SMITH+GARDNER
ENGINEERS

ADDRESS
14 N. Boylan Avenue, Raleigh NC 27603
TEL
919.828.0577
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www.smithgardnerinc.com

November 16, 2012

Mr. Ervin Lane
Hydrogeologist
NCDENR Division of Waste Management – Solid Waste Section
1646 Mail Service Center
Raleigh, NC 27699-1646

RE: Lower Soil Stockpile Removal - Final Report
Fogleman & Fogleman LCID Landfill
NC Solid Waste Permit No. 32F

Dear Mr. Lane:

Smith Gardner, Inc. (S+G) is pleased to present this summary of the soil removal and final soil sampling conducted for the lower soil stockpile at the Fogleman and Fogleman Land Clearing and Inert Debris (LCID) landfill. Based upon our progress report[1] of October 17th 2012, Mid-Atlantic Infrastructure removed soils identified as impacted that were previously located within the lower soil stockpile. Soil removal occurred on November 2nd 2012 and the soils were transported to the Republic Municipal Solid Waste Landfill in Person County for disposal. Upon completion of soil removal, four (4) conformational soil samples were collected on November 6th, 2012. These samples were collected from the three corners of the triangular area removed and one from the center of the area where soils were removed. A map depicting the soil sampling locations is shown on **Figure 1**.

Laboratory Results

The soil samples were collected for laboratory analysis of TPH (DRO and GRO)[2], MADEP VPH and EPH[3], 8RCRA Metals (Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Silver and Selenium), EPA Method 8260 Volatile Organic Compounds and EPA Method 8270 Semi-volatile organic compounds.

Results from laboratory analysis indicate some detections of metals which are all below the relevant standards with the exception of one cadmium at a concentration of 14.9 ug/l which is above the NCDENR Preliminary Soil Remediation Goal (PRG). As soils in North Carolina naturally contain inorganic metal constituents, we believe this sample is indicative of natural conditions. Analysis of hydrocarbons, and volatile and semi-volatile organics indicated detections above the practical quantitation limit (PQL) for Pyrene and Acetone however, these concentrations were below the PRG for these constituents. Other detections were

[1] Letter from Joan Smyth, P.G. and Stacey Smith, P.E. of Smith Gardner Inc. to Mr. Ervin Lane of NCDENR Lower Soil Stockpile Investigation Update Report dated October 17, 2012.
[2] TPH – Total Petroleum Hydrocarbons; DRO - Diesel Range Organic Compounds; GRO – Gasoline Range Organic Compounds
[3] Massachusetts (Volatile Petroleum Hydrocarbons & Extractable Petroleum Hydrocarbons)

above the Method Detection Limit (MDL) but below the Practical Quantitation Limit (PQL). These are detections where the concentration is too small to precisely quantify, so the resulting concentration shown is an estimated concentration. These are flagged with a "J" qualifier. The detected results are summarized in **Table 1** and compared to the NCDENR Inactive Hazardous Sites Branch Preliminary Soil Remediation Goals (PRGs). The IHSB PRGs are modified from the EPA Region 9 Preliminary Remediation Goals/Soil Screening Levels to be protective of groundwater to the North Carolina groundwater standards (15A NCAC 13B.0200 et. seq.).

As reported previously, detected petroleum constituents that are not included in the IHSB PRGs were compared to the NCDENR Underground Storage Tank Section Maximum Soil Contaminant Concentrations (MSCCs) Soil to Water Maximum Concentration.

The laboratory analysis is provided in **Attachment A**.

Conclusions

Although cadmium was detected above the PRG in one soil sample, inorganic constituents are naturally occurring in soils in North Carolina and we attribute this detection to natural conditions within the soil. As all other soil samples indicated concentrations below the PRGs, this concludes the investigation and remedial phases regarding the lower soil stockpile at the Fogleman and Fogleman LCID landfill.

If you have any questions or require any additional information, please contact us at (919) 828-0577 or by email listed below.

Sincerely,
SMITH GARDNER, INC.

Joan A. Smyth, P.G.
Senior Hydrogeologist
joan@smithgardnerinc.com

Stacey A. Smith, P.E.
Project Manager
stacey@smithgardnerinc.com

NORTH CAROLINA PROFESSIONAL SEAL 023002 ENGINEER STACEY A. SMITH
11/16/12

Attachments

Cc: Linda Folgeman – Fogleman & Fogleman LCID
Wayne Randolph – NCDENR – UST
John Holley – NCDENR – UST
John Patrone – NCDENR - SWS
Pat Backus, P.E. – NCDENR - SWS
File

H:\Projects\Fogleman Landfill (Durham County)\Fogle-12-2 (Durham DSCA Site Response)\Fogleman Soil Stockpile Investigation\Fogleman Soil Stockpile Final Report 11-16-12.docx

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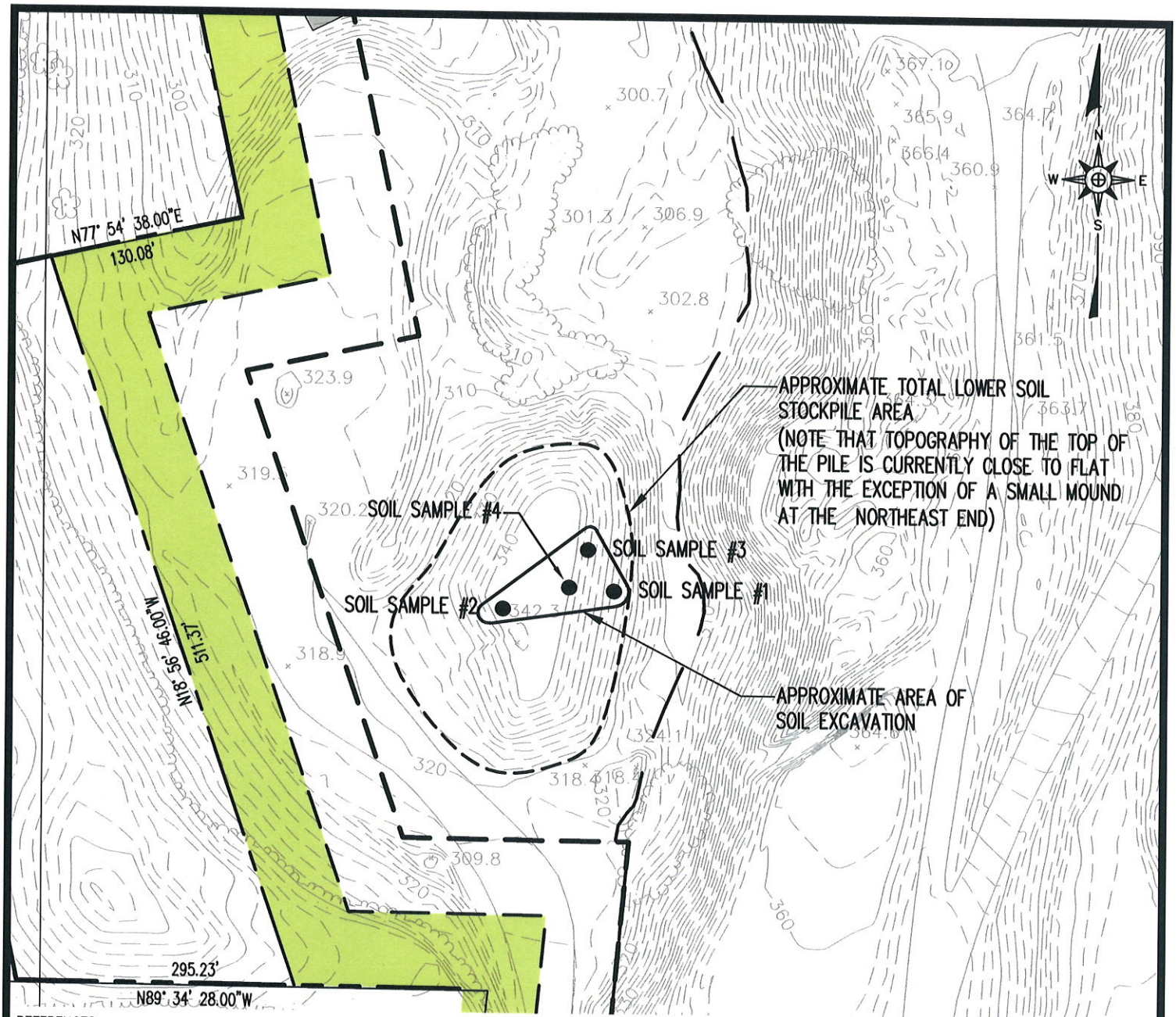
Table 1
Fogleman Lower Stockpile - Confirmational Samples
November 6th 2012

By: MG
Date: 11/14/2012

Detected Constituents	Units	Lowest Method Detection Limit	Lowest Practical Quantitation Limit	NCDENR IHSB Preliminary Soil Remediation Goals (PRGs)	Soil #1	Soil #2	Soil #3	Soil #4
4-Isopropyltoluene	ug/kg dry	0.23	1.4	680	0.88 J	ND	ND	ND
Acetone	ug/kg dry	1.6	5.7	240000	15	5.4 J	ND	ND
Benzo(b)fluoranthene	ug/kg dry	19	340	600	ND	37 J	ND	ND
DRO (C10-C28)	ug/kg dry	0.81	3.4	31*	2.9 J	2.3 J	3.1 J	1.8 J
Fluoranthene	ug/kg dry	37	340	56000	ND	ND	41 J	ND
Methylene Chloride	ug/kg dry	1.1	2.9	23	1.1 JB	ND	ND	ND
Pyrene	ug/kg dry	39	340	220000	ND	ND	39 J	ND
Arsenic (total)	mg/kg dry	0.104	0.518	5.8	3.68	3.65	1.74	2.73
Barium (total)	mg/kg dry	0.104	0.518	580	43.1	101	66.5	60.6
Cadmium (total)	mg/kg dry	0.0105	0.0545	3	0.0857	**14.9**	ND	ND
Chromium (total)	mg/kg dry	0.104	0.518	360000	9.02	ND	11.5	11.1 J
Lead (total)	mg/kg dry	0.124	0.518	270	11.7	11	8.71	9.49
Mercury (total)	mg/kg dry	0.00744	0.0259	1	0.0233 J	0.0177 J	ND	0.0158 J
Silver (total)	mg/kg dry	0.104	0.518	3.4	0.661	0.877	0.350 J	0.525 J

IHSB Prelim. Soil Remediation Goals	-	NCDENR Inactive Hazardous Sites Branch Preliminary Soil Remediation Goals for protection of groundwater updated July 2012
*	-	Standard is for C-9 to C-22 aromatics from NCDENR UST Max. Soil Contaminant Concentrations (MSCCs)
Bold	-	Detected Concentration above listed IHSB PRG standard
J	-	Constituent detected at a concentration between the MDL and Method Reporting Limit (MRL)
ND	-	Constituent not detected
B	-	Constituent detected in blank sample.



REFERENCES:

1. TOPOGRAPHY IN ACTIVE AREAS FROM AERIAL SURVEY PERFORMED BY GEODATA CORPORATION, ZEBULON, NC, DATED JULY 1, 2011. OVERALL SITE TOPOGRAPHY AS PROVIDED BY NCDOT GIS DEPARTMENT FROM LIDAR DATA RELEASED MAY 2007.
2. COORDINATE SYSTEM IS NORTH CAROLINA STATE PLANE GRID, NAD 83, NGVD 88.
3. PROPERTY LINE AS SHOWN ON DRAWING "PROPOSED DEMOLITION LANDFILL, PROPERTY OF JOHN H. FOGLEMAN", PREPARED BY WILLIAM C. WALKER, JR., REGISTERED LAND SURVEYOR, DURHAM, NC, DATED OCTOBER 15, 1991, REVISED FEBRUARY 2008. PROPERTY LINE HORIZONTALLY LOCATED BY MATCHING SOUTHERN LINE OF NORTHERN ADJACENT PARCEL (SEE REFERENCE 5). THIS DRAWING DOES NOT CONSTITUTE A PROPERTY SURVEY AND IS FOR REFERENCE ONLY.
4. ADJACENT PARCEL BOUNDARY AND CONTROL POINT FROM DEED DESCRIPTION FOR PARCEL REFERENCE NO. 171278, DEED BOOK 1026, PAGE 981.

0 100' 200'

PREPARED FOR:

SOIL REMOVAL / SAMPLING LOCATIONS
LOWER SOIL STOCKPILE
FOGLEMAN & FOGLEMAN LCID LANDFILL
DURHAM, NORTH CAROLINA

PREPARED BY:

NC LIC. NO. C-0628 (ENGINEERING)

SMITH+GARDNER

14 N. Boylan Avenue, Raleigh NC 27603 | 919.828.0577

DRAWN:	APPROVED:	SCALE:	DATE:	PROJECT NO.:	FIGURE NO.:	FILE NAME:
C.T.J.	J.A.S.	AS SHOWN	Nov 2012	FOGLE 12-2	1	FOGLE-A0013

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Attachment A

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Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515
www.encolabs.com

Tuesday, November 13, 2012

Smith Gardner Inc. (GN001)

Attn: Joan A. Smyth

14 N. Boylan Avenue

Raleigh, NC 27603

RE: Laboratory Results for
Project Number: Fogle-12-2, Project Name/Desc: Fogleman
ENCO Workorder(s): C213038

Dear Joan A. Smyth,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Monday, November 5, 2012.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Bill Scott

Bill Scott

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 58.

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PROJECT NARRATIVE

Date: November 13, 2012
Client: Smith Gardner Inc. (GN001)
Project: Fogleman
Lab ID: C213038

Overview

Environmental Conservation Laboratories, Inc. (ENCO) analyzed all submitted samples in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling by ENCO are discussed in the QC Remarks section below.

Quality Control Samples

No Comments

Quality Control Remarks

Methylene chloride was detected at a J value level in the 8260 method blank. The methylene chloride J value detection for sample ID Soil #1 was appropriately qualified.

Other Comments

The analytical data presented in this report are consistent with the methods as referenced in the analytical report. Any exceptions or deviations are noted in the QC remarks section of this narrative or in the Flags/Notes and Definitions section of the report.

Released By:
Environmental Conservation Laboratories, Inc.

Bill Scott
Project Manager

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: Soil #1 Lab ID: C213038-01 Sampled: 11/05/12 15:10 Received: 11/05/12 17:05

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	05/04/13		11/06/12	13:09	11/7/2012 13:34
EPA 7471B	12/03/12		11/09/12	10:46	11/9/2012 16:57
EPA 8015C	11/19/12		11/06/12	10:05	11/6/2012 19:51
EPA 8015C	11/19/12	12/16/12	11/06/12	10:05	11/7/2012 14:17
EPA 8260B	11/19/12		11/06/12	10:58	11/7/2012 08:39
EPA 8270D	11/19/12	12/16/12	11/06/12	13:52	11/9/2012 20:43
MAEPH	11/19/12	12/18/12	11/08/12	09:47	11/9/2012 18:27

Client ID: Soil #1 Lab ID: C213038-01RE1 Sampled: 11/05/12 15:10 Received: 11/05/12 17:05

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
MAVPH	12/03/12		11/07/12	09:29	11/9/2012 11:42

Client ID: Soil #2 Lab ID: C213038-02 Sampled: 11/05/12 15:20 Received: 11/05/12 17:05

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	05/04/13		11/06/12	13:09	11/7/2012 13:36
EPA 7471B	12/03/12		11/09/12	10:46	11/9/2012 17:08
EPA 8015C	11/19/12		11/06/12	10:05	11/6/2012 20:23
EPA 8015C	11/19/12	12/16/12	11/06/12	10:05	11/7/2012 14:46
EPA 8260B	11/19/12		11/06/12	10:58	11/7/2012 09:09
EPA 8270D	11/19/12	12/16/12	11/06/12	13:52	11/9/2012 21:13
MAEPH	11/19/12	12/18/12	11/08/12	09:47	11/9/2012 18:51
MAVPH	12/03/12		11/07/12	09:29	11/8/2012 14:33

Client ID: Trip Blank Lab ID: C213038-03 Sampled: 11/05/12 15:10 Received: 11/05/12 17:05

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	11/19/12		11/07/12	09:17	11/7/2012 16:35

Client ID: Soil #3 Lab ID: C213038-04 Sampled: 11/05/12 15:35 Received: 11/05/12 17:05

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	05/04/13		11/06/12	13:09	11/7/2012 13:38
EPA 7471B	12/03/12		11/09/12	10:46	11/9/2012 17:10
EPA 8015C	11/19/12		11/06/12	10:05	11/6/2012 20:55
EPA 8015C	11/19/12	12/16/12	11/06/12	10:05	11/7/2012 15:16
EPA 8260B	11/19/12		11/06/12	10:58	11/7/2012 09:39
EPA 8270D	11/19/12	12/16/12	11/06/12	13:52	11/9/2012 21:43
MAEPH	11/19/12	12/18/12	11/08/12	09:47	11/9/2012 19:15
MAVPH	12/03/12		11/07/12	09:29	11/8/2012 15:03

