Appendix E

Air Monitoring Reports

Remedial Action Report

Former Gulf States Creosoting Site Hattiesburg, Mississippi

December 9, 2003

Mr. Richard Ellis Singley Construction Company, Inc. P.O. Box 389 Columbia, Mississippi 39429



Re:

EarthCon Project No. S149.001 Ambient Air Monitoring and Sampling September 23 - November 3, 2003 Kerr McGee Creosote Site Hattiesburg, Mississippi

Dear Mr. Ellis:

This report summarizes ambient air monitoring and sampling activities conducted by Earth Consulting Group, Inc. (EarthCon) at the above-referenced location from September 23 through November 3, 2003. The ambient air monitoring and sampling activities were conducted by Matthew Courtney and Kevin Ivy, EarthCon Air Monitoring Technicians, with oversight provided by W. Hal Moore, EarthCon Senior Project Manager. Air monitoring and sampling was conducted to quantify and document ambient air concentrations of Coal Tar Pitch Volatiles (CTPV) in, and near, the work area during excavation of creosote-contaminated soil from an intermittent stream (storm water drainage ditch).

The main chemicals of concern in CTPVs are polycyclic aromatic hydrocarbons (PAHs), which are also known as polynuclear aromatic hydrocarbons (PNAs). Possible health hazards associated with PAH exposure include cancer, skin problems, immunodeficiency, and reproductive difficulties for both the exposed and their offspring. More than 100 different chemicals are compiled into the general category of polycyclic aromatic hydrocarbons, including benzo[a]pyrene and dibenz[a]anthracene, which are known to cause cancer, and pyrene, acridine, chrysene, phenanthrene, and anthracene. The U.S. Department of Labor Occupational Safety & Health Administration (OSHA) has not established a substance-specific standard for occupational exposure to CTPVs. Exposures are regulated under OSHA's Air Contaminants Standard.

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The following table presents exposure limits established for CTPVs and related substances:

Substance	OSHA PEL	NIOSH REL	ACGIH TLV
CTPVs	0.2 mg/m³ (benzene- soluble fraction)	0.1 mg/m³ (cyclohexane- extractable fraction)	0.2 mg/m³ (benzene- soluble fraction)
PAHs	0.2 mg/m³	0.1 mg/m³ (10 hour exposure)	not established

Note: Values are for an 8 hour time-weighted-average (TWA) exposure, except for the NIOSH REL for PAHs, which is based on a 10 hour TWA exposure.

Summary of Field Activity

EarthCon provided ambient air monitoring during mobilization, start-up, and excavation activities using a Thermo Environmental Instruments, Inc. Model 680 Portable Hydrocarbon Vapor Meter, which utilizes a flame ionization detector (FID). A summary of the direct readings is included in Appendix A.

EarthCon also collected air samples at selected locations near the active excavation areas utilizing Gilian BDX II air sampling pumps. The pumps were initially calibrated to 2 Liters/minute (LPM) using a mini-Buck Primary Flow Calibrator and then calibrated prior to each use using a low-flow rotameter that was also calibrated to the mini-Buck Primary Flow Calibrator. The air samples were collected by drawing known amounts of air through cassettes containing glass fiber filters (GFF). The filters were shipped to Entek Environmental Laboratories, Inc., Baton Rouge, Louisiana, to be analyzed for CTPVs by OSHA Method 58. According to OSHA Method 58, the filters are analyzed by extracting with benzene and gravimetrically determining the benzene-soluble fraction (BSF). If the BSF exceeds the appropriate PEL (0.2 mg/m³), then the sample is analyzed by high performance liquid chromatography (HPLC) with a fluorescence (μL) or ultraviolet (UV) detector to determine the presence of selected PAHs.

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The following Table 1 summarizes the analytical results of the air samples collected during excavation activities which occurred from September 23 through November 3, 2003. Please refer to the attached Figure 1 - Site Location Map and Figure 2 - Site Plan for air sampling areas and Appendix B for laboratory reports. Specific air sampling locations are described in the field data sheets attached to the laboratory reports.

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
KERR MCGEE CREOSOTE SITE
HATTIESBURG, MISSISSIPPI

Sample No.	Date	Benzene-soluble Fraction (mg/m³)	OSHA PEL (mg/m³)
92301	09/23/03	0.07	0.2
92302	09/23/03	0.04	0.2
92401	09/24/03	0.03	0.2
92402	09/24/03	0.03	0.2
92501	09/25/03	0.02	0.2
92502	09/25/03	0,02	0.2
92901	09/29/03	<0.01	0.2
92902	09/29/03	0.01	0.2
92903	09/29/03	0.02	0.2
92904	09/29/03	<0.01	0.2
93001	09/30/03	0.02	0.2
93002	09/30/03	0.02	0.2 ·
93003	09/30/03	0.04	0,2
93004	09/30/03	0.01	0.2
1011	10/01/03	<0.01	0.2
1012	10/01/03	0.01	0.2
1013	10/01/03	0.04	0.2
1014	10/01/03	0.03	0.2
10201	10/02/03	0.01	0.2
10202	10/02/03	0.03	0.2
10203	10/02/03	0.07	0.2
10204	10/02/03	0.19	0.2
10601	10/06/03	0.017	0.2

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TABLE 1 (continued) SUMMARY OF ANALYTICAL RESULTS KERR MCGEE CREOSOTE SITE HATTIESBURG, MISSISSIPPI

		Benzene-soluble	OSHA PEL
Sample No.	Date	Fraction (mg/m³)	(mg/m³)
10602	10/06/03	0.030	0.2
10603	10/06/03	0.013	0.2
10604	10/06/03	0.022	0.2
10605	10/06/03	<0.01	0.2
10701	10/07/03	0.017	0.2
10702	10/07/03	0.015	0.2
10703	10/07/03	0.078	0.2
10704	10/07/03	<0.01	0.2
10801	10/08/03	0.013	0.2
10802	10/08/03	<0.01	0.2
10803	10/08/03	0.026	0.2
10804	10/08/03	0.302	0.2
10805	10/08/03	<0.01	0.2
10901	10/09/03	0.011	0.2
10902	10/09/03	0.030	0,2
10903	10/09/03	0.015	0.2
10904	10/09/03	0.015	0.2
101301	10/13/03	0.074	0.2
101302	10/13/03	0.032	0.2
101303	10/13/03	0.042	0.2
101304	10/13/03	0.019	0.2
101401	10/14/03	0.041	0.2
101402	10/14/03	0.017	0.2
101403	10/14/03	0.028	0.2
101404	10/14/03	0.033	0.2
101501	10/15/03	<0.037	0.2
101502	10/15/03	0.052	0.2

