run ID: FID6_090504A		Prep Date: 4/30/2009		Units: mg/Kg		
		Batch ID: 18957	TestNo: SW8015B Mo		FileID: 050409\FI016.D		Analysis Date: 5/4/2009		SeqNo: 833922		
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Fuel (No. 2)	560.3	35	665.6	0	84.2	70	130	630.6	11.8	30	
Surr: TBB	44.41	0	66.56	0	66.7	39	130	0	0	0	

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