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Client ID: Soil #4	Lab ID: C213038-05	Sampled: 11/05/12 15:50	Received: 11/05/12 17:05

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010C	05/04/13		11/06/12	13:09	11/7/2012	13:40
EPA 7471B	12/03/12		11/09/12	10:46	11/9/2012	17:11
EPA 8015C	11/19/12		11/06/12	10:05	11/6/2012	21:27
EPA 8015C	11/19/12	12/16/12	11/06/12	10:05	11/7/2012	15:45
EPA 8260B	11/19/12		11/06/12	10:58	11/7/2012	10:08
EPA 8270D	11/19/12	12/16/12	11/06/12	13:52	11/9/2012	22:13
MAEPH	11/19/12	12/18/12	11/08/12	09:47	11/9/2012	19:40
MAVPH	12/03/12		11/07/12	09:29	11/9/2012	12:12

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SAMPLE DETECTION SUMMARY

Client ID: Soil #1 **Lab ID: C213038-01**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
4-Isopropyltoluene	0.88	J	0.23	1.4	ug/kg dry	EPA 8260B	
Acetone	15		2.0	7.2	ug/kg dry	EPA 8260B	
Arsenic - Total	3.68		0.109	0.545	mg/kg dry	EPA 6010C	
Barium - Total	43.1		0.109	0.545	mg/kg dry	EPA 6010C	
Cadmium - Total	0.0857		0.0105	0.0545	mg/kg dry	EPA 6010C	
Chromium - Total	9.02		0.109	0.545	mg/kg dry	EPA 6010C	
DRO (C10-C28)	2.9	J	0.85	3.6	mg/kg dry	EPA 8015C	
Lead - Total	11.7		0.131	0.545	mg/kg dry	EPA 6010C	
Mercury - Total	0.0233	J	0.00752	0.0262	mg/kg dry	EPA 7471B	
Methylene Chloride	1.1	JB	1.1	2.9	ug/kg dry	EPA 8260B	O-01
Silver - Total	0.661		0.109	0.545	mg/kg dry	EPA 6010C	

Client ID: Soil #2 **Lab ID: C213038-02**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	5.4	J	1.6	5.7	ug/kg dry	EPA 8260B	
Arsenic - Total	3.65		0.113	0.566	mg/kg dry	EPA 6010C	
Barium - Total	101		0.113	0.566	mg/kg dry	EPA 6010C	
Chromium - Total	14.9		0.113	0.566	mg/kg dry	EPA 6010C	
DRO (C10-C28)	2.3	J	0.88	3.7	mg/kg dry	EPA 8015C	
Lead - Total	11.0		0.136	0.566	mg/kg dry	EPA 6010C	
Mercury - Total	0.0177	J	0.00782	0.0272	mg/kg dry	EPA 7471B	
Silver - Total	0.877		0.113	0.566	mg/kg dry	EPA 6010C	

Client ID: Soil #3 **Lab ID: C213038-04**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Arsenic - Total	1.74		0.104	0.518	mg/kg dry	EPA 6010C	
Barium - Total	66.5		0.104	0.518	mg/kg dry	EPA 6010C	
Benzo(b)fluoranthene	37	J	19	340	ug/kg dry	EPA 8270D	
Chromium - Total	11.5		0.104	0.518	mg/kg dry	EPA 6010C	
DRO (C10-C28)	3.1	J	0.81	3.4	mg/kg dry	EPA 8015C	
Fluoranthene	41	J	37	340	ug/kg dry	EPA 8270D	
Lead - Total	8.71		0.124	0.518	mg/kg dry	EPA 6010C	
Pyrene	39	J	39	340	ug/kg dry	EPA 8270D	
Silver - Total	0.350	J	0.104	0.518	mg/kg dry	EPA 6010C	

Client ID: Soil #4 **Lab ID: C213038-05**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Arsenic - Total	2.73		0.108	0.539	mg/kg dry	EPA 6010C	
Barium - Total	60.6		0.108	0.539	mg/kg dry	EPA 6010C	
Chromium - Total	11.1		0.108	0.539	mg/kg dry	EPA 6010C	
DRO (C10-C28)	1.8	J	0.84	3.6	mg/kg dry	EPA 8015C	
Lead - Total	9.49		0.129	0.539	mg/kg dry	EPA 6010C	
Mercury - Total	0.0158	J	0.00744	0.0259	mg/kg dry	EPA 7471B	
Silver - Total	0.525	J	0.108	0.539	mg/kg dry	EPA 6010C	

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ANALYTICAL RESULTS

Description: Soil #1 | **Lab Sample ID:** C213038-01 | **Received:** 11/05/12 17:05

Matrix: Soil | **Sampled:** 11/05/12 15:10 | **Work Order:** C213038

Project: Fogleman | **Sampled By:** CLIENT | **% Solids:** 91.75

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	ND		ug/kg dry	1	0.36	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	ND		ug/kg dry	1	0.29	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
1,1,2-Trichloroethane [79-00-5] ^	ND		ug/kg dry	1	0.36	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
1,1-Dichloroethane [75-34-3] ^	ND		ug/kg dry	1	0.36	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
1,1-Dichloroethene [75-35-4] ^	ND		ug/kg dry	1	0.43	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
1,1-Dichloropropene [563-58-6] ^	ND		ug/kg dry	1	0.23	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	ND		ug/kg dry	1	0.40	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
1,2,3-Trichloropropane [96-18-4] ^	ND		ug/kg dry	1	0.93	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	ND		ug/kg dry	1	0.39	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	ND		ug/kg dry	1	0.25	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
1,2-Dibromoethane [106-93-4] ^	ND		ug/kg dry	1	0.66	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
1,2-Dichlorobenzene [95-50-1] ^	ND		ug/kg dry	1	0.39	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
1,2-Dichloroethane [107-06-2] ^	ND		ug/kg dry	1	0.59	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
1,2-Dichloropropane [78-87-5] ^	ND		ug/kg dry	1	0.38	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	ND		ug/kg dry	1	0.29	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
1,3-Dichlorobenzene [541-73-1] ^	ND		ug/kg dry	1	0.32	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
1,3-Dichloropropane [142-28-9] ^	ND		ug/kg dry	1	0.42	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
1,4-Dichlorobenzene [106-46-7] ^	ND		ug/kg dry	1	0.29	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
2,2-Dichloropropane [594-20-7] ^	ND		ug/kg dry	1	0.33	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
2-Butanone [78-93-3] ^	ND		ug/kg dry	1	1.1	7.2	2K06008	EPA 8260B	11/07/12 08:39	JKG	
2-Chlorotoluene [95-49-8] ^	ND		ug/kg dry	1	0.26	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
2-Hexanone [591-78-6] ^	ND		ug/kg dry	1	1.1	7.2	2K06008	EPA 8260B	11/07/12 08:39	JKG	
4-Chlorotoluene [106-43-4] ^	ND		ug/kg dry	1	0.38	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
4-Isopropyltoluene [99-87-6] ^	**0.88**	J	ug/kg dry	1	0.23	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
4-Methyl-2-pentanone [108-10-1] ^	ND		ug/kg dry	1	0.82	7.2	2K06008	EPA 8260B	11/07/12 08:39	JKG	
Acetone [67-64-1] ^	**15**		ug/kg dry	1	2.0	7.2	2K06008	EPA 8260B	11/07/12 08:39	JKG	
Benzene [71-43-2] ^	ND		ug/kg dry	1	0.25	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
Bromobenzene [108-86-1] ^	ND		ug/kg dry	1	0.32	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
Bromochloromethane [74-97-5] ^	ND		ug/kg dry	1	0.59	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
Bromodichloromethane [75-27-4] ^	ND		ug/kg dry	1	0.35	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
Bromoform [75-25-2] ^	ND		ug/kg dry	1	0.65	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
Bromomethane [74-83-9] ^	ND		ug/kg dry	1	0.46	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
Carbon Tetrachloride [56-23-5] ^	ND		ug/kg dry	1	0.32	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
Chlorobenzene [108-90-7] ^	ND		ug/kg dry	1	0.25	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
Chloroethane [75-00-3] ^	ND		ug/kg dry	1	0.36	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
Chloroform [67-66-3] ^	ND		ug/kg dry	1	0.26	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
Chloromethane [74-87-3] ^	ND		ug/kg dry	1	0.30	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	ND		ug/kg dry	1	0.33	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	ND		ug/kg dry	1	0.25	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
Dibromochloromethane [124-48-1] ^	ND		ug/kg dry	1	0.51	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
Dichlorodifluoromethane [75-71-8] ^	ND		ug/kg dry	1	0.65	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
Ethylbenzene [100-41-4] ^	ND		ug/kg dry	1	0.29	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
Isopropyl Ether [108-20-3] ^	ND		ug/kg dry	1	0.26	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
Isopropylbenzene [98-82-8] ^	ND		ug/kg dry	1	0.22	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
Methylene Chloride [75-09-2] ^	**1.1**	JB	ug/kg dry	1	1.1	2.9	2K06008	EPA 8260B	11/07/12 08:39	JKG	O-01
Methyl-tert-Butyl Ether [1634-04-4] ^	ND		ug/kg dry	1	0.43	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
Naphthalene [91-20-3] ^	ND		ug/kg dry	1	0.39	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
n-Butyl Benzene [104-51-8] ^	ND		ug/kg dry	1	0.19	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	

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Description:	Soil #1	**Lab Sample ID:**	C213038-01	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:10	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	91.75

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
n-Propyl Benzene [103-65-1] ^	ND		ug/kg dry	1	0.26	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
sec-Butylbenzene [135-98-8] ^	ND		ug/kg dry	1	1.4	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
Styrene [100-42-5] ^	ND		ug/kg dry	1	1.4	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
tert-Butylbenzene [98-06-6] ^	ND		ug/kg dry	1	0.25	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
Tetrachloroethene [127-18-4] ^	ND		ug/kg dry	1	0.40	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
Toluene [108-88-3] ^	ND		ug/kg dry	1	0.35	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	ND		ug/kg dry	1	0.53	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	ND		ug/kg dry	1	0.56	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
Trichloroethene [79-01-6] ^	ND		ug/kg dry	1	0.46	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
Trichlorofluoromethane [75-69-4] ^	ND		ug/kg dry	1	0.38	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
Vinyl acetate [108-05-4] ^	ND		ug/kg dry	1	0.68	7.2	2K06008	EPA 8260B	11/07/12 08:39	JKG	
Vinyl chloride [75-01-4] ^	ND		ug/kg dry	1	0.35	1.4	2K06008	EPA 8260B	11/07/12 08:39	JKG	
Xylenes (Total) [1330-20-7] ^	ND		ug/kg dry	1	0.81	4.3	2K06008	EPA 8260B	11/07/12 08:39	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*42*	*1*	*50.0*	*84 %*	*61-118*	*2K06008*	*EPA 8260B*	*11/07/12 08:39*	*JKG*	
Dibromofluoromethane	*40*	*1*	*50.0*	*80 %*	*66-114*	*2K06008*	*EPA 8260B*	*11/07/12 08:39*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*63-118*	*2K06008*	*EPA 8260B*	*11/07/12 08:39*	*JKG*	

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Description:	Soil #1	**Lab Sample ID:**	C213038-01	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:10	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	91.75

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	ND		ug/kg dry	1	28	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
1,2-Dichlorobenzene [95-50-1] ^	ND		ug/kg dry	1	25	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
1,3-Dichlorobenzene [541-73-1] ^	ND		ug/kg dry	1	22	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
1,4-Dichlorobenzene [106-46-7] ^	ND		ug/kg dry	1	23	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
1-Methylnaphthalene [90-12-0] ^	ND		ug/kg dry	1	29	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	ND		ug/kg dry	1	29	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	ND		ug/kg dry	1	29	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
2,4-Dichlorophenol [120-83-2] ^	ND		ug/kg dry	1	26	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
2,4-Dimethylphenol [105-67-9] ^	ND		ug/kg dry	1	47	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
2,4-Dinitrophenol [51-28-5] ^	ND		ug/kg dry	1	47	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
2,4-Dinitrotoluene [121-14-2] ^	ND		ug/kg dry	1	31	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
2,6-Dinitrotoluene [606-20-2] ^	ND		ug/kg dry	1	34	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
2-Chloronaphthalene [91-58-7] ^	ND		ug/kg dry	1	31	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
2-Chlorophenol [95-57-8] ^	ND		ug/kg dry	1	27	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	ND		ug/kg dry	1	36	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
2-Methylnaphthalene [91-57-6] ^	ND		ug/kg dry	1	31	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
2-Methylphenol [95-48-7] ^	ND		ug/kg dry	1	27	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
2-Nitroaniline [88-74-4] ^	ND		ug/kg dry	1	33	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
2-Nitrophenol [88-75-5] ^	ND		ug/kg dry	1	34	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	ND		ug/kg dry	1	28	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	ND		ug/kg dry	1	110	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
3-Nitroaniline [99-09-2] ^	ND		ug/kg dry	1	39	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	ND		ug/kg dry	1	29	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	ND		ug/kg dry	1	36	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
4-Chloroaniline [106-47-8] ^	ND		ug/kg dry	1	100	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	ND		ug/kg dry	1	28	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
4-Nitroaniline [100-01-6] ^	ND		ug/kg dry	1	58	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
4-Nitrophenol [100-02-7] ^	ND		ug/kg dry	1	34	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Acenaphthene [83-32-9] ^	ND		ug/kg dry	1	31	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Acenaphthylene [208-96-8] ^	ND		ug/kg dry	1	31	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Anthracene [120-12-7] ^	ND		ug/kg dry	1	41	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Benzidine [92-87-5] ^	ND		ug/kg dry	1	120	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Benzo(a)anthracene [56-55-3] ^	ND		ug/kg dry	1	31	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Benzo(a)pyrene [50-32-8] ^	ND		ug/kg dry	1	36	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Benzo(b)fluoranthene [205-99-2] ^	ND		ug/kg dry	1	20	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	ND		ug/kg dry	1	51	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Benzo(k)fluoranthene [207-08-9] ^	ND		ug/kg dry	1	36	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Benzoic acid [65-85-0] ^	ND		ug/kg dry	1	160	1900	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Benzyl alcohol [100-51-6] ^	ND		ug/kg dry	1	25	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	ND		ug/kg dry	1	27	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	ND		ug/kg dry	1	47	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	ND		ug/kg dry	1	26	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	ND		ug/kg dry	1	38	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Butylbenzylphthalate [85-68-7] ^	ND		ug/kg dry	1	44	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Chrysene [218-01-9] ^	ND		ug/kg dry	1	33	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	ND		ug/kg dry	1	56	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Dibenzofuran [132-64-9] ^	ND		ug/kg dry	1	29	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Diethylphthalate [84-66-2] ^	ND		ug/kg dry	1	31	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Dimethylphthalate [131-11-3] ^	ND		ug/kg dry	1	36	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Di-n-butylphthalate [84-74-2] ^	ND		ug/kg dry	1	45	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Di-n-octylphthalate [117-84-0] ^	ND		ug/kg dry	1	36	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	

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Description:	Soil #1	**Lab Sample ID:**	C213038-01	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:10	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	91.75

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0] ^	ND		ug/kg dry	1	39	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Fluorene [86-73-7] ^	ND		ug/kg dry	1	32	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Hexachlorobenzene [118-74-1] ^	ND		ug/kg dry	1	28	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Hexachlorobutadiene [87-68-3] ^	ND		ug/kg dry	1	28	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	ND		ug/kg dry	1	43	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Hexachloroethane [67-72-1] ^	ND		ug/kg dry	1	23	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	ND		ug/kg dry	1	51	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Isophorone [78-59-1] ^	ND		ug/kg dry	1	33	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Naphthalene [91-20-3] ^	ND		ug/kg dry	1	31	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Nitrobenzene [98-95-3] ^	ND		ug/kg dry	1	28	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
N-Nitrosodimethylamine [62-75-9] ^	ND		ug/kg dry	1	23	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	ND		ug/kg dry	1	88	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	ND		ug/kg dry	1	59	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Pentachlorophenol [87-86-5] ^	ND		ug/kg dry	1	36	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Phenanthrene [85-01-8] ^	ND		ug/kg dry	1	29	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Phenol [108-95-2] ^	ND		ug/kg dry	1	24	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Pyrene [129-00-0] ^	ND		ug/kg dry	1	41	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	
Pyridine [110-86-1] ^	ND		ug/kg dry	1	89	360	2K06021	EPA 8270D	11/09/12 20:43	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*3100*	*1*	*3630*	*85 %*	*28-130*	*2K06021*	*EPA 8270D*	*11/09/12 20:43*	*DFM*	
2-Fluorobiphenyl	*1600*	*1*	*1820*	*86 %*	*56-120*	*2K06021*	*EPA 8270D*	*11/09/12 20:43*	*DFM*	
2-Fluorophenol	*2500*	*1*	*3630*	*68 %*	*49-126*	*2K06021*	*EPA 8270D*	*11/09/12 20:43*	*DFM*	
Nitrobenzene-d5	*1400*	*1*	*1820*	*77 %*	*50-117*	*2K06021*	*EPA 8270D*	*11/09/12 20:43*	*DFM*	
Phenol-d5	*2700*	*1*	*3630*	*73 %*	*56-120*	*2K06021*	*EPA 8270D*	*11/09/12 20:43*	*DFM*	
Terphenyl-d14	*1700*	*1*	*1820*	*92 %*	*36-151*	*2K06021*	*EPA 8270D*	*11/09/12 20:43*	*DFM*	