0.302 - bold value exceeds OSHA PEL for BSF

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TABLE 1 (continued) SUMMARY OF ANALYTICAL RESULTS KERR MCGEE CREOSOTE SITE HATTIESBURG, MISSISSIPPI

Sample No.	Date	Benzene-soluble Fraction (mg/m³)	OSHA PEL (mg/m³)
101503	10/15/03	0.033	0.2
101504	10/15/03	<0.009	0.2
101601	10/16/03	<0.009	0,2
101602	10/16/03	<0.009	0.2
101603	10/16/03	0.030	0.2
101604	10/16/03	0.059	0.2
101605	10/16/03	<0.009	0.2
101606	10/16/03	0.024	0.2
101607	10/16/03	0.011	0.2
101608	10/16/03	0.091	0.2
101701	10/17/03	0.054	0.2
101702	10/17/03	0.067	. 0.2
101703	10/17/03	0.020	0.2
101704	10/17/03	0.043	0.2
102101	10/21/03	0.031	0.2
102102	10/21/03	0.041	0.2
102103	10/21/03	0.033	0.2
102104	10/21/03	0.030	0.2
102201	10/22/03	0.031	0.2
102202	10/22/03	0.011	0.2
102203	10/22/03	0.009	0.2
102204	10/22/03	<0.009	0.2
102205	10/22/03	<0.021	0.2
102206	10/22/03	<0.021	0.2
102207	10/22/03	<0.021	0.2
102208	10/22/03	<0.021	0.2
102301	10/23/03	0.009	0.2
102302	10/23/03	<0.009	0.2
102303	10/23/03	<0.009	0.2

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TABLE 1 (continued) SUMMARY OF ANALYTICAL RESULTS KERR MCGEE CREOSOTE SITE HATTIESBURG, MISSISSIPPI

Sample No.	Date	Benzene-soluble Fraction (mg/m³)	OSHA PEL (mg/m³)
102304	10/23/03	<0.009	0.2
102401	10/24/03	<0.012	0.2
102402	10/24/03	<0.012	0.2
102403	10/24/03	<0.012	0.2
102404	10/24/03	<0.012	0.2
102901	10/24/03	<0.009	0.2
102902	10/24/03	<0.009	0.2
102903	10/24/03	0.015	0.2
102904	10/24/03	<0.009	0.2
103001	10/30/03	0.031	0.2
103002	10/30/03	0.013	0.2
103003	10/30/03	0.017	0.2
103004	10/30/03	0.039	0,2
103101	10/31/03	0.017	0.2
103102	10/31/03	0.011	0.2
103103	10/31/03	0.011	0.2
103104	10/31/03	0.011	0.2
110301	11/03/03	<0.009	0.2
110302	11/03/03	<0.009	0.2
110303	11/03/03	0.011	0.2
110304	11/03/03	0.022	0.2

Sample number 10804 exceeded the BSF PEL; therefore, HPLC analysis for individual PAHs were was performed. The following Table 2 summarizes the analytical results of the HPLC analysis.

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TABLE 2 SUMMARY OF HPLC ANALYSIS KERR MCGEE CREOSOTE SITE HATTIESBURG, MISSISSIPPI

РАН	Sample No.	Concentration (ppb)	OSHA Target Concentration (ppm)
Phenanthrene	10804	<0.095	1.22
Anthracene	10804	<0.095	0.11
Pyrene	10804	<0.084	1.09
Chrysene	10804	<0.074	0.35
Benzo(a)pyrene	10804	< 0.067	0.24

Discussion of Results

With the exception of sample number 10804, all of the air sample results were well below the OSHA PEL for BSF of 0.2 mg/m³. Although the BSF analysis of sample number 10804 exceeded the OSHA PEL, the results of the HPLC analysis were below the OSHA Target Concentrations for each individual PAH constituent.

Based on a review of the air sample analytical results and direct readings collected in, and around, the excavated areas, workers in areas were not exposed to CTPVs in excess of regulatory limits. Should you have any questions concerning the contents of this report, please contact us at your convenience at (601) 853-2134. EarthCon appreciates the opportunity to provide you with environmental consulting services.