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Description:	Soil #1	**Lab Sample ID:**	C213038-01	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:10	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	91.75

Gasoline Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
GRO (C6-C10) [ECL-0069] ^	ND		mg/kg dry	1	2.4	9.6	2K06006	EPA 8015C	11/06/12 19:51	BJG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene	*26*	*1*	*17.4*	*151 %*	*59-168*	*2K06006*	*EPA 8015C*	*11/06/12 19:51*	*BJG*	

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Description:	Soil #1	**Lab Sample ID:**	C213038-01	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:10	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	91.75

Volatile Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
C5-C8 Aliphatics [ECL-0022] ^	ND		mg/kg dry	1	2.08	13.3	2K07013	MAVPH	11/09/12 11:42	BJG	
C9-C10 Aromatics [ECL-0024] ^	ND		mg/kg dry	1	1.33	4.43	2K07013	MAVPH	11/09/12 11:42	BJG	
C9-C12 Aliphatics [ECL-0025] ^	ND		mg/kg dry	1	6.65	13.3	2K07013	MAVPH	11/09/12 11:42	BJG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene (FID)	*54.0*	*1*	*44.3*	*122 %*	*70-130*	*2K07013*	*MAVPH*	*11/09/12 11:42*	*BJG*	
2,5-Dibromotoluene (PID)	*56.9*	*1*	*44.3*	*128 %*	*70-130*	*2K07013*	*MAVPH*	*11/09/12 11:42*	*BJG*	

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Description:	Soil #1	**Lab Sample ID:**	C213038-01	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:10	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	91.75

Extractable Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
C11-C22 Aromatics [ECL-0020] ^	ND		mg/kg dry	1	0.4	18	2K08014	MAEPH	11/09/12 18:27	MSZ	
C19-C36 Aliphatics [ECL-0021] ^	ND		mg/kg dry	1	0.3	18	2K08014	MAEPH	11/09/12 18:27	MSZ	
C9-C18 Aliphatics [ECL-0026] ^	ND		mg/kg dry	1	0.5	18	2K08014	MAEPH	11/09/12 18:27	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
Chloro-octadecane	*1.9*	*1*	*1.45*	*132 %*	*40-140*	*2K08014*	*MAEPH*	*11/09/12 18:27*	*MSZ*	
o-Terphenyl	*1.9*	*1*	*1.45*	*133 %*	*40-140*	*2K08014*	*MAEPH*	*11/09/12 18:27*	*MSZ*	

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Description:	Soil #1	**Lab Sample ID:**	C213038-01	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:10	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	91.75

Diesel Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
DRO (C10-C28) [ECL-0057] ^	**2.9**	J	mg/kg dry	1	0.85	3.6	2K05020	EPA 8015C	11/07/12 14:17	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
o-Terphenyl	*1.7*	*1*	*1.82*	*93 %*	*51-138*	*2K05020*	*EPA 8015C*	*11/07/12 14:17*	*MSZ*	

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Description:	Soil #1	**Lab Sample ID:**	C213038-01	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:10	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	91.75

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	**3.68**		mg/kg dry	1	0.109	0.545	2K06018	EPA 6010C	11/07/12 13:34	JDH	
Barium [7440-39-3] ^	**43.1**		mg/kg dry	1	0.109	0.545	2K06018	EPA 6010C	11/07/12 13:34	JDH	
Cadmium [7440-43-9] ^	**0.0857**		mg/kg dry	1	0.0105	0.0545	2K06018	EPA 6010C	11/07/12 13:34	JDH	
Chromium [7440-47-3] ^	**9.02**		mg/kg dry	1	0.109	0.545	2K06018	EPA 6010C	11/07/12 13:34	JDH	
Lead [7439-92-1] ^	**11.7**		mg/kg dry	1	0.131	0.545	2K06018	EPA 6010C	11/07/12 13:34	JDH	
Mercury [7439-97-6] ^	**0.0233**	J	mg/kg dry	1	0.00752	0.0262	2K09016	EPA 7471B	11/09/12 16:57	T1D	
Selenium [7782-49-2] ^	ND		mg/kg dry	1	0.109	0.545	2K06018	EPA 6010C	11/07/12 13:34	JDH	
Silver [7440-22-4] ^	**0.661**		mg/kg dry	1	0.109	0.545	2K06018	EPA 6010C	11/07/12 13:34	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description:	Soil #2	**Lab Sample ID:**	C213038-02	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:20	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	88.28

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	ND		ug/kg dry	1	0.28	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	ND		ug/kg dry	1	0.23	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
1,1,2-Trichloroethane [79-00-5] ^	ND		ug/kg dry	1	0.28	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
1,1-Dichloroethane [75-34-3] ^	ND		ug/kg dry	1	0.28	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
1,1-Dichloroethene [75-35-4] ^	ND		ug/kg dry	1	0.34	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
1,1-Dichloropropene [563-58-6] ^	ND		ug/kg dry	1	0.18	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	ND		ug/kg dry	1	0.32	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
1,2,3-Trichloropropane [96-18-4] ^	ND		ug/kg dry	1	0.73	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	ND		ug/kg dry	1	0.31	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	ND		ug/kg dry	1	0.19	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
1,2-Dibromoethane [106-93-4] ^	ND		ug/kg dry	1	0.52	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
1,2-Dichlorobenzene [95-50-1] ^	ND		ug/kg dry	1	0.31	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
1,2-Dichloroethane [107-06-2] ^	ND		ug/kg dry	1	0.46	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
1,2-Dichloropropane [78-87-5] ^	ND		ug/kg dry	1	0.29	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	ND		ug/kg dry	1	0.23	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
1,3-Dichlorobenzene [541-73-1] ^	ND		ug/kg dry	1	0.25	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
1,3-Dichloropropane [142-28-9] ^	ND		ug/kg dry	1	0.33	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
1,4-Dichlorobenzene [106-46-7] ^	ND		ug/kg dry	1	0.23	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
2,2-Dichloropropane [594-20-7] ^	ND		ug/kg dry	1	0.26	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
2-Butanone [78-93-3] ^	ND		ug/kg dry	1	0.88	5.7	2K06008	EPA 8260B	11/07/12 09:09	JKG	
2-Chlorotoluene [95-49-8] ^	ND		ug/kg dry	1	0.20	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
2-Hexanone [591-78-6] ^	ND		ug/kg dry	1	0.85	5.7	2K06008	EPA 8260B	11/07/12 09:09	JKG	
4-Chlorotoluene [106-43-4] ^	ND		ug/kg dry	1	0.29	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
4-Isopropyltoluene [99-87-6] ^	ND		ug/kg dry	1	0.18	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
4-Methyl-2-pentanone [108-10-1] ^	ND		ug/kg dry	1	0.65	5.7	2K06008	EPA 8260B	11/07/12 09:09	JKG	
Acetone [67-64-1] ^	**5.4**	J	ug/kg dry	1	1.6	5.7	2K06008	EPA 8260B	11/07/12 09:09	JKG	
Benzene [71-43-2] ^	ND		ug/kg dry	1	0.19	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
Bromobenzene [108-86-1] ^	ND		ug/kg dry	1	0.25	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
Bromochloromethane [74-97-5] ^	ND		ug/kg dry	1	0.46	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
Bromodichloromethane [75-27-4] ^	ND		ug/kg dry	1	0.27	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
Bromoform [75-25-2] ^	ND		ug/kg dry	1	0.51	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
Bromomethane [74-83-9] ^	ND		ug/kg dry	1	0.36	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
Carbon Tetrachloride [56-23-5] ^	ND		ug/kg dry	1	0.25	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
Chlorobenzene [108-90-7] ^	ND		ug/kg dry	1	0.19	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
Chloroethane [75-00-3] ^	ND		ug/kg dry	1	0.28	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
Chloroform [67-66-3] ^	ND		ug/kg dry	1	0.20	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
Chloromethane [74-87-3] ^	ND		ug/kg dry	1	0.24	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	ND		ug/kg dry	1	0.26	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	ND		ug/kg dry	1	0.19	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
Dibromochloromethane [124-48-1] ^	ND		ug/kg dry	1	0.40	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
Dichlorodifluoromethane [75-71-8] ^	ND		ug/kg dry	1	0.51	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
Ethylbenzene [100-41-4] ^	ND		ug/kg dry	1	0.23	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
Isopropyl Ether [108-20-3] ^	ND		ug/kg dry	1	0.20	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
Isopropylbenzene [98-82-8] ^	ND		ug/kg dry	1	0.17	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
Methylene Chloride [75-09-2] ^	ND		ug/kg dry	1	0.83	2.3	2K06008	EPA 8260B	11/07/12 09:09	JKG	
Methyl-tert-Butyl Ether [1634-04-4] ^	ND		ug/kg dry	1	0.34	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
Naphthalene [91-20-3] ^	ND		ug/kg dry	1	0.31	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
n-Butyl Benzene [104-51-8] ^	ND		ug/kg dry	1	0.15	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
n-Propyl Benzene [103-65-1] ^	ND		ug/kg dry	1	0.20	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
sec-Butylbenzene [135-98-8] ^	ND		ug/kg dry	1	1.1	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
Styrene [100-42-5] ^	ND		ug/kg dry	1	1.1	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	

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Description:	Soil #2	**Lab Sample ID:**	C213038-02	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:20	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	88.28

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
tert-Butylbenzene [98-06-6] ^	ND		ug/kg dry	1	0.19	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
Tetrachloroethene [127-18-4] ^	ND		ug/kg dry	1	0.32	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
Toluene [108-88-3] ^	ND		ug/kg dry	1	0.27	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	ND		ug/kg dry	1	0.42	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	ND		ug/kg dry	1	0.44	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
Trichloroethene [79-01-6] ^	ND		ug/kg dry	1	0.36	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
Trichlorofluoromethane [75-69-4] ^	ND		ug/kg dry	1	0.29	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
Vinyl acetate [108-05-4] ^	ND		ug/kg dry	1	0.53	5.7	2K06008	EPA 8260B	11/07/12 09:09	JKG	
Vinyl chloride [75-01-4] ^	ND		ug/kg dry	1	0.27	1.1	2K06008	EPA 8260B	11/07/12 09:09	JKG	
Xylenes (Total) [1330-20-7] ^	ND		ug/kg dry	1	0.63	3.4	2K06008	EPA 8260B	11/07/12 09:09	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*86 %*	*61-118*	*2K06008*	*EPA 8260B*	*11/07/12 09:09*	*JKG*	
Dibromofluoromethane	*40*	*1*	*50.0*	*81 %*	*66-114*	*2K06008*	*EPA 8260B*	*11/07/12 09:09*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*63-118*	*2K06008*	*EPA 8260B*	*11/07/12 09:09*	*JKG*	

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Description:	Soil #2	**Lab Sample ID:**	C213038-02	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:20	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	88.28

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	ND		ug/kg dry	1	29	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
1,2-Dichlorobenzene [95-50-1] ^	ND		ug/kg dry	1	26	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
1,3-Dichlorobenzene [541-73-1] ^	ND		ug/kg dry	1	23	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
1,4-Dichlorobenzene [106-46-7] ^	ND		ug/kg dry	1	24	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
1-Methylnaphthalene [90-12-0] ^	ND		ug/kg dry	1	31	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	ND		ug/kg dry	1	31	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	ND		ug/kg dry	1	31	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
2,4-Dichlorophenol [120-83-2] ^	ND		ug/kg dry	1	27	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
2,4-Dimethylphenol [105-67-9] ^	ND		ug/kg dry	1	49	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
2,4-Dinitrophenol [51-28-5] ^	ND		ug/kg dry	1	49	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
2,4-Dinitrotoluene [121-14-2] ^	ND		ug/kg dry	1	32	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
2,6-Dinitrotoluene [606-20-2] ^	ND		ug/kg dry	1	35	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
2-Chloronaphthalene [91-58-7] ^	ND		ug/kg dry	1	32	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
2-Chlorophenol [95-57-8] ^	ND		ug/kg dry	1	28	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	ND		ug/kg dry	1	37	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
2-Methylnaphthalene [91-57-6] ^	ND		ug/kg dry	1	32	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
2-Methylphenol [95-48-7] ^	ND		ug/kg dry	1	28	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
2-Nitroaniline [88-74-4] ^	ND		ug/kg dry	1	34	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
2-Nitrophenol [88-75-5] ^	ND		ug/kg dry	1	35	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	ND		ug/kg dry	1	29	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	ND		ug/kg dry	1	110	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
3-Nitroaniline [99-09-2] ^	ND		ug/kg dry	1	41	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	ND		ug/kg dry	1	31	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	ND		ug/kg dry	1	37	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
4-Chloroaniline [106-47-8] ^	ND		ug/kg dry	1	110	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	ND		ug/kg dry	1	29	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
4-Nitroaniline [100-01-6] ^	ND		ug/kg dry	1	60	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
4-Nitrophenol [100-02-7] ^	ND		ug/kg dry	1	35	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Acenaphthene [83-32-9] ^	ND		ug/kg dry	1	32	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Acenaphthylene [208-96-8] ^	ND		ug/kg dry	1	32	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Anthracene [120-12-7] ^	ND		ug/kg dry	1	43	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Benzidine [92-87-5] ^	ND		ug/kg dry	1	120	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Benzo(a)anthracene [56-55-3] ^	ND		ug/kg dry	1	32	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Benzo(a)pyrene [50-32-8] ^	ND		ug/kg dry	1	37	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Benzo(b)fluoranthene [205-99-2] ^	ND		ug/kg dry	1	20	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	ND		ug/kg dry	1	53	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Benzo(k)fluoranthene [207-08-9] ^	ND		ug/kg dry	1	37	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Benzoic acid [65-85-0] ^	ND		ug/kg dry	1	170	1900	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Benzyl alcohol [100-51-6] ^	ND		ug/kg dry	1	26	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	ND		ug/kg dry	1	28	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	ND		ug/kg dry	1	49	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	ND		ug/kg dry	1	27	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	ND		ug/kg dry	1	40	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Butylbenzylphthalate [85-68-7] ^	ND		ug/kg dry	1	45	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Chrysene [218-01-9] ^	ND		ug/kg dry	1	34	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	ND		ug/kg dry	1	58	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Dibenzofuran [132-64-9] ^	ND		ug/kg dry	1	31	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Diethylphthalate [84-66-2] ^	ND		ug/kg dry	1	32	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Dimethylphthalate [131-11-3] ^	ND		ug/kg dry	1	37	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Di-n-butylphthalate [84-74-2] ^	ND		ug/kg dry	1	46	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Di-n-octylphthalate [117-84-0] ^	ND		ug/kg dry	1	37	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	

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Description:	Soil #2	**Lab Sample ID:**	C213038-02	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:20	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	88.28

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0] ^	ND		ug/kg dry	1	41	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Fluorene [86-73-7] ^	ND		ug/kg dry	1	33	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Hexachlorobenzene [118-74-1] ^	ND		ug/kg dry	1	29	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Hexachlorobutadiene [87-68-3] ^	ND		ug/kg dry	1	29	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	ND		ug/kg dry	1	44	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Hexachloroethane [67-72-1] ^	ND		ug/kg dry	1	24	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	ND		ug/kg dry	1	53	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Isophorone [78-59-1] ^	ND		ug/kg dry	1	34	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Naphthalene [91-20-3] ^	ND		ug/kg dry	1	32	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Nitrobenzene [98-95-3] ^	ND		ug/kg dry	1	29	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
N-Nitrosodimethylamine [62-75-9] ^	ND		ug/kg dry	1	24	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	ND		ug/kg dry	1	92	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	ND		ug/kg dry	1	61	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Pentachlorophenol [87-86-5] ^	ND		ug/kg dry	1	37	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Phenanthrene [85-01-8] ^	ND		ug/kg dry	1	31	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Phenol [108-95-2] ^	ND		ug/kg dry	1	25	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Pyrene [129-00-0] ^	ND		ug/kg dry	1	43	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	
Pyridine [110-86-1] ^	ND		ug/kg dry	1	93	370	2K06021	EPA 8270D	11/09/12 21:13	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*3300*	*1*	*3780*	*87 %*	*28-130*	*2K06021*	*EPA 8270D*	*11/09/12 21:13*	*DFM*	
2-Fluorobiphenyl	*1700*	*1*	*1890*	*89 %*	*56-120*	*2K06021*	*EPA 8270D*	*11/09/12 21:13*	*DFM*	
2-Fluorophenol	*2700*	*1*	*3780*	*72 %*	*49-126*	*2K06021*	*EPA 8270D*	*11/09/12 21:13*	*DFM*	
Nitrobenzene-d5	*1600*	*1*	*1890*	*83 %*	*50-117*	*2K06021*	*EPA 8270D*	*11/09/12 21:13*	*DFM*	
Phenol-d5	*2900*	*1*	*3780*	*76 %*	*56-120*	*2K06021*	*EPA 8270D*	*11/09/12 21:13*	*DFM*	
Terphenyl-d14	*1800*	*1*	*1890*	*96 %*	*36-151*	*2K06021*	*EPA 8270D*	*11/09/12 21:13*	*DFM*	

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Description:	Soil #2	**Lab Sample ID:**	C213038-02	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:20	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	88.28

Gasoline Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
GRO (C6-C10) [ECL-0069] ^	ND		mg/kg dry	1	3.9	15	2K06006	EPA 8015C	11/06/12 20:23	BJG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene	*58*	*1*	*28.0*	*206 %*	*59-168*	*2K06006*	*EPA 8015C*	*11/06/12 20:23*	*BJG*	*QS-03*

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Description:	Soil #2	**Lab Sample ID:**	C213038-02	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:20	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	88.28

Volatile Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
C5-C8 Aliphatics [ECL-0022] ^	ND		mg/kg dry	1	0.657	4.20	2K07013	MAVPH	11/08/12 14:33	BJG	
C9-C10 Aromatics [ECL-0024] ^	ND		mg/kg dry	1	0.420	1.40	2K07013	MAVPH	11/08/12 14:33	BJG	
C9-C12 Aliphatics [ECL-0025] ^	ND		mg/kg dry	1	2.10	4.20	2K07013	MAVPH	11/08/12 14:33	BJG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene (FID)	*9.80*	*1*	*14.0*	*70 %*	*70-130*	*2K07013*	*MAVPH*	*11/08/12 14:33*	*BJG*	
2,5-Dibromotoluene (PID)	*12.6*	*1*	*14.0*	*90 %*	*70-130*	*2K07013*	*MAVPH*	*11/08/12 14:33*	*BJG*	

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Description:	Soil #2	**Lab Sample ID:**	C213038-02	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:20	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	88.28

Extractable Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
C11-C22 Aromatics [ECL-0020] ^	ND		mg/kg dry	1	0.4	19	2K08014	MAEPH	11/09/12 18:51	MSZ	
C19-C36 Aliphatics [ECL-0021] ^	ND		mg/kg dry	1	0.3	19	2K08014	MAEPH	11/09/12 18:51	MSZ	
C9-C18 Aliphatics [ECL-0026] ^	ND		mg/kg dry	1	0.5	19	2K08014	MAEPH	11/09/12 18:51	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
Chloro-octadecane	*1.6*	*1*	*1.51*	*108 %*	*40-140*	*2K08014*	*MAEPH*	*11/09/12 18:51*	*MSZ*	
o-Terphenyl	*1.5*	*1*	*1.51*	*101 %*	*40-140*	*2K08014*	*MAEPH*	*11/09/12 18:51*	*MSZ*	

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Description:	Soil #2	**Lab Sample ID:**	C213038-02	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:20	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	88.28

Diesel Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
DRO (C10-C28) [ECL-0057] ^	**2.3**	J	mg/kg dry	1	0.88	3.7	2K05020	EPA 8015C	11/07/12 14:46	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
o-Terphenyl	*1.7*	*1*	*1.89*	*91 %*	*51-138*	*2K05020*	*EPA 8015C*	*11/07/12 14:46*	*MSZ*	

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Description:	Soil #2	**Lab Sample ID:**	C213038-02	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:20	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	88.28

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	**3.65**		mg/kg dry	1	0.113	0.566	2K06018	EPA 6010C	11/07/12 13:36	JDH	
Barium [7440-39-3] ^	**101**		mg/kg dry	1	0.113	0.566	2K06018	EPA 6010C	11/07/12 13:36	JDH	
Cadmium [7440-43-9] ^	ND		mg/kg dry	1	0.0109	0.0566	2K06018	EPA 6010C	11/07/12 13:36	JDH	
Chromium [7440-47-3] ^	**14.9**		mg/kg dry	1	0.113	0.566	2K06018	EPA 6010C	11/07/12 13:36	JDH	
Lead [7439-92-1] ^	**11.0**		mg/kg dry	1	0.136	0.566	2K06018	EPA 6010C	11/07/12 13:36	JDH	
Mercury [7439-97-6] ^	**0.0177**	J	mg/kg dry	1	0.00782	0.0272	2K09016	EPA 7471B	11/09/12 17:08	T1D	
Selenium [7782-49-2] ^	ND		mg/kg dry	1	0.113	0.566	2K06018	EPA 6010C	11/07/12 13:36	JDH	
Silver [7440-22-4] ^	**0.877**		mg/kg dry	1	0.113	0.566	2K06018	EPA 6010C	11/07/12 13:36	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Trip Blank | **Lab Sample ID:** C213038-03 | **Received:** 11/05/12 17:05

Matrix: Water | **Sampled:** 11/05/12 15:10 | **Work Order:** C213038

Project: Fogleman | **Sampled By:** ENCO

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	ND		ug/L	1	0.12	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	ND		ug/L	1	0.28	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
1,1,2-Trichloroethane [79-00-5] ^	ND		ug/L	1	0.14	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
1,1-Dichloroethane [75-34-3] ^	ND		ug/L	1	0.13	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
1,1-Dichloroethene [75-35-4] ^	ND		ug/L	1	0.21	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
1,1-Dichloropropene [563-58-6] ^	ND		ug/L	1	0.15	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	ND		ug/L	1	0.012	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
1,2,3-Trichloropropane [96-18-4] ^	ND		ug/L	1	0.23	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	ND		ug/L	1	0.14	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	ND		ug/L	1	0.10	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
1,2-Dibromoethane [106-93-4] ^	ND		ug/L	1	0.66	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
1,2-Dichlorobenzene [95-50-1] ^	ND		ug/L	1	0.19	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
1,2-Dichloroethane [107-06-2] ^	ND		ug/L	1	0.21	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
1,2-Dichloropropane [78-87-5] ^	ND		ug/L	1	0.10	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	ND		ug/L	1	0.30	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
1,3-Dichlorobenzene [541-73-1] ^	ND		ug/L	1	0.15	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
1,3-Dichloropropane [142-28-9] ^	ND		ug/L	1	0.16	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
1,4-Dichlorobenzene [106-46-7] ^	ND		ug/L	1	0.19	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
2,2-Dichloropropane [594-20-7] ^	ND		ug/L	1	0.28	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
2-Butanone [78-93-3] ^	ND		ug/L	1	1.3	5.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
2-Chlorotoluene [95-49-8] ^	ND		ug/L	1	0.081	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
2-Hexanone [591-78-6] ^	ND		ug/L	1	0.88	5.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
4-Chlorotoluene [106-43-4] ^	ND		ug/L	1	0.068	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
4-Isopropyltoluene [99-87-6] ^	ND		ug/L	1	0.085	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
4-Methyl-2-pentanone [108-10-1] ^	ND		ug/L	1	1.1	5.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
Acetone [67-64-1] ^	ND		ug/L	1	1.2	5.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
Benzene [71-43-2] ^	ND		ug/L	1	0.15	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
Bromobenzene [108-86-1] ^	ND		ug/L	1	0.16	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
Bromochloromethane [74-97-5] ^	ND		ug/L	1	0.48	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
Bromodichloromethane [75-27-4] ^	ND		ug/L	1	0.17	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
Bromoform [75-25-2] ^	ND		ug/L	1	0.22	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
Bromomethane [74-83-9] ^	ND		ug/L	1	0.14	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
Carbon tetrachloride [56-23-5] ^	ND		ug/L	1	0.17	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
Chlorobenzene [108-90-7] ^	ND		ug/L	1	0.17	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
Chloroethane [75-00-3] ^	ND		ug/L	1	0.23	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
Chloroform [67-66-3] ^	ND		ug/L	1	0.18	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
Chloromethane [74-87-3] ^	ND		ug/L	1	0.13	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	ND		ug/L	1	0.15	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	ND		ug/L	1	0.20	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
Dibromochloromethane [124-48-1] ^	ND		ug/L	1	0.17	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
Dichlorodifluoromethane [75-71-8] ^	ND		ug/L	1	0.20	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
Ethylbenzene [100-41-4] ^	ND		ug/L	1	0.13	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
Isopropyl Ether [108-20-3] ^	ND		ug/L	1	0.054	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
Isopropylbenzene [98-82-8] ^	ND		ug/L	1	0.14	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
Methylene chloride [75-09-2] ^	ND		ug/L	1	0.23	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
Methyl-tert-Butyl Ether [1634-04-4] ^	ND		ug/L	1	0.16	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
Naphthalene [91-20-3] ^	ND		ug/L	1	0.11	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
n-Butyl Benzene [104-51-8] ^	ND		ug/L	1	0.058	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
n-Propyl Benzene [103-65-1] ^	ND		ug/L	1	0.12	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
sec-Butylbenzene [135-98-8] ^	ND		ug/L	1	0.10	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
Styrene [100-42-5] ^	ND		ug/L	1	0.11	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	

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Description: Trip Blank
Matrix: Water
Project: Fogleman

Lab Sample ID: C213038-03
Sampled: 11/05/12 15:10
Sampled By: ENCO

Received: 11/05/12 17:05
Work Order: C213038

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
tert-Butylbenzene [98-06-6] ^	ND		ug/L	1	0.17	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
Tetrachloroethene [127-18-4] ^	ND		ug/L	1	0.17	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
Toluene [108-88-3] ^	ND		ug/L	1	0.14	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	ND		ug/L	1	0.21	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	ND		ug/L	1	0.15	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
Trichloroethene [79-01-6] ^	ND		ug/L	1	0.15	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
Trichlorofluoromethane [75-69-4] ^	ND		ug/L	1	0.24	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
Vinyl acetate [108-05-4] ^	ND		ug/L	1	0.95	5.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
Vinyl chloride [75-01-4] ^	ND		ug/L	1	0.32	1.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	
Xylenes (Total) [1330-20-7] ^	ND		ug/L	1	0.45	3.0	2K07010	EPA 8260B	11/07/12 16:35	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*42*	*1*	*50.0*	*84 %*	*51-122*	*2K07010*	*EPA 8260B*	*11/07/12 16:35*	*JKG*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*68-117*	*2K07010*	*EPA 8260B*	*11/07/12 16:35*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*91 %*	*67-127*	*2K07010*	*EPA 8260B*	*11/07/12 16:35*	*JKG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description:	Soil #3	**Lab Sample ID:**	C213038-04	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:35	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	96.45

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	ND		ug/kg dry	1	0.34	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	ND		ug/kg dry	1	0.27	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
1,1,2-Trichloroethane [79-00-5] ^	ND		ug/kg dry	1	0.34	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
1,1-Dichloroethane [75-34-3] ^	ND		ug/kg dry	1	0.34	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
1,1-Dichloroethene [75-35-4] ^	ND		ug/kg dry	1	0.41	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
1,1-Dichloropropene [563-58-6] ^	ND		ug/kg dry	1	0.22	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	ND		ug/kg dry	1	0.38	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
1,2,3-Trichloropropane [96-18-4] ^	ND		ug/kg dry	1	0.87	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	ND		ug/kg dry	1	0.37	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	ND		ug/kg dry	1	0.23	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
1,2-Dibromoethane [106-93-4] ^	ND		ug/kg dry	1	0.63	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
1,2-Dichlorobenzene [95-50-1] ^	ND		ug/kg dry	1	0.37	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
1,2-Dichloroethane [107-06-2] ^	ND		ug/kg dry	1	0.56	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
1,2-Dichloropropane [78-87-5] ^	ND		ug/kg dry	1	0.35	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	ND		ug/kg dry	1	0.27	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
1,3-Dichlorobenzene [541-73-1] ^	ND		ug/kg dry	1	0.30	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
1,3-Dichloropropane [142-28-9] ^	ND		ug/kg dry	1	0.39	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
1,4-Dichlorobenzene [106-46-7] ^	ND		ug/kg dry	1	0.27	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
2,2-Dichloropropane [594-20-7] ^	ND		ug/kg dry	1	0.31	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
2-Butanone [78-93-3] ^	ND		ug/kg dry	1	1.1	6.8	2K06008	EPA 8260B	11/07/12 09:39	JKG	
2-Chlorotoluene [95-49-8] ^	ND		ug/kg dry	1	0.24	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
2-Hexanone [591-78-6] ^	ND		ug/kg dry	1	1.0	6.8	2K06008	EPA 8260B	11/07/12 09:39	JKG	
4-Chlorotoluene [106-43-4] ^	ND		ug/kg dry	1	0.35	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
4-Isopropyltoluene [99-87-6] ^	ND		ug/kg dry	1	0.22	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
4-Methyl-2-pentanone [108-10-1] ^	ND		ug/kg dry	1	0.78	6.8	2K06008	EPA 8260B	11/07/12 09:39	JKG	
Acetone [67-64-1] ^	ND		ug/kg dry	1	1.9	6.8	2K06008	EPA 8260B	11/07/12 09:39	JKG	
Benzene [71-43-2] ^	ND		ug/kg dry	1	0.23	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
Bromobenzene [108-86-1] ^	ND		ug/kg dry	1	0.30	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
Bromochloromethane [74-97-5] ^	ND		ug/kg dry	1	0.56	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
Bromodichloromethane [75-27-4] ^	ND		ug/kg dry	1	0.33	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
Bromoform [75-25-2] ^	ND		ug/kg dry	1	0.61	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
Bromomethane [74-83-9] ^	ND		ug/kg dry	1	0.44	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
Carbon Tetrachloride [56-23-5] ^	ND		ug/kg dry	1	0.30	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
Chlorobenzene [108-90-7] ^	ND		ug/kg dry	1	0.23	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
Chloroethane [75-00-3] ^	ND		ug/kg dry	1	0.34	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
Chloroform [67-66-3] ^	ND		ug/kg dry	1	0.24	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
Chloromethane [74-87-3] ^	ND		ug/kg dry	1	0.29	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	ND		ug/kg dry	1	0.31	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	ND		ug/kg dry	1	0.23	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
Dibromochloromethane [124-48-1] ^	ND		ug/kg dry	1	0.48	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
Dichlorodifluoromethane [75-71-8] ^	ND		ug/kg dry	1	0.61	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
Ethylbenzene [100-41-4] ^	ND		ug/kg dry	1	0.27	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
Isopropyl Ether [108-20-3] ^	ND		ug/kg dry	1	0.24	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
Isopropylbenzene [98-82-8] ^	ND		ug/kg dry	1	0.20	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
Methylene Chloride [75-09-2] ^	ND		ug/kg dry	1	0.99	2.7	2K06008	EPA 8260B	11/07/12 09:39	JKG	
Methyl-tert-Butyl Ether [1634-04-4] ^	ND		ug/kg dry	1	0.41	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
Naphthalene [91-20-3] ^	ND		ug/kg dry	1	0.37	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
n-Butyl Benzene [104-51-8] ^	ND		ug/kg dry	1	0.18	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
n-Propyl Benzene [103-65-1] ^	ND		ug/kg dry	1	0.24	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
sec-Butylbenzene [135-98-8] ^	ND		ug/kg dry	1	1.3	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
Styrene [100-42-5] ^	ND		ug/kg dry	1	1.3	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	

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Description:	Soil #3	**Lab Sample ID:**	C213038-04	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:35	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	96.45