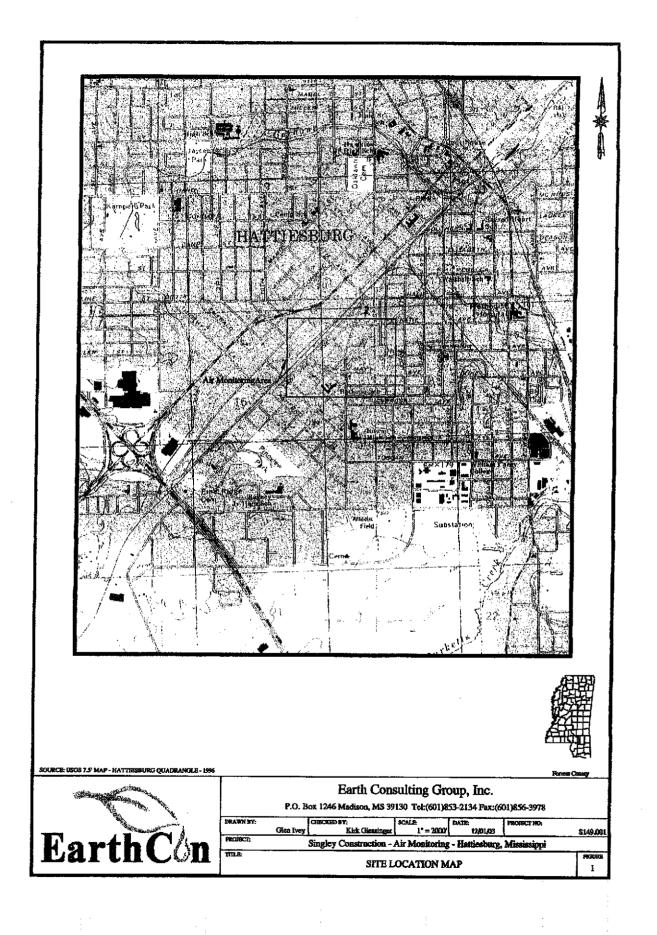
Sincerely,

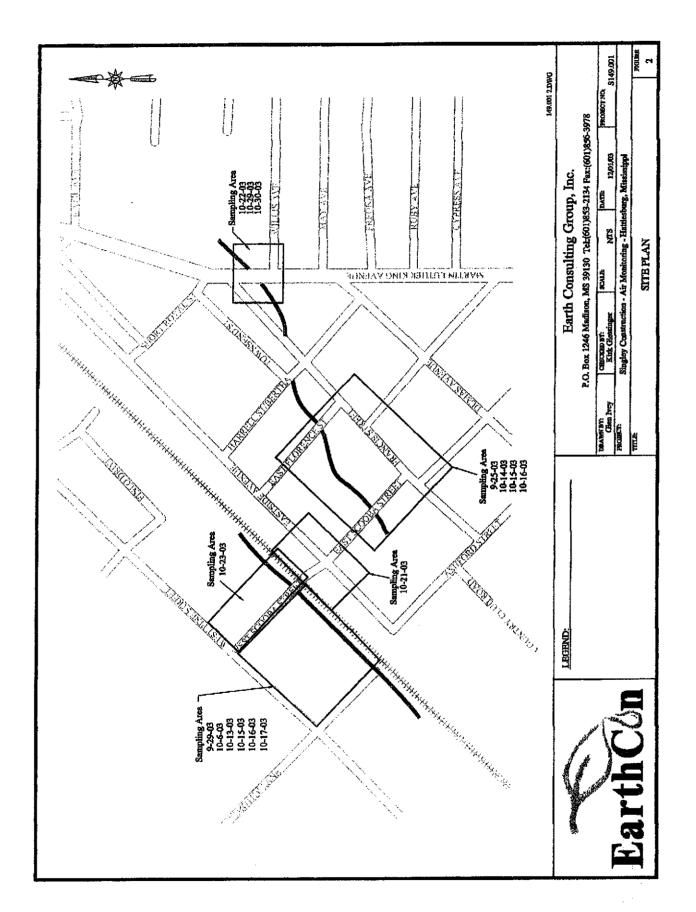
Earth Consulting Group, Inc.

Kirk L. Giessinger

Certified Indoor Air Quality Consultant

Attachments





Data For Singley - Kerr McGee, Project #:\$149.001 Compiled by Matthew Courtney

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09/23/2003	730	
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Singley-Kerr McGee project Hattlesburg, MS

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0.47	1130	
6.27	1200	

Singley-Kerr McGee project Hattlesburg, MS

2.38	1230
1.49	1300
0.65	1330
0	1400
0	1430
2.61	1500
1.64	1530
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	Maaiointiya Mint		February
10/01/2003	0	730	Not Digging
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0	1230	
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0	1330	
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2.11	1430	
2.65	1500	

Singley-Kerr McGee project Hattlesburg, MS

0	1530
0	1600
0	1630
	1700

Dae sy se se		200	Detection Wind
10/06/2003	10.07		Lot Behind Ford Dealership in second containment site/
	9348	945	" " second containment site/
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	5.8	1045	
	6.38	1115	
	5.75	1145	
	0	1215	not digging
	0	1245	not digging
	0		not digging
	4.86	1330	Lot Behind Ford Dealership in second containment site/
	3.75	1400	" Second Containment Site/
	6.21	1430	ti .
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	1.04	930	
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	2.65	1030	
	2.05	1100	
	0	1130	
	2.41	1200	
	1.76	1230	
	1.01	1300	
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	0	1700	

Wale The Part Serio Re		9/ Augustion Wine
10/08/2003	0	730 Second Containment/Wind NE @~2-5mph
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	0.72	830 "

Singley-Kerr McGee project Hattiesburg, MS

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0	930 '
0	1000 "
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0 12.15	1545 1615		

Singley-Kerr McGee project Hattiesburg, MS

Date:	FID Reading	<u>Time</u> .	Location/Wind
10/13/03(cont'd)	0	1045	Ditch behind Courtesy Ford/N~2-5mph
, ,	0	1115	n
	0	1145	
	2.79	1345	
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	0.99	1445	
TO YES			Boestien/Minds
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10/15/2003		730	
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	lidi katalih dikegari		ocalion/Whidese at the state of the second
10/16/2003	^	730	
	0	800	

Singley-Kerr McGee project Hattlesburg, MS

1.27	830
0	900
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1.01	1030
0	1100
0	1130
2.49	1200
0	1230
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0	1330
2.24	1400
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	4.46	1330	n .
	3.61	1400	п

*did not dig from 1200-1300

			PER TURBA MAJOR
10/22/2003	na	730	Intersection of Scooba & East Side/N@~5mph
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	2.75	900	ti
	0.55	930	н
	0 1	000	п
	0 1	030	я
	0 1	100	14
	0 1	130	A
	0 1	200	ч
	. 0 1	300	MLK/Wind from North West @5-10mph

Singley-Kerr McGee project Hattlesburg, MS

U	1330	11
0	1400	17
0	1430	н
0	1500	77
0	1530	11
0	1600	M
0	1630	*
0	1700	H

*did not dig from 1400-1500&1430-1500

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10/23/2003	730	
0	800	
1.8	830	,
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1.65	1230	
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2.71	1330	
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0	1430	
3.22	1500	
3.68	1530	
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			Amores (Reprovingers
10/24/2003	na		Ditch Behind Courtesy Ford Body Shop/Wind Calm
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Singley-Kerr McGee project Hattiesburg, MS

*dld not dig from 0800-1000&1400-1500

Divided and appropriate to the party	ating as a	organien Ware
10/29/2003 na		North side of MLK, digging towards school/wind calm
0	800	#
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0	900	п
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*not digging from 0800-0830, 0930-1130, 1300-1400, and 1500-1700

	<u> 1917)</u>	Pozera On Mine
10/31/2003	730	
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0	830	
1.65	900	
2.39	930	
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0	1700	

(Dates: 184, 186, Flig.Regulator			Location/unite
10/31/2003	na	730	MLK/S@~2mph
	0	800	
	0	830	H .
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	0	1400	Ħ
•			17

<u>Date:</u>		FID Reading	Time	Location/Wind
	11/03/2003	na		MLK/wind calm
		0	800	
		0	830	er .
		0	900	Ħ
		0	930	N
		0	1000	IT
		0	1030	n
		0	1100	П
		0	1130	10
		0	1200	n
		1.16	1300	11
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		0	1600 1	r
		0	1630 '	1
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^{*}not digging from 0800-1000 and 1430-1500

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706 Email: enteklabs@att.net





INDUSTRIAL HYGIENE KERR - McGEE / HATTIESBURG, MS SAMPLES COAL TAR VOLATILE ANALYSES

Samples Received: 10/03/03

FOR

POST OFFICE BOX 1246
MADISON, MS 39130

ATTENTION: C. THOMAS

OCTOBER 22, 2003 PROJECT NO.: 3-3383

Page 1 of 5

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 FAX (225) 756-2706 PHONE: (225) 752-2900

Email: enteklabs@att.net

Earth Consulting Group Madison, MS

Attention: C. Thomas





October 22, 2003 Project No.: 3-3383

Eight cassette samples were received October 3, 2003. The samples were analyzed for Coal Tar Volatiles by OSHA Method 58, as requested.