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
tert-Butylbenzene [98-06-6] ^	ND		ug/kg dry	1	0.23	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
Tetrachloroethene [127-18-4] ^	ND		ug/kg dry	1	0.38	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
Toluene [108-88-3] ^	ND		ug/kg dry	1	0.33	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	ND		ug/kg dry	1	0.50	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	ND		ug/kg dry	1	0.53	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
Trichloroethene [79-01-6] ^	ND		ug/kg dry	1	0.44	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
Trichlorofluoromethane [75-69-4] ^	ND		ug/kg dry	1	0.35	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
Vinyl acetate [108-05-4] ^	ND		ug/kg dry	1	0.64	6.8	2K06008	EPA 8260B	11/07/12 09:39	JKG	
Vinyl chloride [75-01-4] ^	ND		ug/kg dry	1	0.33	1.4	2K06008	EPA 8260B	11/07/12 09:39	JKG	
Xylenes (Total) [1330-20-7] ^	ND		ug/kg dry	1	0.76	4.1	2K06008	EPA 8260B	11/07/12 09:39	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*42*	*1*	*50.0*	*85 %*	*61-118*	*2K06008*	*EPA 8260B*	*11/07/12 09:39*	*JKG*	
Dibromofluoromethane	*40*	*1*	*50.0*	*81 %*	*66-114*	*2K06008*	*EPA 8260B*	*11/07/12 09:39*	*JKG*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*63-118*	*2K06008*	*EPA 8260B*	*11/07/12 09:39*	*JKG*	

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Description:	Soil #3	**Lab Sample ID:**	C213038-04	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:35	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	96.45

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	ND		ug/kg dry	1	27	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
1,2-Dichlorobenzene [95-50-1] ^	ND		ug/kg dry	1	24	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
1,3-Dichlorobenzene [541-73-1] ^	ND		ug/kg dry	1	21	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
1,4-Dichlorobenzene [106-46-7] ^	ND		ug/kg dry	1	22	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
1-Methylnaphthalene [90-12-0] ^	ND		ug/kg dry	1	28	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	ND		ug/kg dry	1	28	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	ND		ug/kg dry	1	28	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
2,4-Dichlorophenol [120-83-2] ^	ND		ug/kg dry	1	25	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
2,4-Dimethylphenol [105-67-9] ^	ND		ug/kg dry	1	45	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
2,4-Dinitrophenol [51-28-5] ^	ND		ug/kg dry	1	45	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
2,4-Dinitrotoluene [121-14-2] ^	ND		ug/kg dry	1	29	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
2,6-Dinitrotoluene [606-20-2] ^	ND		ug/kg dry	1	32	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
2-Chloronaphthalene [91-58-7] ^	ND		ug/kg dry	1	29	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
2-Chlorophenol [95-57-8] ^	ND		ug/kg dry	1	26	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	ND		ug/kg dry	1	34	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
2-Methylnaphthalene [91-57-6] ^	ND		ug/kg dry	1	29	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
2-Methylphenol [95-48-7] ^	ND		ug/kg dry	1	26	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
2-Nitroaniline [88-74-4] ^	ND		ug/kg dry	1	31	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
2-Nitrophenol [88-75-5] ^	ND		ug/kg dry	1	32	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	ND		ug/kg dry	1	27	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	ND		ug/kg dry	1	100	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
3-Nitroaniline [99-09-2] ^	ND		ug/kg dry	1	37	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	ND		ug/kg dry	1	28	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	ND		ug/kg dry	1	34	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
4-Chloroaniline [106-47-8] ^	ND		ug/kg dry	1	96	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	ND		ug/kg dry	1	27	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
4-Nitroaniline [100-01-6] ^	ND		ug/kg dry	1	55	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
4-Nitrophenol [100-02-7] ^	ND		ug/kg dry	1	32	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Acenaphthene [83-32-9] ^	ND		ug/kg dry	1	29	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Acenaphthylene [208-96-8] ^	ND		ug/kg dry	1	29	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Anthracene [120-12-7] ^	ND		ug/kg dry	1	39	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Benzidine [92-87-5] ^	ND		ug/kg dry	1	110	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Benzo(a)anthracene [56-55-3] ^	ND		ug/kg dry	1	29	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Benzo(a)pyrene [50-32-8] ^	ND		ug/kg dry	1	34	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Benzo(b)fluoranthene [205-99-2] ^	**37**	J	ug/kg dry	1	19	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	ND		ug/kg dry	1	49	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Benzo(k)fluoranthene [207-08-9] ^	ND		ug/kg dry	1	34	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Benzoic acid [65-85-0] ^	ND		ug/kg dry	1	160	1800	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Benzyl alcohol [100-51-6] ^	ND		ug/kg dry	1	24	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	ND		ug/kg dry	1	26	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	ND		ug/kg dry	1	45	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	ND		ug/kg dry	1	25	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	ND		ug/kg dry	1	36	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Butylbenzylphthalate [85-68-7] ^	ND		ug/kg dry	1	41	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Chrysene [218-01-9] ^	ND		ug/kg dry	1	31	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	ND		ug/kg dry	1	53	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Dibenzofuran [132-64-9] ^	ND		ug/kg dry	1	28	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Diethylphthalate [84-66-2] ^	ND		ug/kg dry	1	29	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Dimethylphthalate [131-11-3] ^	ND		ug/kg dry	1	34	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Di-n-butylphthalate [84-74-2] ^	ND		ug/kg dry	1	43	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Di-n-octylphthalate [117-84-0] ^	ND		ug/kg dry	1	34	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	

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Description:	Soil #3	**Lab Sample ID:**	C213038-04	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:35	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	96.45

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0] ^	**41**	J	ug/kg dry	1	37	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Fluorene [86-73-7] ^	ND		ug/kg dry	1	30	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Hexachlorobenzene [118-74-1] ^	ND		ug/kg dry	1	27	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Hexachlorobutadiene [87-68-3] ^	ND		ug/kg dry	1	27	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	ND		ug/kg dry	1	40	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Hexachloroethane [67-72-1] ^	ND		ug/kg dry	1	22	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	ND		ug/kg dry	1	49	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Isophorone [78-59-1] ^	ND		ug/kg dry	1	31	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Naphthalene [91-20-3] ^	ND		ug/kg dry	1	29	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Nitrobenzene [98-95-3] ^	ND		ug/kg dry	1	27	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
N-Nitrosodimethylamine [62-75-9] ^	ND		ug/kg dry	1	22	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	ND		ug/kg dry	1	84	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	ND		ug/kg dry	1	56	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Pentachlorophenol [87-86-5] ^	ND		ug/kg dry	1	34	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Phenanthrene [85-01-8] ^	ND		ug/kg dry	1	28	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Phenol [108-95-2] ^	ND		ug/kg dry	1	23	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Pyrene [129-00-0] ^	**39**	J	ug/kg dry	1	39	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	
Pyridine [110-86-1] ^	ND		ug/kg dry	1	85	340	2K06021	EPA 8270D	11/09/12 21:43	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*3000*	*1*	*3460*	*86 %*	*28-130*	*2K06021*	*EPA 8270D*	*11/09/12 21:43*	*DFM*	
2-Fluorobiphenyl	*1500*	*1*	*1730*	*85 %*	*56-120*	*2K06021*	*EPA 8270D*	*11/09/12 21:43*	*DFM*	
2-Fluorophenol	*2300*	*1*	*3460*	*68 %*	*49-126*	*2K06021*	*EPA 8270D*	*11/09/12 21:43*	*DFM*	
Nitrobenzene-d5	*1300*	*1*	*1730*	*77 %*	*50-117*	*2K06021*	*EPA 8270D*	*11/09/12 21:43*	*DFM*	
Phenol-d5	*2500*	*1*	*3460*	*73 %*	*56-120*	*2K06021*	*EPA 8270D*	*11/09/12 21:43*	*DFM*	
Terphenyl-d14	*1600*	*1*	*1730*	*93 %*	*36-151*	*2K06021*	*EPA 8270D*	*11/09/12 21:43*	*DFM*	

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Description:	Soil #3	**Lab Sample ID:**	C213038-04	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:35	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	96.45

Gasoline Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
GRO (C6-C10) [ECL-0069] ^	ND		mg/kg dry	1	1.7	6.8	2K06006	EPA 8015C	11/06/12 20:55	BJG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene	*14*	*1*	*12.4*	*115 %*	*59-168*	*2K06006*	*EPA 8015C*	*11/06/12 20:55*	*BJG*	

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Description:	Soil #3	**Lab Sample ID:**	C213038-04	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:35	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	96.45

Volatile Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
C5-C8 Aliphatics [ECL-0022] ^	ND		mg/kg dry	1	0.690	4.41	2K07013	MAVPH	11/08/12 15:03	BJG	
C9-C10 Aromatics [ECL-0024] ^	ND		mg/kg dry	1	0.441	1.47	2K07013	MAVPH	11/08/12 15:03	BJG	
C9-C12 Aliphatics [ECL-0025] ^	ND		mg/kg dry	1	2.20	4.41	2K07013	MAVPH	11/08/12 15:03	BJG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene (FID)	*11.2*	*1*	*14.7*	*77 %*	*70-130*	*2K07013*	*MAVPH*	*11/08/12 15:03*	*BJG*	
2,5-Dibromotoluene (PID)	*13.2*	*1*	*14.7*	*90 %*	*70-130*	*2K07013*	*MAVPH*	*11/08/12 15:03*	*BJG*	

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Description:	Soil #3	**Lab Sample ID:**	C213038-04	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:35	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	96.45

Extractable Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
C11-C22 Aromatics [ECL-0020] ^	ND		mg/kg dry	1	0.4	17	2K08014	MAEPH	11/09/12 19:15	MSZ	
C19-C36 Aliphatics [ECL-0021] ^	ND		mg/kg dry	1	0.2	17	2K08014	MAEPH	11/09/12 19:15	MSZ	
C9-C18 Aliphatics [ECL-0026] ^	ND		mg/kg dry	1	0.5	17	2K08014	MAEPH	11/09/12 19:15	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
Chloro-octadecane	*1.7*	*1*	*1.38*	*120 %*	*40-140*	*2K08014*	*MAEPH*	*11/09/12 19:15*	*MSZ*	
o-Terphenyl	*1.5*	*1*	*1.38*	*106 %*	*40-140*	*2K08014*	*MAEPH*	*11/09/12 19:15*	*MSZ*	

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Description:	Soil #3	**Lab Sample ID:**	C213038-04	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:35	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	96.45

Diesel Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
DRO (C10-C28) [ECL-0057] ^	**3.1**	J	mg/kg dry	1	0.81	3.4	2K05020	EPA 8015C	11/07/12 15:16	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
o-Terphenyl	*1.7*	*1*	*1.73*	*96 %*	*51-138*	*2K05020*	*EPA 8015C*	*11/07/12 15:16*	*MSZ*	

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Description:	Soil #3	**Lab Sample ID:**	C213038-04	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:35	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	96.45

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	**1.74**		mg/kg dry	1	0.104	0.518	2K06018	EPA 6010C	11/07/12 13:38	JDH	
Barium [7440-39-3] ^	**66.5**		mg/kg dry	1	0.104	0.518	2K06018	EPA 6010C	11/07/12 13:38	JDH	
Cadmium [7440-43-9] ^	ND		mg/kg dry	1	0.00995	0.0518	2K06018	EPA 6010C	11/07/12 13:38	JDH	
Chromium [7440-47-3] ^	**11.5**		mg/kg dry	1	0.104	0.518	2K06018	EPA 6010C	11/07/12 13:38	JDH	
Lead [7439-92-1] ^	**8.71**		mg/kg dry	1	0.124	0.518	2K06018	EPA 6010C	11/07/12 13:38	JDH	
Mercury [7439-97-6] ^	ND		mg/kg dry	1	0.00715	0.0249	2K09016	EPA 7471B	11/09/12 17:10	T1D	
Selenium [7782-49-2] ^	ND		mg/kg dry	1	0.104	0.518	2K06018	EPA 6010C	11/07/12 13:38	JDH	
Silver [7440-22-4] ^	**0.350**	J	mg/kg dry	1	0.104	0.518	2K06018	EPA 6010C	11/07/12 13:38	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description:	Soil #4	**Lab Sample ID:**	C213038-05	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:50	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	92.79

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	ND		ug/kg dry	1	0.16	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	ND		ug/kg dry	1	0.13	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
1,1,2-Trichloroethane [79-00-5] ^	ND		ug/kg dry	1	0.16	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
1,1-Dichloroethane [75-34-3] ^	ND		ug/kg dry	1	0.16	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
1,1-Dichloroethene [75-35-4] ^	ND		ug/kg dry	1	0.19	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
1,1-Dichloropropene [563-58-6] ^	ND		ug/kg dry	1	0.10	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	ND		ug/kg dry	1	0.18	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
1,2,3-Trichloropropane [96-18-4] ^	ND		ug/kg dry	1	0.41	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	ND		ug/kg dry	1	0.17	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	ND		ug/kg dry	1	0.11	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
1,2-Dibromoethane [106-93-4] ^	ND		ug/kg dry	1	0.30	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
1,2-Dichlorobenzene [95-50-1] ^	ND		ug/kg dry	1	0.17	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
1,2-Dichloroethane [107-06-2] ^	ND		ug/kg dry	1	0.26	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
1,2-Dichloropropane [78-87-5] ^	ND		ug/kg dry	1	0.17	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	ND		ug/kg dry	1	0.13	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
1,3-Dichlorobenzene [541-73-1] ^	ND		ug/kg dry	1	0.14	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
1,3-Dichloropropane [142-28-9] ^	ND		ug/kg dry	1	0.19	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
1,4-Dichlorobenzene [106-46-7] ^	ND		ug/kg dry	1	0.13	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
2,2-Dichloropropane [594-20-7] ^	ND		ug/kg dry	1	0.15	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
2-Butanone [78-93-3] ^	ND		ug/kg dry	1	0.50	3.2	2K06008	EPA 8260B	11/07/12 10:08	JKG	
2-Chlorotoluene [95-49-8] ^	ND		ug/kg dry	1	0.12	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
2-Hexanone [591-78-6] ^	ND		ug/kg dry	1	0.48	3.2	2K06008	EPA 8260B	11/07/12 10:08	JKG	
4-Chlorotoluene [106-43-4] ^	ND		ug/kg dry	1	0.17	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
4-Isopropyltoluene [99-87-6] ^	ND		ug/kg dry	1	0.10	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
4-Methyl-2-pentanone [108-10-1] ^	ND		ug/kg dry	1	0.37	3.2	2K06008	EPA 8260B	11/07/12 10:08	JKG	
Acetone [67-64-1] ^	ND		ug/kg dry	1	0.90	3.2	2K06008	EPA 8260B	11/07/12 10:08	JKG	
Benzene [71-43-2] ^	ND		ug/kg dry	1	0.11	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
Bromobenzene [108-86-1] ^	ND		ug/kg dry	1	0.14	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
Bromochloromethane [74-97-5] ^	ND		ug/kg dry	1	0.26	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
Bromodichloromethane [75-27-4] ^	ND		ug/kg dry	1	0.15	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
Bromoform [75-25-2] ^	ND		ug/kg dry	1	0.29	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
Bromomethane [74-83-9] ^	ND		ug/kg dry	1	0.21	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
Carbon Tetrachloride [56-23-5] ^	ND		ug/kg dry	1	0.14	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
Chlorobenzene [108-90-7] ^	ND		ug/kg dry	1	0.11	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
Chloroethane [75-00-3] ^	ND		ug/kg dry	1	0.16	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
Chloroform [67-66-3] ^	ND		ug/kg dry	1	0.12	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
Chloromethane [74-87-3] ^	ND		ug/kg dry	1	0.13	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	ND		ug/kg dry	1	0.15	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	ND		ug/kg dry	1	0.11	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
Dibromochloromethane [124-48-1] ^	ND		ug/kg dry	1	0.22	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
Dichlorodifluoromethane [75-71-8] ^	ND		ug/kg dry	1	0.29	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
Ethylbenzene [100-41-4] ^	ND		ug/kg dry	1	0.13	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
Isopropyl Ether [108-20-3] ^	ND		ug/kg dry	1	0.12	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
Isopropylbenzene [98-82-8] ^	ND		ug/kg dry	1	0.10	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
Methylene Chloride [75-09-2] ^	ND		ug/kg dry	1	0.47	1.3	2K06008	EPA 8260B	11/07/12 10:08	JKG	
Methyl-tert-Butyl Ether [1634-04-4] ^	ND		ug/kg dry	1	0.19	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
Naphthalene [91-20-3] ^	ND		ug/kg dry	1	0.17	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
n-Butyl Benzene [104-51-8] ^	ND		ug/kg dry	1	0.08	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
n-Propyl Benzene [103-65-1] ^	ND		ug/kg dry	1	0.12	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
sec-Butylbenzene [135-98-8] ^	ND		ug/kg dry	1	0.61	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
Styrene [100-42-5] ^	ND		ug/kg dry	1	0.63	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	

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Description:	Soil #4	**Lab Sample ID:**	C213038-05	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:50	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	92.79