Entek is pleased to have had the opportunity to provide analytical services for parameters as requested. Please do not hesitate to contact our office if you have any questions or require additional information concerning this report.

This information has been reviewed by:

Sayi Malineni **QA** Coordinator

Sham L. Sachdev, Ph.D., CHCM Laboratory Director

ddk

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net

Earth Consulting Group

Madison, MS

Attention: C. Thomas





October 22, 2003 Project No.: 3-3383

Entek Sample ID: 03-15561

Sample ID: 92301

Sample Date: 9/23-25/03

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m ³)
BSF*	155.952	155.983	3.0	1.5	0.062	900.00	0.07

Entek Sample ID: 03-15562

Sample ID: 92302

Sample Date: 9/23-25/03

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)	(mg/fitter)	(L)	(mg/m ³)
BSF*	155.369	155.387	3.0	1.5	0.036	900.00	0.04

Entek Sample ID: 03-15563

Sample ID: 92303 Blank

Sample Date: 9/23-25/03

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m ³)
BSF*	155.189	155.196	3.0	1.5	0.014	_	-

Entek Sample ID: 03-15564

Sample ID: 92401

Sample Date: 9/23-25/03

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m ³)
BSF*	156.737	156.751	3.0	1.5	0.028	1080.00	0.03

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Earth Consulting Group Madison, MS

Attention: C. Thomas





October 22, 2003 Project No.: 3-3383

Entek Sample ID: 03-15565

Sample ID: 92402

Sample Date: 9/23-25/03

Initial Wt. Final Wt. Desorption Analysis Vol Total Air Vol Conc. (mg)(mg) (mLs) (mLs) (mg/filter) (mg/m³)(L) BSF* 154.617 154.632 3.0 1.5 0.030 1080.00 0.03

Entek Sample ID: 03-15566

Sample ID: 92501

Sample Date: 9/23-25/03

Initial Wt. Final Wt. Desorption Analysis Vol Total Air Vol Conc. (mg) (mg) (mLs) (mLs) (mg/filter) (mg/m³) (L) BSF* 155.973 155.986 3.0 1.5 0.026 1140.00 0.02

Entek Sample ID: 03-15567

Sample ID: 92502

Sample Date: 9/23-25/03

Initial Wt. Final Wt. Description Analysis Vol Total Air Vol Conc. (mg)(mg) (mLs) (mg/filter) (mg/m³) (mLs) BSF* 154.941 154.952 3.0 1.5 0.022 1140.00 0.02

Entek Sample ID: 03-15568

Sample ID: 92503

Sample Date: 9/23-25/03

Initial Wt. Final Wt. Desorption Analysis Vol Total Air Vol Conc. (mg/m³) (mg) (mLs) (mg) (mLs) (mg/filter) (L) BSF* 156.595 156,603 3.0 1.5 0.016

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FAX (225) 756-2706

Earth Consulting Group

Attention: C. Thomas

Madison, MS





October 22, 2003 Project No.: 3-3383

Quality	Control	
Method	Quant I	im

	Method Number	Quant. Limit (mg)	QA/QC
BSF*	OSHA 58	0.01	199.45/200.0
	Run 1	Run 2	%RPD
	(mg)	(mg)	
BSF*	199.446	199.45	0.002

DTA Start 10/16/03 0900 AJ DTA Finish 10/20/03 1500 AJ

* BSF - Benzene Soluble Fraction.

The sample results were all below the PEL of 0.20mg/m³ for the BSF. Subsequently, the analysis for individual PAH's was not required.

CHAIN OF CUSTODY RECORD

COMPANY:		0
Forth Consulting bromp	ENTEK PROJECT NUMBER:	3 <u>ECG3385</u>
P.O. Box 17 46		(Circle one)
Mad 1500, Mg 39150	TURNAROUND TIME:	Reg. / Rush
	NEED BY DATE:	
ATTN: C. Thongs		
PHONE: 601-853-2/34	~Sampler Must Complete~	
FAX: 601-856-3578	Sampler's Name: Matheway	Country
P.O.# 5149,001	Number of Sample(s): (8)	7
3,17,00	Date/Time Sampled: 9/23 9/	24 9/25/03
SAMPLE LOCATION:	Number & Type of Containers: 8	cassette filters
Kan - Menaie	Matrix cassette.	
Korn-Migger Hattreston, ms	Transporting Cooler Temperature:	Room Temp
		- 13.4.4.4.
92501	1 Mathol	[#] 5-8
72302		70
92507 BLANK		
97401		
59402		1,4
97 5 91		
92503 BLANK		
·		
SPECIAL INSTRUCTIONS:		
**Acceptable headspace criteria for VOC samples	Yes- No	
CHAIN OF POSSESSION:	SAMPLE TEMPERATURE AT SAMPLE RECEIPT:	Room Fem Di R 10.03.03
1.111	Kristen N. Stevens Enter	P. 10.03.03

Entek Environmental Laboratories, Inc., 14285 Airline Highway, Baton Rouge, LA 70817 Phone: (225) 752-2900 Fax: (225) 756-2706

EARTH CUINSULTING GROUP, INC. AIR SAMPLING FIELD DATA SHEET

3ECG3383

	<u>.</u>					*		7220	
Client	Sins	levlone	struction				···		
City	Itak	resburg	, Mr	Location					
EarthCon Project #	5149	eo 1	•	Area:	Floren	e t C	cooba 5	1	
Contractor	Since	lev (one	traction	Removal	Туре:	Die	<u> </u>	<u> </u>	
Collected By	by K	poin Fc	se V	Date:	9/23				
	UHM		7					 	
			FIELD SAM	PLE IDENT	TFICATIO	N			
Sample#				Sample Loca				Sample Ty	
92301	Oche	h F	ovence	4 50	rolos S.	100		Air	
92302	14		ч		1	w _α wε		1 Acr	
92303	BLHO	UIC					<u> </u>	avac	
								EXPORE	
								 	
								 	
								 	
						······································			
		SA	MPLING AN	D ANALYT	ICAL DAT	A			
	Sample #	01	02	03	04				
Begin Time		7:3011	713241	B					
End Time .		3100 M	3:0000	4					
Down Time (min)				_A-					
Total Time (min)		450	450	~					
Flow Rate (L/min)		2.0	2.0	1					
Total Volume (L)		900	900			<u> </u>			
ibers Counted				·					
ields Counted		·							
liber Conc.(fibers/cm					·				
Detection Limit(fibers					·			-	
ime Weighted Avera	ge					•			
Hour TWA									
C Fibers Counted	Fibers Counted								
nailyses Conducted in Accordance	with NIOSH M	ethod 7400							
						•			
-					•	Analyst/Date	2		
							-		