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
tert-Butylbenzene [98-06-6] ^	ND		ug/kg dry	1	0.11	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
Tetrachloroethene [127-18-4] ^	ND		ug/kg dry	1	0.18	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
Toluene [108-88-3] ^	ND		ug/kg dry	1	0.15	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	ND		ug/kg dry	1	0.24	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	ND		ug/kg dry	1	0.25	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
Trichloroethene [79-01-6] ^	ND		ug/kg dry	1	0.21	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
Trichlorofluoromethane [75-69-4] ^	ND		ug/kg dry	1	0.17	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
Vinyl acetate [108-05-4] ^	ND		ug/kg dry	1	0.30	3.2	2K06008	EPA 8260B	11/07/12 10:08	JKG	
Vinyl chloride [75-01-4] ^	ND		ug/kg dry	1	0.15	0.64	2K06008	EPA 8260B	11/07/12 10:08	JKG	
Xylenes (Total) [1330-20-7] ^	ND		ug/kg dry	1	0.36	1.9	2K06008	EPA 8260B	11/07/12 10:08	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*83 %*	*61-118*	*2K06008*	*EPA 8260B*	*11/07/12 10:08*	*JKG*	
Dibromofluoromethane	*41*	*1*	*50.0*	*82 %*	*66-114*	*2K06008*	*EPA 8260B*	*11/07/12 10:08*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*63-118*	*2K06008*	*EPA 8260B*	*11/07/12 10:08*	*JKG*	

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Description:	Soil #4	**Lab Sample ID:**	C213038-05	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:50	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	92.79

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	ND		ug/kg dry	1	28	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
1,2-Dichlorobenzene [95-50-1] ^	ND		ug/kg dry	1	25	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
1,3-Dichlorobenzene [541-73-1] ^	ND		ug/kg dry	1	22	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
1,4-Dichlorobenzene [106-46-7] ^	ND		ug/kg dry	1	23	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
1-Methylnaphthalene [90-12-0] ^	ND		ug/kg dry	1	29	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	ND		ug/kg dry	1	29	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	ND		ug/kg dry	1	29	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
2,4-Dichlorophenol [120-83-2] ^	ND		ug/kg dry	1	26	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
2,4-Dimethylphenol [105-67-9] ^	ND		ug/kg dry	1	46	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
2,4-Dinitrophenol [51-28-5] ^	ND		ug/kg dry	1	46	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
2,4-Dinitrotoluene [121-14-2] ^	ND		ug/kg dry	1	30	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
2,6-Dinitrotoluene [606-20-2] ^	ND		ug/kg dry	1	33	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
2-Chloronaphthalene [91-58-7] ^	ND		ug/kg dry	1	30	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
2-Chlorophenol [95-57-8] ^	ND		ug/kg dry	1	27	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	ND		ug/kg dry	1	36	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
2-Methylnaphthalene [91-57-6] ^	ND		ug/kg dry	1	30	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
2-Methylphenol [95-48-7] ^	ND		ug/kg dry	1	27	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
2-Nitroaniline [88-74-4] ^	ND		ug/kg dry	1	32	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
2-Nitrophenol [88-75-5] ^	ND		ug/kg dry	1	33	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	ND		ug/kg dry	1	28	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	ND		ug/kg dry	1	110	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
3-Nitroaniline [99-09-2] ^	ND		ug/kg dry	1	39	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	ND		ug/kg dry	1	29	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	ND		ug/kg dry	1	36	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
4-Chloroaniline [106-47-8] ^	ND		ug/kg dry	1	100	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	ND		ug/kg dry	1	28	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
4-Nitroaniline [100-01-6] ^	ND		ug/kg dry	1	57	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
4-Nitrophenol [100-02-7] ^	ND		ug/kg dry	1	33	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Acenaphthene [83-32-9] ^	ND		ug/kg dry	1	30	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Acenaphthylene [208-96-8] ^	ND		ug/kg dry	1	30	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Anthracene [120-12-7] ^	ND		ug/kg dry	1	41	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Benzidine [92-87-5] ^	ND		ug/kg dry	1	120	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Benzo(a)anthracene [56-55-3] ^	ND		ug/kg dry	1	30	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Benzo(a)pyrene [50-32-8] ^	ND		ug/kg dry	1	36	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Benzo(b)fluoranthene [205-99-2] ^	ND		ug/kg dry	1	19	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	ND		ug/kg dry	1	51	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Benzo(k)fluoranthene [207-08-9] ^	ND		ug/kg dry	1	36	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Benzoic acid [65-85-0] ^	ND		ug/kg dry	1	160	1800	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Benzyl alcohol [100-51-6] ^	ND		ug/kg dry	1	25	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	ND		ug/kg dry	1	27	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	ND		ug/kg dry	1	46	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	ND		ug/kg dry	1	26	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	ND		ug/kg dry	1	38	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Butylbenzylphthalate [85-68-7] ^	ND		ug/kg dry	1	43	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Chrysene [218-01-9] ^	ND		ug/kg dry	1	32	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	ND		ug/kg dry	1	55	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Dibenzofuran [132-64-9] ^	ND		ug/kg dry	1	29	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Diethylphthalate [84-66-2] ^	ND		ug/kg dry	1	30	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Dimethylphthalate [131-11-3] ^	ND		ug/kg dry	1	36	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Di-n-butylphthalate [84-74-2] ^	ND		ug/kg dry	1	44	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Di-n-octylphthalate [117-84-0] ^	ND		ug/kg dry	1	36	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	

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Description:	Soil #4	**Lab Sample ID:**	C213038-05	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:50	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	92.79

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0] ^	ND		ug/kg dry	1	39	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Fluorene [86-73-7] ^	ND		ug/kg dry	1	31	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Hexachlorobenzene [118-74-1] ^	ND		ug/kg dry	1	28	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Hexachlorobutadiene [87-68-3] ^	ND		ug/kg dry	1	28	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	ND		ug/kg dry	1	42	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Hexachloroethane [67-72-1] ^	ND		ug/kg dry	1	23	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	ND		ug/kg dry	1	51	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Isophorone [78-59-1] ^	ND		ug/kg dry	1	32	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Naphthalene [91-20-3] ^	ND		ug/kg dry	1	30	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Nitrobenzene [98-95-3] ^	ND		ug/kg dry	1	28	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
N-Nitrosodimethylamine [62-75-9] ^	ND		ug/kg dry	1	23	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	ND		ug/kg dry	1	87	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	ND		ug/kg dry	1	58	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Pentachlorophenol [87-86-5] ^	ND		ug/kg dry	1	36	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Phenanthrene [85-01-8] ^	ND		ug/kg dry	1	29	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Phenol [108-95-2] ^	ND		ug/kg dry	1	24	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Pyrene [129-00-0] ^	ND		ug/kg dry	1	41	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	
Pyridine [110-86-1] ^	ND		ug/kg dry	1	88	360	2K06021	EPA 8270D	11/09/12 22:13	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*3300*	*1*	*3590*	*92 %*	*28-130*	*2K06021*	*EPA 8270D*	*11/09/12 22:13*	*DFM*	
2-Fluorobiphenyl	*1600*	*1*	*1800*	*88 %*	*56-120*	*2K06021*	*EPA 8270D*	*11/09/12 22:13*	*DFM*	
2-Fluorophenol	*2600*	*1*	*3590*	*72 %*	*49-126*	*2K06021*	*EPA 8270D*	*11/09/12 22:13*	*DFM*	
Nitrobenzene-d5	*1500*	*1*	*1800*	*82 %*	*50-117*	*2K06021*	*EPA 8270D*	*11/09/12 22:13*	*DFM*	
Phenol-d5	*2800*	*1*	*3590*	*78 %*	*56-120*	*2K06021*	*EPA 8270D*	*11/09/12 22:13*	*DFM*	
Terphenyl-d14	*1700*	*1*	*1800*	*96 %*	*36-151*	*2K06021*	*EPA 8270D*	*11/09/12 22:13*	*DFM*	

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Description:	Soil #4	**Lab Sample ID:**	C213038-05	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:50	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	92.79

Gasoline Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
GRO (C6-C10) [ECL-0069] ^	ND		mg/kg dry	1	0.85	3.4	2K06006	EPA 8015C	11/06/12 21:27	BJG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene	*7.1*	*1*	*6.10*	*116 %*	*59-168*	*2K06006*	*EPA 8015C*	*11/06/12 21:27*	*BJG*	

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Description:	Soil #4	**Lab Sample ID:**	C213038-05	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:50	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	92.79

Volatile Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
C5-C8 Aliphatics [ECL-0022] ^	ND		mg/kg dry	1	0.732	4.67	2K07013	MAVPH	11/09/12 12:12	BJG	
C9-C10 Aromatics [ECL-0024] ^	ND		mg/kg dry	1	0.467	1.56	2K07013	MAVPH	11/09/12 12:12	BJG	
C9-C12 Aliphatics [ECL-0025] ^	ND		mg/kg dry	1	2.34	4.67	2K07013	MAVPH	11/09/12 12:12	BJG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene (FID)	*16.5*	*1*	*15.6*	*106 %*	*70-130*	*2K07013*	*MAVPH*	*11/09/12 12:12*	*BJG*	
2,5-Dibromotoluene (PID)	*16.3*	*1*	*15.6*	*105 %*	*70-130*	*2K07013*	*MAVPH*	*11/09/12 12:12*	*BJG*	

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Description:	Soil #4	**Lab Sample ID:**	C213038-05	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:50	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	92.79

Extractable Petroleum Hydrocarbons by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
C11-C22 Aromatics [ECL-0020] ^	ND		mg/kg dry	1	0.4	18	2K08014	MAEPH	11/09/12 19:40	MSZ	
C19-C36 Aliphatics [ECL-0021] ^	ND		mg/kg dry	1	0.3	18	2K08014	MAEPH	11/09/12 19:40	MSZ	
C9-C18 Aliphatics [ECL-0026] ^	ND		mg/kg dry	1	0.5	18	2K08014	MAEPH	11/09/12 19:40	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
Chloro-octadecane	*1.9*	*1*	*1.44*	*133 %*	*40-140*	*2K08014*	*MAEPH*	*11/09/12 19:40*	*MSZ*	
o-Terphenyl	*1.9*	*1*	*1.44*	*129 %*	*40-140*	*2K08014*	*MAEPH*	*11/09/12 19:40*	*MSZ*	

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Description:	Soil #4	**Lab Sample ID:**	C213038-05	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:50	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	92.79

Diesel Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
DRO (C10-C28) [ECL-0057] ^	**1.8**	J	mg/kg dry	1	0.84	3.6	2K05020	EPA 8015C	11/07/12 15:45	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
o-Terphenyl	*1.6*	*1*	*1.80*	*89 %*	*51-138*	*2K05020*	*EPA 8015C*	*11/07/12 15:45*	*MSZ*	

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Description:	Soil #4	**Lab Sample ID:**	C213038-05	**Received:**	11/05/12 17:05
Matrix:	Soil	**Sampled:**	11/05/12 15:50	**Work Order:**	C213038
Project:	Fogleman	**Sampled By:**	CLIENT	**% Solids:**	92.79

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	**2.73**		mg/kg dry	1	0.108	0.539	2K06018	EPA 6010C	11/07/12 13:40	JDH	
Barium [7440-39-3] ^	**60.6**		mg/kg dry	1	0.108	0.539	2K06018	EPA 6010C	11/07/12 13:40	JDH	
Cadmium [7440-43-9] ^	ND		mg/kg dry	1	0.0103	0.0539	2K06018	EPA 6010C	11/07/12 13:40	JDH	
Chromium [7440-47-3] ^	**11.1**		mg/kg dry	1	0.108	0.539	2K06018	EPA 6010C	11/07/12 13:40	JDH	
Lead [7439-92-1] ^	**9.49**		mg/kg dry	1	0.129	0.539	2K06018	EPA 6010C	11/07/12 13:40	JDH	
Mercury [7439-97-6] ^	**0.0158**	J	mg/kg dry	1	0.00744	0.0259	2K09016	EPA 7471B	11/09/12 17:11	T1D	
Selenium [7782-49-2] ^	ND		mg/kg dry	1	0.108	0.539	2K06018	EPA 6010C	11/07/12 13:40	JDH	
Silver [7440-22-4] ^	**0.525**	J	mg/kg dry	1	0.108	0.539	2K06018	EPA 6010C	11/07/12 13:40	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2K06008 - EPA 5035_MS

Blank (2K06008-BLK1) Prepared: 11/06/2012 10:58 Analyzed: 11/07/2012 00:13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.25	U	1.0	ug/kg wet							
1,1,2,2-Tetrachloroethane	0.20	U	1.0	ug/kg wet							
1,1,2-Trichloroethane	0.25	U	1.0	ug/kg wet							
1,1-Dichloroethane	0.25	U	1.0	ug/kg wet							
1,1-Dichloroethene	0.30	U	1.0	ug/kg wet							
1,1-Dichloropropene	0.16	U	1.0	ug/kg wet							
1,2,3-Trichlorobenzene	0.28	U	1.0	ug/kg wet							
1,2,3-Trichloropropane	0.64	U	1.0	ug/kg wet							
1,2,4-Trichlorobenzene	0.27	U	1.0	ug/kg wet							
1,2,4-Trimethylbenzene	0.17	U	1.0	ug/kg wet							
1,2-Dibromoethane	0.46	U	1.0	ug/kg wet							
1,2-Dichlorobenzene	0.27	U	1.0	ug/kg wet							
1,2-Dichloroethane	0.41	U	1.0	ug/kg wet							
1,2-Dichloropropane	0.26	U	1.0	ug/kg wet							
1,3,5-Trimethylbenzene	0.20	U	1.0	ug/kg wet							
1,3-Dichlorobenzene	0.22	U	1.0	ug/kg wet							
1,3-Dichloropropane	0.29	U	1.0	ug/kg wet							
1,4-Dichlorobenzene	0.20	U	1.0	ug/kg wet							
2,2-Dichloropropane	0.23	U	1.0	ug/kg wet							
2-Butanone	0.78	U	5.0	ug/kg wet							
2-Chlorotoluene	0.18	U	1.0	ug/kg wet							
2-Hexanone	0.75	U	5.0	ug/kg wet							
4-Chlorotoluene	0.26	U	1.0	ug/kg wet							
4-Isopropyltoluene	0.16	U	1.0	ug/kg wet							
4-Methyl-2-pentanone	0.57	U	5.0	ug/kg wet							
Acetone	1.4	U	5.0	ug/kg wet							
Benzene	0.17	U	1.0	ug/kg wet							
Bromobenzene	0.22	U	1.0	ug/kg wet							
Bromochloromethane	0.41	U	1.0	ug/kg wet							
Bromodichloromethane	0.24	U	1.0	ug/kg wet							
Bromoform	0.45	U	1.0	ug/kg wet							
Bromomethane	0.32	U	1.0	ug/kg wet							
Carbon Tetrachloride	0.22	U	1.0	ug/kg wet							
Chlorobenzene	0.17	U	1.0	ug/kg wet							
Chloroethane	0.25	U	1.0	ug/kg wet							
Chloroform	0.18	U	1.0	ug/kg wet							
Chloromethane	0.21	U	1.0	ug/kg wet							
cis-1,2-Dichloroethene	0.23	U	1.0	ug/kg wet							
cis-1,3-Dichloropropene	0.17	U	1.0	ug/kg wet							
Dibromochloromethane	0.35	U	1.0	ug/kg wet							
Dichlorodifluoromethane	0.45	U	1.0	ug/kg wet							
Ethylbenzene	0.20	U	1.0	ug/kg wet							
Isopropyl Ether	0.18	U	1.0	ug/kg wet							
Isopropylbenzene	0.15	U	1.0	ug/kg wet							
Methylene Chloride	**1.0**	**J**	2.0	ug/kg wet							O-01
Methyl-tert-Butyl Ether	0.30	U	1.0	ug/kg wet							
Naphthalene	0.27	U	1.0	ug/kg wet							
n-Butyl Benzene	0.13	U	1.0	ug/kg wet							
n-Propyl Benzene	0.18	U	1.0	ug/kg wet							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2K06008 - EPA 5035_MS

Blank (2K06008-BLK1) Continued Prepared: 11/06/2012 10:58 Analyzed: 11/07/2012 00:13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
sec-Butylbenzene	0.95	U	1.0	ug/kg wet							
Styrene	0.98	U	1.0	ug/kg wet							
tert-Butylbenzene	0.17	U	1.0	ug/kg wet							
Tetrachloroethene	0.28	U	1.0	ug/kg wet							
Toluene	0.24	U	1.0	ug/kg wet							
trans-1,2-Dichloroethene	0.37	U	1.0	ug/kg wet							
trans-1,3-Dichloropropene	0.39	U	1.0	ug/kg wet							
Trichloroethene	0.32	U	1.0	ug/kg wet							
Trichlorofluoromethane	0.26	U	1.0	ug/kg wet							
Vinyl acetate	0.47	U	5.0	ug/kg wet							
Vinyl chloride	0.24	U	1.0	ug/kg wet							
Xylenes (Total)	0.56	U	3.0	ug/kg wet							
Surrogate: 4-Bromofluorobenzene	*41*			*ug/L*	*50.0*		*82*	*61-118*			
Surrogate: Dibromofluoromethane	*39*			*ug/L*	*50.0*		*78*	*66-114*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*87*	*63-118*			