EARTH CUINSULTING GROUP, INC. AIR SAMPLING FIELD DATA SHEET

3ECG3383

							باسال			
Client	(5200)	ey Const	en tean		-					
City	131	Foodbur	C. 3775	Location	: 1/	Manag		·		
EarthCon Project #		1.001		Area:						
Contractor		y long!	tree tour		Removal Type: D:					
Collected By	001	Fel-100,		Date:	9/25/0					
	· · · · · · · · · · · · · · · · · · ·			. ,	11-510	7				
			FIELD SAM	PLE IDEN	TIFICATION	J				
Sample#				Sample Loc				Sample Ty		
92507	Defil	n Betw	een Plo	8241 Z	+ Secob	~ S}.		A Mic		
72502		wast								
92503	BLA.	SLANIC								
				•				RHac		

								±8.00.00		
•			MPLING AN			<u> </u>				
Begin Time	Sample #	01	02	03	04	<u> </u>				
End Time		7:3041	>\30A~	<u></u>	<u> </u>	ļ				
Down Time (min)	<u> </u>	SyouPa	5:0000							
Total Time (min)				A						
low Rate (L/min)		570	570	14	 					
otal Volume (L)		2-0	2.0	, -				*		
ibers Counted	 	1140	וואס							
ields Counted				i						
iber Conc.(fibers/cm.	2)									
etection Limit(fibers	/om2)					-	<u> </u>			
ime Weighted Avera							<u> </u>			
Hour TWA	5E						<u> </u>			
C Fibers Counted										
alyses Conducted in Accordance	- I transiti		 					· ·		
A STANDARD IN PRESIDENCE	WIID NIUSH MC	thed 7400								
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						·				
•										

Analyst/Date

EARTH CONSULTING GROUP, INC. AIR SAMPLING FIELD DATA SHEET

						OFL	3383	
Client	soy (a	ctraction	~	 				
City 14c	Phoos bus	c Ms	Location	. 16 2	И.,			
EarthCon Project # 51	49.001	5	Area:	· / E/	Mega			
		- L - L		<u> </u>	ne hb	cooka S	<u> </u>	
Collected By Mc	Hey lon	C. C. HON	/ Date:	9/2 4/6	55			
	1 1000	Courman	Date.	7/29/0	2.	· · · · · · · · · · · · · · · · · · ·		
		FIELD SAM	PLE IDENI	THICATIO	INT		•	
Sample#			Sample Loc	-	<u> </u>		C1, 7	
92401 P	bience	- 50006			(teh)		Sample Ty	
92702		n en	~				A:r	
	" west							
							 	
								
								
					····		<u></u>	
	SA	MPLING AN	D ANALYT	ICAL DAT	A			
Sample #	01	02	03	04		<u> </u>		
Begin Time	8:00Mm	\$10041						
End Time	8:00PM	8:00 PM						
Down Time (min)		^		·			<u> </u>	
Total Time (min)	540	540						
Flow Rate (L/min)	2-0	2.0						
Total Volume (L) Tibers Counted	1080	1080						
	 							
ields Counted	 							
iber Conc.(fibers/cm3)				•				
etection Limit(fibers/cm3)								
ime Weighted Average								
Hour TWA								
C Fibers Counted								
alyses Conducted in Accordance with NIOSH N	fethod 7400							
			,					
•, •								
-1				-	Anaiyst/Date			

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706 Email: enteklabs@att.net





INDUSTRIAL HYGIENE KERR - McGEE / HATTIESBURG, MS SAMPLES COAL TAR VOLATILE ANALYSES

Samples Received: 11/05/03

FOR

EARTH CONSULTING GROUP POST OFFICE BOX 1246 MADISON, MS 39130

ATTENTION: W. HAL MOORE

DECEMBER 3, 2003 PROJECT NO.: 3-3698

Page 1 of 6

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY **BATON ROUGE, LOUISIANA 70817** PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net

Earth Consulting Group

Madison, MS

Attention: W. Hal Moore





December 3, 2003 Project No.: 3-3698

Thirteen cassette samples were received November 5, 2003. The samples were analyzed for Coal Tar Volatiles by OSHA Method 58, as requested.

Entek is pleased to have had the opportunity to provide analytical services for parameters as requested. Please do not hesitate to contact our office if you have any questions or require additional information concerning this report.

This information has been reviewed by:

Sayi Malineni **QA** Coordinator

Sham L. Sachdev, Ph.D., CHCM

aboratory Director

ddk

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net

Earth Consulting Group

Madison, MS

Attention: W. Hal Moore





December 3, 2003 Project No.: 3-3698

Entek Sample ID: 03-17284

Sample ID: 102901

Sample Date: 10/29-31/03

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m³)
BSF*	160.233	160.233	3.0	1.5	<0.010	1080	<0.009

Entek Sample ID: 03-17285

Sample iD: 102902

Sample Date: 10/29-31/03

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m³)
BSF*	156.520	156.520	3.0	1.5	<0.010	1080	<0.009

Entek Sample ID: 03-17286

Sample ID: 102903

Sample Date: 10/29-31/03

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m³)
BSF*	156.165	156.173	3.0	1.5	0.016	1080	0.015

Entek Sample ID: 03-17287

Sample ID: 102904

Sample Date: 10/29-31/03

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m³)
BSF*	155.578	155.579	3.0	1.5	<0.010	1080	<0.009

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Earth Consulting Group

Madison, MS

Attention: W. Hal Moore





December 3, 2003 Project No.: 3-3698

Entek Sample ID: 03-17288

Sample ID: 103001

Sample Date: 10/29-31/03

	Initial Wt.	ft. Final Wt. Desorption Analysis		Analysis Vol	ol Total	Air Vol	Conc.	
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m³)	
BSF*	155.395	155.412	3.0	1.5	0.034	1080	0.031	

Entek Sample ID: 03-17289

Sample ID: 103002

Sample Date: 10/29-31/03

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m³)
BSF*	156.932	156.939	3.0	1.5	0.014	1080	0.013

Entek Sample ID: 03-17290

Sample ID: 103003

Sample Date: 10/29-31/03

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m ³)
BSF*	154.811	154.820	3.0	1.5	0.018	1080	0.017

Entek Sample ID: 03-17291

Sample ID: 103004

Sample Date: 10/29-31/03

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m³)
BSF*	156.230	156.251	3.0	1.5	0.042	1080	0.039