LCS (2K06008-BS1) Prepared: 11/06/2012 10:58 Analyzed: 11/07/2012 00:42

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/kg wet	20.0		92	64-133			
Benzene	18		1.0	ug/kg wet	20.0		92	79-129			
Chlorobenzene	18		1.0	ug/kg wet	20.0		90	79-121			
Toluene	19		1.0	ug/kg wet	20.0		95	77-120			
Trichloroethene	18		1.0	ug/kg wet	20.0		90	78-118			
Surrogate: 4-Bromofluorobenzene	*43*			*ug/L*	*50.0*		*85*	*61-118*			
Surrogate: Dibromofluoromethane	*41*			*ug/L*	*50.0*		*83*	*66-114*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*90*	*63-118*			

Matrix Spike (2K06008-MS1) Prepared: 11/06/2012 10:58 Analyzed: 11/07/2012 01:12

Source: C212735-06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/kg wet	20.0	0.30 U	101	64-133			
Benzene	20		1.0	ug/kg wet	20.0	0.17 U	99	79-129			
Chlorobenzene	20		1.0	ug/kg wet	20.0	0.17 U	98	79-121			
Toluene	20		1.0	ug/kg wet	20.0	0.24 U	102	77-120			
Trichloroethene	19		1.0	ug/kg wet	20.0	0.32 U	97	78-118			
Surrogate: 4-Bromofluorobenzene	*44*			*ug/L*	*50.0*		*88*	*61-118*			
Surrogate: Dibromofluoromethane	*42*			*ug/L*	*50.0*		*83*	*66-114*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*91*	*63-118*			

Matrix Spike Dup (2K06008-MSD1) Prepared: 11/06/2012 10:58 Analyzed: 11/07/2012 01:42

Source: C212735-06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/kg wet	20.0	0.30 U	95	64-133	5	23	

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2K06008 - EPA 5035_MS

Matrix Spike Dup (2K06008-MSD1) Continued Prepared: 11/06/2012 10:58 Analyzed: 11/07/2012 01:42

Source: C212735-06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Benzene	19		1.0	ug/kg wet	20.0	0.17 U	95	79-129	4	23	
Chlorobenzene	19		1.0	ug/kg wet	20.0	0.17 U	94	79-121	4	25	
Toluene	20		1.0	ug/kg wet	20.0	0.24 U	99	77-120	3	23	
Trichloroethene	19		1.0	ug/kg wet	20.0	0.32 U	95	78-118	2	24	
Surrogate: 4-Bromofluorobenzene	*43*			*ug/L*	*50.0*		*86*	*61-118*			
Surrogate: Dibromofluoromethane	*40*			*ug/L*	*50.0*		*81*	*66-114*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*89*	*63-118*			

Batch 2K07010 - EPA 5030B_MS

Blank (2K07010-BLK1) Prepared: 11/07/2012 09:17 Analyzed: 11/07/2012 12:40

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,1-Dichloropropene	0.15	U	1.0	ug/L							
1,2,3-Trichlorobenzene	0.012	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.14	U	1.0	ug/L							
1,2,4-Trimethylbenzene	0.10	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,3,5-Trimethylbenzene	0.30	U	1.0	ug/L							
1,3-Dichlorobenzene	0.15	U	1.0	ug/L							
1,3-Dichloropropane	0.16	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2,2-Dichloropropane	0.28	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Chlorotoluene	0.081	U	1.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Chlorotoluene	0.068	U	1.0	ug/L							
4-Isopropyltoluene	0.085	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromobenzene	0.16	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2K07010 - EPA 5030B_MS

Blank (2K07010-BLK1) Continued Prepared: 11/07/2012 09:17 Analyzed: 11/07/2012 12:40

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dichlorodifluoromethane	0.20	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Isopropyl Ether	0.054	U	1.0	ug/L							
Isopropylbenzene	0.14	U	1.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
Methyl-tert-Butyl Ether	0.16	U	1.0	ug/L							
Naphthalene	0.11	U	1.0	ug/L							
n-Butyl Benzene	0.058	U	1.0	ug/L							
n-Propyl Benzene	0.12	U	1.0	ug/L							
sec-Butylbenzene	0.10	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
tert-Butylbenzene	0.17	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*42*			*ug/L*	*50.0*		*84*	*51-122*			
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*87*	*68-117*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*90*	*67-127*			

LCS (2K07010-BS1) Prepared: 11/07/2012 09:17 Analyzed: 11/07/2012 14:09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0		97	75-133			
Benzene	19		1.0	ug/L	20.0		96	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		97	83-117			
Toluene	19		1.0	ug/L	20.0		93	71-118			
Trichloroethene	19		1.0	ug/L	20.0		97	74-119			
Surrogate: 4-Bromofluorobenzene	*43*			*ug/L*	*50.0*		*86*	*51-122*			
Surrogate: Dibromofluoromethane	*45*			*ug/L*	*50.0*		*90*	*68-117*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*90*	*67-127*			

Matrix Spike (2K07010-MS1) Prepared: 11/07/2012 09:17 Analyzed: 11/07/2012 13:10

Source: C212959-06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2K07010 - EPA 5030B_MS

Matrix Spike (2K07010-MS1) Continued Prepared: 11/07/2012 09:17 Analyzed: 11/07/2012 13:10

Source: C212959-06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.21 U	98	75-133			
Benzene	20		1.0	ug/L	20.0	0.15 U	98	81-134			
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	98	83-117			
Toluene	19		1.0	ug/L	20.0	0.14 U	94	71-118			
Trichloroethene	20		1.0	ug/L	20.0	0.15 U	98	74-119			
Surrogate: 4-Bromofluorobenzene	*42*			*ug/L*	*50.0*		*84*	*51-122*			
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*88*	*68-117*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*90*	*67-127*			

Matrix Spike Dup (2K07010-MSD1) Prepared: 11/07/2012 09:17 Analyzed: 11/07/2012 13:40

Source: C212959-06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.21 U	101	75-133	4	20	
Benzene	20		1.0	ug/L	20.0	0.15 U	100	81-134	2	17	
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	98	83-117	0.2	16	
Toluene	19		1.0	ug/L	20.0	0.14 U	95	71-118	0.4	17	
Trichloroethene	20		1.0	ug/L	20.0	0.15 U	102	74-119	4	22	
Surrogate: 4-Bromofluorobenzene	*42*			*ug/L*	*50.0*		*84*	*51-122*			
Surrogate: Dibromofluoromethane	*45*			*ug/L*	*50.0*		*89*	*68-117*			
Surrogate: Toluene-d8	*46*			*ug/L*	*50.0*		*91*	*67-127*			

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 2K06021 - EPA 3550C_MS

Blank (2K06021-BLK1) Prepared: 11/06/2012 13:52 Analyzed: 11/09/2012 18:43

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	26	U	330	ug/kg wet							
1,2-Dichlorobenzene	23	U	330	ug/kg wet							
1,3-Dichlorobenzene	20	U	330	ug/kg wet							
1,4-Dichlorobenzene	21	U	330	ug/kg wet							
1-Methylnaphthalene	27	U	330	ug/kg wet							
2,4,5-Trichlorophenol	27	U	330	ug/kg wet							
2,4,6-Trichlorophenol	27	U	330	ug/kg wet							
2,4-Dichlorophenol	24	U	330	ug/kg wet							
2,4-Dimethylphenol	43	U	330	ug/kg wet							
2,4-Dinitrophenol	43	U	330	ug/kg wet							
2,4-Dinitrotoluene	28	U	330	ug/kg wet							
2,6-Dinitrotoluene	31	U	330	ug/kg wet							
2-Chloronaphthalene	28	U	330	ug/kg wet							
2-Chlorophenol	25	U	330	ug/kg wet							
2-Methyl-4,6-dinitrophenol	33	U	330	ug/kg wet							
2-Methylnaphthalene	28	U	330	ug/kg wet							
2-Methylphenol	25	U	330	ug/kg wet							
2-Nitroaniline	30	U	330	ug/kg wet							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 2K06021 - EPA 3550C_MS

Blank (2K06021-BLK1) Continued Prepared: 11/06/2012 13:52 Analyzed: 11/09/2012 18:43

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Nitrophenol	31	U	330	ug/kg wet							
3 & 4-Methylphenol	26	U	330	ug/kg wet							
3,3'-Dichlorobenzidine	98	U	330	ug/kg wet							
3-Nitroaniline	36	U	330	ug/kg wet							
4-Bromophenyl-phenylether	27	U	330	ug/kg wet							
4-Chloro-3-methylphenol	33	U	330	ug/kg wet							
4-Chloroaniline	93	U	330	ug/kg wet							
4-Chlorophenyl-phenylether	26	U	330	ug/kg wet							
4-Nitroaniline	53	U	330	ug/kg wet							
4-Nitrophenol	31	U	330	ug/kg wet							
Acenaphthene	28	U	330	ug/kg wet							
Acenaphthylene	28	U	330	ug/kg wet							
Anthracene	38	U	330	ug/kg wet							
Benzidine	110	U	330	ug/kg wet							
Benzo(a)anthracene	28	U	330	ug/kg wet							
Benzo(a)pyrene	33	U	330	ug/kg wet							
Benzo(b)fluoranthene	18	U	330	ug/kg wet							
Benzo(g,h,i)perylene	47	U	330	ug/kg wet							
Benzo(k)fluoranthene	33	U	330	ug/kg wet							
Benzoic acid	150	U	1700	ug/kg wet							
Benzyl alcohol	23	U	330	ug/kg wet							
Bis(2-chloroethoxy)methane	25	U	330	ug/kg wet							
Bis(2-chloroethyl)ether	43	U	330	ug/kg wet							
Bis(2-chloroisopropyl)ether	24	U	330	ug/kg wet							
Bis(2-ethylhexyl)phthalate	35	U	330	ug/kg wet							
Butylbenzylphthalate	40	U	330	ug/kg wet							
Chrysene	30	U	330	ug/kg wet							
Dibenzo(a,h)anthracene	51	U	330	ug/kg wet							
Dibenzofuran	27	U	330	ug/kg wet							
Diethylphthalate	28	U	330	ug/kg wet							
Dimethylphthalate	33	U	330	ug/kg wet							
Di-n-butylphthalate	41	U	330	ug/kg wet							
Di-n-octylphthalate	33	U	330	ug/kg wet							
Fluoranthene	36	U	330	ug/kg wet							
Fluorene	29	U	330	ug/kg wet							
Hexachlorobenzene	26	U	330	ug/kg wet							
Hexachlorobutadiene	26	U	330	ug/kg wet							
Hexachlorocyclopentadiene	39	U	330	ug/kg wet							
Hexachloroethane	21	U	330	ug/kg wet							
Indeno(1,2,3-cd)pyrene	47	U	330	ug/kg wet							
Isophorone	30	U	330	ug/kg wet							
Naphthalene	28	U	330	ug/kg wet							
Nitrobenzene	26	U	330	ug/kg wet							
N-Nitrosodimethylamine	21	U	330	ug/kg wet							
N-Nitroso-di-n-propylamine	81	U	330	ug/kg wet							
N-nitrosodiphenylamine/Diphenylamine	54	U	330	ug/kg wet							
Pentachlorophenol	33	U	330	ug/kg wet							
Phenanthrene	27	U	330	ug/kg wet							
Phenol	22	U	330	ug/kg wet							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 2K06021 - EPA 3550C_MS

Blank (2K06021-BLK1) Continued Prepared: 11/06/2012 13:52 Analyzed: 11/09/2012 18:43

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Pyrene	38	U	330	ug/kg wet							
Pyridine	82	U	330	ug/kg wet							
Surrogate: 2,4,6-Tribromophenol	*2800*			*ug/kg wet*	*3330*		*84*	*28-130*			
Surrogate: 2-Fluorobiphenyl	*1500*			*ug/kg wet*	*1670*		*89*	*56-120*			
Surrogate: 2-Fluorophenol	*2200*			*ug/kg wet*	*3330*		*65*	*49-126*			
Surrogate: Nitrobenzene-d5	*1400*			*ug/kg wet*	*1670*		*83*	*50-117*			
Surrogate: Phenol-d5	*2500*			*ug/kg wet*	*3330*		*76*	*56-120*			
Surrogate: Terphenyl-d14	*1600*			*ug/kg wet*	*1670*		*95*	*36-151*			

LCS (2K06021-BS1) Prepared: 11/06/2012 13:52 Analyzed: 11/09/2012 19:13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	1400		330	ug/kg wet	1670		82	51-121			
1,4-Dichlorobenzene	1300		330	ug/kg wet	1670		76	48-118			
2,4-Dinitrotoluene	1500		330	ug/kg wet	1670		93	63-127			
2-Chlorophenol	1300		330	ug/kg wet	1670		79	56-120			
4-Chloro-3-methylphenol	1500		330	ug/kg wet	1670		87	59-121			
4-Nitrophenol	1500		330	ug/kg wet	1670		92	73-147			
Acenaphthene	1400		330	ug/kg wet	1670		86	64-131			
N-Nitroso-di-n-propylamine	1300		330	ug/kg wet	1670		78	55-135			
Pentachlorophenol	1300		330	ug/kg wet	1670		81	45-117			
Phenol	1300		330	ug/kg wet	1670		80	54-121			
Pyrene	1600		330	ug/kg wet	1670		94	65-146			
Surrogate: 2,4,6-Tribromophenol	*2900*			*ug/kg wet*	*3330*		*88*	*28-130*			
Surrogate: 2-Fluorobiphenyl	*1400*			*ug/kg wet*	*1670*		*83*	*56-120*			
Surrogate: 2-Fluorophenol	*2400*			*ug/kg wet*	*3330*		*71*	*49-126*			
Surrogate: Nitrobenzene-d5	*1300*			*ug/kg wet*	*1670*		*78*	*50-117*			
Surrogate: Phenol-d5	*2500*			*ug/kg wet*	*3330*		*76*	*56-120*			
Surrogate: Terphenyl-d14	*1500*			*ug/kg wet*	*1670*		*92*	*36-151*			

Matrix Spike (2K06021-MS1) Prepared: 11/06/2012 13:52 Analyzed: 11/09/2012 19:43

Source: C213038-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	1500		340	ug/kg dry	1730	27 U	86	51-121			
1,4-Dichlorobenzene	1400		340	ug/kg dry	1730	22 U	79	48-118			
2,4-Dinitrotoluene	1600		340	ug/kg dry	1730	29 U	94	63-127			
2-Chlorophenol	1400		340	ug/kg dry	1730	26 U	82	56-120			
4-Chloro-3-methylphenol	1500		340	ug/kg dry	1730	34 U	89	59-121			
4-Nitrophenol	1600		340	ug/kg dry	1730	32 U	91	73-147			
Acenaphthene	1600		340	ug/kg dry	1730	29 U	90	64-131			
N-Nitroso-di-n-propylamine	1400		340	ug/kg dry	1730	84 U	81	55-135			
Pentachlorophenol	1600		340	ug/kg dry	1730	34 U	90	45-117			
Phenol	1400		340	ug/kg dry	1730	23 U	84	54-121			
Pyrene	1600		340	ug/kg dry	1730	39 U	93	65-146			
Surrogate: 2,4,6-Tribromophenol	*3100*			*ug/kg dry*	*3460*		*91*	*28-130*			
Surrogate: 2-Fluorobiphenyl	*1500*			*ug/kg dry*	*1730*		*86*	*56-120*			

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 2K06021 - EPA 3550C_MS

Matrix Spike (2K06021-MS1) Continued Prepared: 11/06/2012 13:52 Analyzed: 11/09/2012 19:43

Source: C213038-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 2-Fluorophenol	*2600*			*ug/kg dry*	*3460*		*74*	*49-126*			
Surrogate: Nitrobenzene-d5	*1400*			*ug/kg dry*	*1730*		*80*	*50-117*			
Surrogate: Phenol-d5	*2700*			*ug/kg dry*	*3460*		*78*	*56-120*			
Surrogate: Terphenyl-d14	*1600*			*ug/kg dry*	*1730*		*91*	*36-151*			

Matrix Spike Dup (2K06021-MSD1) Prepared: 11/06/2012 13:52 Analyzed: 11/09/2012 20:13

Source: C213038-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	1500		340	ug/kg dry	1730	27 U	88	51-121	3	10	
1,4-Dichlorobenzene	1400		340	ug/kg dry	1730	22 U	81	48-118	2	13	
2,4-Dinitrotoluene	1700		340	ug/kg dry	1730	29 U	97	63-127	4	10	
2-Chlorophenol	1500		340	ug/kg dry	1730	26 U	84	56-120	3	11	
4-Chloro-3-methylphenol	1600		340	ug/kg dry	1730	34 U	93	59-121	4	10	
4-Nitrophenol	1700		340	ug/kg dry	1730	32 U	100	73-147	9	10	
Acenaphthene	1600		340	ug/kg dry	1730	29 U	92	64-131	2	19	
N-Nitroso-di-n-propylamine	1500		340	ug/kg dry	1730	84 U	84	55-135	4	10	
Pentachlorophenol	1600		340	ug/kg dry	1730	34 U	90	45-117	0.6	10	
Phenol	1500		340	ug/kg dry	1730	23 U	85	54-121	2	13	
Pyrene	1600		340	ug/kg dry	1730	39 U	92	65-146	2	50	
Surrogate: 2,4,6-Tribromophenol	*3300*			*ug/kg dry*	*3460*		*95*	*28-130*			
Surrogate: 2-Fluorobiphenyl	*1500*			*ug/kg dry*	*1730*		*88*	*56-120*			
Surrogate: 2-Fluorophenol	*2600*			*ug/kg dry*	*3460*		*75*	*49-126*			
Surrogate: Nitrobenzene-d5	*1400*			*ug/kg dry*	*1730*		*84*	*50-117*			
Surrogate: Phenol-d5	*2800*			*ug/kg dry*	*3460*		*80*	*56-120*			
Surrogate: Terphenyl-d14	*1500*			*ug/kg dry*	*1730*		*89*	*36-151*			

Gasoline Range Organics by GC - Quality Control

Batch 2K06006 - EPA 5035

Blank (2K06006-BLK1) Prepared: 11/06/2012 10:05 Analyzed: 11/06/2012 14:34

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO (C6-C10)	1.4	U	5.5	mg/kg wet							
Surrogate: 2,5-Dibromotoluene	*12*			*mg/kg wet*	*10.0*		*123*	*59-168*			

LCS (2K06006-BS1) Prepared: 11/06/2012 10:05 Analyzed: 11/07/2012 16:42

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO (C6-C10)	25		5.5	mg/kg wet	49.8		51	51-115			
Surrogate: 2,5-Dibromotoluene	*14*			*mg/kg wet*	*9.96*		*142*	*59-168*			

Matrix Spike (2K06006-MS1) Prepared: 11/06/2012 10:05 Analyzed: 11/06/2012 15:06

Source: C212959-03

QUALITY CONTROL

Gasoline Range Organics by GC - Quality Control

Batch 2K06006 - EPA 5035

Matrix Spike (2K06006-MS1) Continued Prepared: 11/06/2012 10:05 Analyzed: 11/06/2012 15:06

Source: C212959-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO (C6-C10)	24		5.5	mg/kg wet	50.2	1.4 U	47	45-162			
Surrogate: 2,5-Dibromotoluene	*13*			*mg/kg wet*	*10.0*		*133*	*59-168*			

Matrix Spike Dup (2K06006-MSD1) Prepared: 11/06/2012 10:05 Analyzed: 11/06/2012 15:37

Source: C212959-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO (C6-C10)	23		5.5	mg/kg wet	49.8	1.4 U	45	45-162	4	24	
Surrogate: 2,5-Dibromotoluene	*13*			*mg/kg wet*	*9.96*		*130*	*59-168*			

Volatile Petroleum Hydrocarbons by GC - Quality Control

Batch 2K07013 - EPA 5035

Blank (2K07013-BLK1) Prepared: 11/07/2012 09:29 Analyzed: 11/07/2012 12:23

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
C5-C8 Aliphatics	0.470	U	3.00	mg/kg wet							
C9-C10 Aromatics	0.300	U	1.00	mg/kg wet							
C9-C12 Aliphatics	1.50	U	3.00	mg/kg wet							
Surrogate: 2,5-Dibromotoluene (FID)	*10.1*			*mg/kg wet*	*10.0*		*101*	*70-130*			
Surrogate: 2,5-Dibromotoluene (PID)	*11.0*			*mg/kg wet*	*10.0*		*110*	*70-130*			

LCS (2K07013-BS1) Prepared: 11/07/2012 09:29 Analyzed: 11/07/2012 12:53

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
C5-C8 Aliphatics	8.90		3.00	mg/kg wet	12.0		74	70-130			
C9-C10 Aromatics	4.53		1.00	mg/kg wet	4.00		113	70-130			
C9-C12 Aliphatics	11.2		3.00	mg/kg wet	12.0		93	70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*8.67*			*mg/kg wet*	*10.0*		*87*	*70-130*			
Surrogate: 2,5-Dibromotoluene (PID)	*10.2*			*mg/kg wet*	*10.0*		*102*	*70-130*			

LCS Dup (2K07013-BSD1) Prepared: 11/07/2012 09:29 Analyzed: 11/07/2012 15:23

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
C5-C8 Aliphatics	9.07		3.00	mg/kg wet	12.0		76	70-130	2	25	
C9-C10 Aromatics	5.14		1.00	mg/kg wet	4.00		129	70-130	13	25	
C9-C12 Aliphatics	12.1		3.00	mg/kg wet	12.0		101	70-130	8	25	
Surrogate: 2,5-Dibromotoluene (FID)	*7.42*			*mg/kg wet*	*10.0*		*74*	*70-130*			
Surrogate: 2,5-Dibromotoluene (PID)	*9.99*			*mg/kg wet*	*10.0*		*100*	*70-130*			

Extractable Petroleum Hydrocarbons by GC - Quality Control

Batch 2K08014 - EPA 3545

Blank (2K08014-BLK1) Prepared: 11/08/2012 09:47 Analyzed: 11/09/2012 17:14

QUALITY CONTROL

Extractable Petroleum Hydrocarbons by GC - Quality Control

Batch 2K08014 - EPA 3545

Blank (2K08014-BLK1) Continued Prepared: 11/08/2012 09:47 Analyzed: 11/09/2012 17:14

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
C11-C22 Aromatics	0.3	U	17	mg/kg wet							
C19-C36 Aliphatics	0.2	U	17	mg/kg wet							
C9-C18 Aliphatics	0.4	U	17	mg/kg wet							
Surrogate: Chloro-octadecane	*1.5*			*mg/kg wet*	*1.33*		*113*	*40-140*			
Surrogate: o-Terphenyl	*1.4*			*mg/kg wet*	*1.33*		*103*	*40-140*			

LCS (2K08014-BS1) Prepared: 11/08/2012 09:47 Analyzed: 11/09/2012 17:38

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
C11-C22 Aromatics	25		17	mg/kg wet	22.7		110	40-140			
C19-C36 Aliphatics	26		17	mg/kg wet	21.3		121	40-140			
C9-C18 Aliphatics	17		17	mg/kg wet	16.0		106	40-140			
Surrogate: Chloro-octadecane	*1.6*			*mg/kg wet*	*1.33*		*122*	*40-140*			
Surrogate: o-Terphenyl	*1.5*			*mg/kg wet*	*1.33*		*112*	*40-140*			

LCS Dup (2K08014-BSD1) Prepared: 11/08/2012 09:47 Analyzed: 11/09/2012 18:03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
C11-C22 Aromatics	24		17	mg/kg wet	22.7		108	40-140	2	25	
C19-C36 Aliphatics	26		17	mg/kg wet	21.3		121	40-140	0.2	25	
C9-C18 Aliphatics	17		17	mg/kg wet	16.0		103	40-140	3	25	
Surrogate: Chloro-octadecane	*1.6*			*mg/kg wet*	*1.33*		*120*	*40-140*			
Surrogate: o-Terphenyl	*1.5*			*mg/kg wet*	*1.33*		*110*	*40-140*			

Diesel Range Organics by GC - Quality Control

Batch 2K05020 - EPA 3550C

Blank (2K05020-BLK1) Prepared: 11/05/2012 13:35 Analyzed: 11/06/2012 10:59

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
DRO (C10-C28)	0.78	U	3.3	mg/kg wet							
Surrogate: o-Terphenyl	*1.5*			*mg/kg wet*	*1.67*		*91*	*51-138*			

LCS (2K05020-BS1) Prepared: 11/05/2012 13:35 Analyzed: 11/06/2012 11:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
DRO (C10-C28)	35		3.3	mg/kg wet	33.3		106	37-116			
Surrogate: o-Terphenyl	*1.9*			*mg/kg wet*	*1.67*		*117*	*51-138*			

Matrix Spike (2K05020-MS1) Prepared: 11/05/2012 13:35 Analyzed: 11/06/2012 11:58

Source: C211276-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
DRO (C10-C28)	39		3.7	mg/kg dry	37.9	1.9	98	37-116			
Surrogate: o-Terphenyl	*2.2*			*mg/kg dry*	*1.89*		*115*	*51-138*			

QUALITY CONTROL

Diesel Range Organics by GC - Quality Control

Batch 2K05020 - EPA 3550C

Matrix Spike Dup (2K05020-MSD1) Prepared: 11/05/2012 13:35 Analyzed: 11/06/2012 12:28

Source: C211276-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
DRO (C10-C28)	37		3.7	mg/kg dry	37.9	1.9	92	37-116	5	45	
Surrogate: o-Terphenyl	*2.1*			*mg/kg dry*	*1.89*		*110*	*51-138*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 2K06018 - EPA 3050B

Blank (2K06018-BLK1) Prepared: 11/06/2012 13:09 Analyzed: 11/07/2012 13:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.100	U	0.500	mg/kg wet							
Barium	0.100	U	0.500	mg/kg wet							
Cadmium	0.00960	U	0.0500	mg/kg wet							
Chromium	0.100	U	0.500	mg/kg wet							
Lead	0.120	U	0.500	mg/kg wet							
Selenium	0.100	U	0.500	mg/kg wet							
Silver	0.100	U	0.500	mg/kg wet							

LCS (2K06018-BS1) Prepared: 11/06/2012 13:09 Analyzed: 11/07/2012 13:10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	9.60		0.500	mg/kg wet	10.0		96	80-120			
Barium	10.2		0.500	mg/kg wet	10.0		102	80-120			
Cadmium	0.968		0.0500	mg/kg wet	1.00		97	80-120			
Chromium	9.89		0.500	mg/kg wet	10.0		99	80-120			
Lead	9.84		0.500	mg/kg wet	10.0		98	80-120			
Selenium	9.50		0.500	mg/kg wet	10.0		95	80-120			
Silver	10.2		0.500	mg/kg wet	10.0		102	80-120			

Matrix Spike (2K06018-MS1) Prepared: 11/06/2012 13:09 Analyzed: 11/07/2012 13:14

Source: C212958-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	10.6		0.570	mg/kg dry	11.5	0.272	89	75-125			
Barium	17.6		0.570	mg/kg dry	11.5	5.97	101	75-125			
Cadmium	1.10		0.0570	mg/kg dry	1.15	0.0449	91	75-125			
Chromium	15.1		0.570	mg/kg dry	11.5	3.71	98	75-125			
Lead	14.1		0.570	mg/kg dry	11.5	4.38	84	75-125			
Selenium	12.3		0.570	mg/kg dry	11.5	0.150	106	75-125			
Silver	12.2		0.570	mg/kg dry	11.5	0.299	104	75-125			

Matrix Spike Dup (2K06018-MSD1) Prepared: 11/06/2012 13:09 Analyzed: 11/07/2012 13:27

Source: C212958-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	10.7		0.570	mg/kg dry	11.5	0.272	91	75-125	1	20	

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 2K06018 - EPA 3050B

Matrix Spike Dup (2K06018-MSD1) Continued Prepared: 11/06/2012 13:09 Analyzed: 11/07/2012 13:27

Source: C212958-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Barium	17.4		0.570	mg/kg dry	11.5	5.97	99	75-125	0.9	20	
Cadmium	1.09		0.0570	mg/kg dry	1.15	0.0449	91	75-125	0.7	20	
Chromium	15.1		0.570	mg/kg dry	11.5	3.71	99	75-125	0.5	20	
Lead	14.0		0.570	mg/kg dry	11.5	4.38	84	75-125	0.7	20	
Selenium	11.9		0.570	mg/kg dry	11.5	0.150	102	75-125	4	20	
Silver	12.4		0.570	mg/kg dry	11.5	0.299	105	75-125	1	20	

Post Spike (2K06018-PS1) Prepared: 11/06/2012 13:09 Analyzed: 11/07/2012 13:29

Source: C212958-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.208		0.0100	mg/L	0.200	0.00487	101	80-120			
Barium	0.300		0.0100	mg/L	0.200	0.107	97	80-120			
Cadmium	0.0204		0.00100	mg/L	0.0200	0.000803	98	80-120			
Chromium	0.263		0.0100	mg/L	0.200	0.0664	98	80-120			
Lead	0.267		0.0100	mg/L	0.200	0.0784	94	80-120			
Selenium	0.206		0.0100	mg/L	0.200	0.00269	102	80-120			
Silver	0.225		0.0100	mg/L	0.200	0.00535	110	80-120			

Batch 2K09016 - EPA 7471B

Blank (2K09016-BLK1) Prepared: 11/09/2012 10:46 Analyzed: 11/09/2012 16:38

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.00690	U	0.0240	mg/kg wet							

LCS (2K09016-BS1) Prepared: 11/09/2012 10:46 Analyzed: 11/09/2012 16:40

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.677		0.0240	mg/kg wet	0.600		113	80-120			

Matrix Spike (2K09016-MS1) Prepared: 11/09/2012 10:46 Analyzed: 11/09/2012 16:43

Source: C212733-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	1.03		0.0319	mg/kg dry	0.799	0.146	111	80-120			

Matrix Spike Dup (2K09016-MSD1) Prepared: 11/09/2012 10:46 Analyzed: 11/09/2012 16:45

Source: C212733-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	1.04		0.0319	mg/kg dry	0.826	0.146	109	80-120	1	20	

Post Spike (2K09016-PS1) Prepared: 11/09/2012 10:46 Analyzed: 11/09/2012 16:50

Source: C212733-01

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 2K09016 - EPA 7471B

Post Spike (2K09016-PS1) Continued Prepared: 11/09/2012 10:46 Analyzed: 11/09/2012 16:50

Source: C212733-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	7.48		0.200	ug/L	5.00	0.917	131	75-125			QM-08

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
ND	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
O-01	This compound is a common laboratory contaminant.
QL-02	The associated laboratory control sample exhibited high bias; since the result is ND, the impact on data quality is minimal.
QM-08	Post-digestion spike did not meet method requirements due to confirmed matrix effects (dilution test).
QS-03	Surrogate recovery outside acceptance limits

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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Cary, NC 27511
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Page ____ of ____

Client Name: Smith Gardner Inc. (GN001)	Project Number: [none] Fogle-12-2
Address: 14 N. Boylan Avenue	Project Name/Desc: Fogleman
City/ST/Zip: Raleigh, NC 27603	PO # / Billing Info:
Tel: (919)828-0577 Fax:	Reporting Contact: Joan A. Smyth
Sampler(s) Name, Affiliation (Print):	Billing Contact: Joan A. Smyth
Sampler(s) Signature:	Site Location / Time Zone:

Requested Analyses: %Solids, 8270D, Ag, As, Ba, Cd, Cr, DRO 8015C, Hg, Pb, Se; 8260B, 8260B Extended; EPH Aliph, EPH Arom, EPH Unfractionated; GRO 8015C; VPH Aliph, VPH Arom

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

✓ Standard 5 day

___ Expedited

Due 11 / 10 / 12

Lab Workorder: C213038

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	%Solids, 8270D, Ag, As, Ba, Cd, Cr, DRO 8015C, Hg, Pb, Se	8260B, 8260B Extended	EPH Aliph, EPH Arom, EPH Unfractionated	GRO 8015C	VPH Aliph, VPH Arom						Sample Comments
	Soil #1	11/5/12	3:10	Grab	SO	7	X	X	X	X	X						
	Soil #2	↓	3:20	↓	SO	7	X	X	X	X	X						
	Trip Blank				WA	2		X									
	Soil #3		3:35			7	X	X	X	X	X						
	Soil #4	↓	3:50	↓		7	X	X	X	X	X						

<-- Total # of Containers

Sample Kit Prepared By: JMES	Date/Time: 11/5/12	Relinquished By: Joan Smyth	Date/Time: 11/5/12 5:00	Received By: [illegible]	Date/Time: 11/5/12 17:05
Comments/Special Reporting Requirements		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: 2.2°C		Condition Upon Receipt: ✓ Acceptable ___ Unacceptable	

Matrix : GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) **Preservation:** I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

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