Page 4 of 6

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Earth Consulting Group

Madison, MS

Attention: W. Hal Moore





December 3, 2003 Project No.: 3-3698

Entek Sample ID: 03-17292 Sample ID: 103005

Sample Date: 10/29-31/03

	Initial Wt.	Final Wt,	Desorption	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m ³)
BSF*	155.074	155.075	3.0	1.5	< 0.010	_	

Entek Sample ID: 03-17293

Sample ID: 103101

Sample Date: 10/29-31/03

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m ³)
BSF*	156.810	156.819	3.0	1.5	0.018	1080	0.017

Entek Sample ID: 03-17294

Sample ID: 103102

Sample Date: 10/29-31/03

	Initial Wt.	Final Wt.	Description	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m³)
BSF*	156.015	156.021	3.0	1.5	0.012	1080	0.011

Entek Sample ID: 03-17295

Sample ID: 103103

Sample Date: 10/29-31/03

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.	
	(mg)	(mg)	(mLs)	(mLs)	(mg/fitter)	(L)	(mg/m³)	
BSF*	156.407	156.413	3.0	1.5	0.012	1080	0.011	•

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net

Earth Consulting Group

Madison, MS

Attention: W. Hal Moore





December 3, 2003 Project No.: 3-3698

Entek Sample ID: 03-17296

Sample ID: 103104

Sample Date: 10/29-31/03

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m ³)
BSF*	160.233	160.239	3.0	1.5	0.012	1080	0.011

	Quality Control				
	Method Number	Quant. Limit (mg)	QA/QC		
BSF*	OSHA 58	0.01	199.68/200.0		
	Run 1 (mg)	Run 2 (mg)	%RPD		
BSF*	199.679	199.675	0.002		

DTA Start

11/18/03 1200 AJ

DTA Finish

11/24/03 1200 AJ

The sample results were all below the PEL of 0.20mg/m³ for the BSF. Subsequently, the analysis for individual PAH's was not required.

^{*} BSF - Benzene Soluble Fraction.

CHAIN OF CUSTODY RECORD

•	OI PAIL	O OOO!	DI ILLOUIU	
COMPANY:	r			3ECG 3698
P.O. Box 1246	b-roup	ENTEK PR	OJECT NUMBER:	JLUG 3696
P.O. Box 1246	· · · · · · · · · · · · · · · · · · ·	,		(circle one)
madizon, ms 3	5130	TURNARO	UND TIME:	Reg. Rush
2.000		NEED BY D	DATE:	
1) (-	<i>a</i>	(1020 01 0		**************************************
ATTN: WI. Hal Moor		~Sampler	Must Complete-	
PHONE: [01 - 853-7	<u> </u>	Sampler's N	lame: Matthew C	
	2770	Number of S	Fammle/e): 3	DUMEY
P.O.# SN9.001				12 / 1 / 1 / 2
			Sampled: /0/2_q	10/20/03
SAMPLE LOCATION:			ype of Containers:	
Hattrosbung 1	<u> </u>	Matrix:		
		Transporting	Cooler Temperature:	
•		<u> </u>		
			•	
102901		lan area (1905). See la	OS/14 58	
162902		<u> </u>	Coal Far Uv	1.17
107908			.A1^	
102904				
103001				
103003				
10 3003 10 30 0 Y	- 			
1030 05	DAGC	BLANK		
103101				
103102				
103103	<u> </u>			
103/04				
·			<u> </u>	
SPECIAL INSTRUCTIONS:				
**Acceptable headspace criteria for	VOC samples Yes	No		
• •				
CHAIN OF POSSESSION:	SA	MPLE TEMPERATUR	LE AT SAMPLE RECEIPT:	
4	1/	untine M.	Struena-FAIL	11.05.030
- June -	/1 -	are new juice	man contract	1000
' '	L <u>`</u>		·	1000

Entek Environmental Laboratories, Inc., 14285 Airline Highway, Baton Rouge, LA 70817 Phone: (225) 752-2900 Fax: (225) 758-2706

EARTH CONSULTING GROUP, INC. AIR SAMPLING FIELD DATA SHEET

Client	Singla - Ken McGes		
City	Hickory	Location: Hatties burg, MS	
BarthCon Project#	5149.001	Area: 01th	
Contractor	Singles	Removal Type: Excavation	
Collected By	me	Date: /0/29/03	
	FIELD SAN	APLE IDENTIFICATION	ı
Sample#		Sample Type	
	4/ 4/4 = 5/	7 131	

Sample#	Sample Location	Sample Type
102901	Not Mex & side of ditch	Arre
107902	5 of MCK, 2 sick of direch	
1000	Sof Mex, w side of ditch.	
lorgou	Not MUK, of side of ditch	
	·	
•		

SAMPLING AND ANALYTICAL DATA

Sample #	01	02	03	04			
Begin Time	0800	0800	0800	asa			
End Time	1700	1700	1700	1700			
Down Time (min)	-	_ ^	-	_			
Total Time (min)	540	540	540	540			
Flow Rate (L/min)	2	2	2	12			
Total Volume (L)	1080	1080	1080	1040			
Fibers Counted							
Fields Counted					·		
Fiber Conc.(fibers/cm3)							
Detection Limit(fibers/cm3)						·	
Time Weighted Average							
8 Hour TWA							
QC Fibers Counted							

Analyses Conducted in Accordance with NIOSH Method 7400

	 _	
Analyst/Date		

EARTH CONSULTING GROUP, INC. AIR SAMPLING FIELD DATA SHEET

Client	SINGLEY/KERR MCGEE	
City	HATTIESBURG MS	Location: MLK AUE
BarthCon Project #	S149.001	Area: .
Contractor	SINGLEY	Removal Type: DIG
Collected By	KTI	Date: 10/30/03

FIELD SAMPLE IDENTIFICATION

Sample#	Sample Location	Sample Type
103001	NORTHEAST CORNER OF DIG AREA	Aren
103002	SOUTH EAST CORNER "	
103003	SOUTHWEST CORNER"	
103004	NORTHWEST CORNER!	
103005	BLANK	ወ ለቁር
•		Ţ

SAMPLING AND ANALYTICAL DATA

Sample #	01	02	03	04	T	1
Begin Time	0800	0800	0800	0800		
End Time	1700	1700	1700	1700		
Down Time (min)						
Total Time (min)	540	540	540	540		
Flow Rate (L/min)	20	2-0	20	70		
Total Velume (L)	(080	1070	1010	10,80		
Fibers Counted						
Fields Counted				,		
Fiber Conc.(fibers/cm3)						
Detection Limit(fibers/cm3)						
Time Weighted Average						
8 Hour TWA						
QC Fibers Counted						

Analyses Conducted in Accordance with NIOSH Method 7400

Analyst/Date		

EARTH CONSULTING GROUP, INC. AIR SAMPLING FIELD DATA SHEET

Client -	Single	zy Kerr	-McGee				
City	Hallo	brug, M.	5	Location:	MIKA	VE	
EarthCon Project #	5149.00	(Area:	litch		
Contractor	Single			Removal	Туре: <i>2</i> _X ()	avatim	
Collected By	ME			Date: 10	, w	•	
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Analyst/Date

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 FAX (225) 756-2706

PHONE: (225) 752-2900

Email: enteklabs@att.net





INDUSTRIAL HYGIENE KERR - McGEE / HATTIESBURG, MS SAMPLES **COAL TAR VOLATILE ANALYSES**

Samples Received: 11/24/03

FOR

EARTH CONSULTING GROUP POST OFFICE BOX 1246 MADISON, MS 39130

ATTENTION: W. HAL MOORE

DECEMBER 12, 2003 PROJECT NO.: 3-3885

Page 1 of 4

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net

Earth Consulting Group

Madison, MS

Attention: W. Hal Moore





December 12, 2003 Project No.: 3-3885

Five cassette samples were received November 24, 2003. The samples were analyzed for Coal Tar Volatiles by OSHA Method 58, as requested.

Entek is pleased to have had the opportunity to provide analytical services for parameters as requested. Please do not hesitate to contact our office if you have any questions or require additional information concerning this report.

This information has been reviewed by:

Sayi Malineni

QA Coordinator

Sham L. Sachdev Z Sham L. Sachdev, Ph.D., CHCM

Laboratory Director

ddk

Page 2 of 4

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706 Email: enteklabs@att.net AIHA
ACCREDITED
LABORATORY



Earth Consulting Group

Madison, MS

Attention: W. Hal Moore

December 12, 2003 Project No.: 3-3885

Entek Sample ID: 03-18136

Sample ID: 110301

Sample Date: 11/03/03

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m³)
BSF*	156,169	156.169	3.0	1.5	<0.010	1080	<0.009

Entek Sample ID: 03-18137

Sample ID: 110302

Sample Date: 11/03/03

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m ³)
BSF*	155.590	155.593	3.0	1.5	<0.010	1080	<0.009

Entek Sample ID: 03-18138

Sample ID: 110303

Sample Date: 11/03/03

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
*	(mg)	(mg)	(mLs)	(mLs)	(mg/fitter)	(L)	(mg/m³)
BSF*	155.360	155.366	3.0	1.5	0.012	1080	0.011

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net

Earth Consulting Group

Madison, MS

Attention: W. Hal Moore





December 12, 2003 Project No.: 3-3885

Entek Sample ID: 03-18139

Sample ID: 110304

Sample Date: 11/03/03

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m³)
BSF*	156.903	156.915	3.0	1.5	0.024	1080	0.022

Entek Sample ID: 03-18140

Sample ID: 110305

Sample Date: 11/03/03

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m³)
BSF*	154.783	154.782	3.0	1.5	<0.010	_	=

Quality Control

	Method Number	Quant. Limit (mg)	QA/QC	
BSF*	OSHA 58	0.01	199.67/200.00	,,,,,,,,,,,
	Run 1	Run 2	%RPD	
	(mg)	(mg)		
BSF*	199.672	199,683	0.006	

DTA Start

12/02/03 1000 JK

DTA Finish

12/05/03 1200 JK

The sample results were all below the PEL of 0.20mg/m³ for the BSF. Subsequently, the analysis for individual PAH's was not required.

^{*} BSF - Benzene Soluble Fraction.

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817

Please Remit to: P.O. Box 83412 Baton Rouge, LA 70884-3412

P.O. No.:

Notice:

INVOICE

PHONE: (225) 752-2900 FAX: (225) 756-2706 Email: enteklabs@att.net

Invoice Date:	12/12/03
Invoice No: _	3-3885
Sample Rec'd:	11/24/03
5149.001	
Report Mailed To:	
W. HAL MOORE	

14

ACCOUNTS PAYABLE

POST OFFICE BOX 1246 MADISON, MS 39130

EARTH CONSULTING GROUP

OFFICE US	E ONLY: 1H: 200.00			
QUANTITY			UNIT	
ORDERED	DESCRIPTION		PRICE	AMOUNT
5	COAL TAR VOLATILES - OSHA 58		40.00	\$200,00
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		SUB-TOTAL		200.00
TERMS: NET	30 DAYS	TOTAL AMOU	NT DUE	\$200.00

CHAIN OF CUSTODY RECORD

COMPANY:	ININ OF COST	DO I RECORD		
Earth Consulting Group	ENTEK PR	OJECT NUMBER:	3EC938	85
P.O. Boy 1246			(circle one)	
Madison, MS 39130	TURNARO	UND TIME:	Reg. / Rus	h
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PHONE: [01-853-2134	~Sampler	Must Complete~		
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Willen	Messe	a totale	14/24/03 10	
/ /		1	17 70 70	<u>13</u> 0

Entek Environmental Laboratories, Inc., 14285 Airline Highway, Baton Rouge, LA 70817 Phone: (225) 752-2900 Fax: (225) 756-2706

P192

PARTH COMBONIAND OROUT, HIC.

AIR SAMPLING FIELD DATA SHEET

3FCG3885

Client	Singles-lew M. Gee.	
City •	Ha Hieslowa	Location: MC// Ave
EarthCon Project #	5149.001	Area:
Contractor -	Singley	Removal Type: Excava hav
Collected By	MFC	Date: ///3/03

Sample#	Sample Location	Δ.	Sample Type
110301	· Same as topotos ma. N. E. Comer of	Ilia Aren	***
110302	S. E. Come of	la Area	-
(10303		Is Anec	1
110304	" N.W. Comerce D	is Ava.	1
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SAMPLING AND ANALYTICAL DATA Sample# 01 03 84 Begin Time 0 g00 0800 9800 0880 End Time 1700 4 1700 1700 Down Time (min) A 540 Total Time (min) 540 540 540 Flow Rate (L/min) 2 Z Total Volume (L) 1080 1080 <u>(080</u> 1080 Fibers Counted Fields Counted Fiber Conc.(fibers/cm3) Detection Limit(fibers/cm3) Time Weighted Average 8 Hour TWA QC Fibers Counted

indyses (Conducted in	Accordance with Nil	OSH Method 7400			, /
V	Äll	Dime	locations	same	as	10/31/18

Analyst/Date

8232



July 24, 2007

Mr. Corey Milton, Project Manager Singley Environmental & Remediation Services, Inc. Post Office Box 389 Columbia, Mississippi 39429

Re: EarthCon Project No. S149.006
Air Quality Monitoring
Excavation of Creosote-Contaminated Soil
Former Kerr McGee Site
Hattiesburg, Mississippi

Dear Mr. Milton:

Earth Consulting Group, Inc. (EarthCon) performed Air Quality Monitoring during the excavation of creosote-contaminated soil from the former Kerr McGee site in Hattiesburg, Mississippi beginning May 31, 2007 and ending on June 25, 2007. Project oversight services included monitoring of total volatile organic concentrations at the active excavation site with a Flame Ionization Detector (FID); point-of-compliance monitoring of Coal Tar Pitch Volatiles for the duration of excavation activities; and preparation of a summary report of the monitoring activities, data, and observations.

Field Activities

Excavation activities performed by Singley Environmental & Remediation Services, Inc. (Singley) beginning on May 31, 2007 and ending on June 25, 2007, were focused at the East Scooba Street location. Mr. Timothy Carter, Staff Scientist, performed the field air quality monitoring and testing during the excavation activities. A Detecto-Pak 4 FID was utilized for field measurements of total volatile organic vapor concentrations in the air surrounding the active excavation area. The FID was calibrated to a 100 parts-per-million (ppm) Methane calibration standard prior to field monitoring activities. The perimeter of the excavation area was scanned for total volatile organic vapor concentrations at approximate 30-minute intervals, with the highest reading recorded for each perimeter check.

Mr. Corey Milton Former Kerr-McGee Site Page 2 of 2

The field data is presented in Appendix A – Field Data Sheet. Two (2) stand-mounted vacuum pumps, calibrated to 2.0 liters-per-minute of air flow, were deployed at the upwind and downwind point of compliance to collect cassette-filtered samples over the duration of the excavation activities. The OSHA Method 58 cassette sample filters were removed from the cassettes at the conclusion of sampling, placed in preserved vials, preserved on ice, and transported to the Entek Environmental Laboratories, Inc. located in Baton Rouge, Louisiana for analysis. The cassettes were analyzed for the benzene soluble fraction of Coal Tar Pitch Volatiles by OSHA Method 58. The analytical results are presented in Appendix B – Laboratory Analytical Data.

Observations and Conclusions

The field sampling and laboratory analytical data collected by EarthCon during the excavation monitoring activities at the former Kerr McGee site in Hattiesburg, Mississippi on May 31, 2007 through June 25, 2007 indicated that volatile organic vapor concentrations ranged from zero (0) to four (4) ppm in the work areas. Benzene soluble Coal Tar Pitch Volatile concentrations in air ranged from 0.007 mg/m³ in the upwind sample on June 13, 2007, to 0.193 mg/m³ in the downwind sample on June 6, 2007. All results are indicated as below the 0.20 mg/m³ permissible exposure limit for the benzene soluble fraction in the sample report. If you have any questions concerning the contents of this report, please contact us, toll free, at (877) 389-6476.

Sincerely,

Earth Consulting Group, Inc.

tor

Timothy D. Carter

Staff Scientist

Attachments

Air Monitoring Data Summary Singley Environmental Services, Inc. Former Kerr McGee Site Hattiesburg, Mississippi June 28, 2007

				June 28, 2007	
Date	Time	Maximum FID Reading (ppm)	Prevailing Wind Condition	Field Sampling Location	Notes
	8:00	N/A	Southerly Wind	N/A	Detecto-Pak 4 FID Calibrated at 100ppm Methane pumps calibrated at 2.0 L/min
	8:30	0		Excavating drainage ditch adjacent East Scooba Street	Excavating north end of contaminated ditch
	9:30	1	N	**	H
	10:00	0	n n	•	Break
}	10:30	0	"		Excavation resumed
	11:00	0		п	*
5/31/2007	12:00	0	Variable Wind	"	-
212222041	12:30	0	a	-	
	13:00	0	н	н	Excavating - ditch approximately 30 feet long
	13:30	0		н	Break
	14:00	0	н	н	Excavation resumed
	14:30	0	н	+	Excavation and backfilling
	15:00	0	*	#	ti
	15:30	0	•	н	Break
	16:00	0		н	Excavation Stopped
	7:00	N/A	Easterly Wind	N/A	Detecto-Pak 4 FID Calibrated at 100ppm Methane, pumps calibrated at 2.0 L/min
	7:30	1 1		Excavating drainage ditch adjacent East Scooba Street	Excavating contaminated drainage ditch
	8:00 8:30	1 2	π *	7	ii H
	9:30	0	-		*
	10:00	0		71	Break
	10:30	i o	u u	п п	Excavation resumed
6/1/2007	11:00	0	м		Vacuum operations stopped
	11:30	0	Variable Wind	π	Excavation resumed
	12:00	0	н	9	п .
	12:30	0		ч	T T
	13:00	0			•
	13:30	0	4.	н "	*
	14:00 14:30	0	я 	tr .	q
	15:00	0		# ·	"
	7:00	N/A	Southerly Wind	N/A	Excavation Stopped Detecto-Pak 4 FID Calibrated at 100ppm Methane,
- 1	7:30	0	Ħ	Excavating drainage ditch adjacent East Scoobs Street	pumps calibrated at 2.0 L/min
- 1	8:00	0	п	Excavating dramage trice adjacent East 500008 Street	Excavating north end of contaminated ditch
Ì	8:30	0	n	r	н -
[9:30	0		=	Break
	10:00	0	H	٦	н
Į	10:30	4	#	η	Excavation resumed
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	15:00	0		T .	TI TI
	15:30	0	II.	*	n n
L	16:00	0		71	*
F	16:30	0		tt .	M
	17:00	0	п	#	Excavation Stopped

Air Monitoring Data Summary (continued) Singley Environmental Services, Inc.

Former Kerr McGee Site Hattiesburg, Mississippi

May 31, 2007 through June 25, 2007

	May 31, 2007 through June 25, 2007							
Date	Time	Maximum FID Reading (ppm)	Prevailing Wind Condition	Field Sampling Location	Notes			
	9:00	N/A	Westerly Wind	N/A	Detecto-Pak 4 FID Calibrated at 100ppm Methans pumps calibrated at 2.0 L/min			
į į	9:30	. 0	н	Excavating drainage ditch adjacent East Scooba Street	Excavating north end of contaminated ditch			
	10:00	0	н	•				
	10:30	1	п	π π	*			
	11:00	0		, , , , , , , , , , , , , , , , , , ,	Break			
	12:00	0	Variable Wind	9	Excavation and backfilling			
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	13:30	1	н	H H	н			
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!	14:30	1	н	*	n .			
	15:00	0	н	e tr	н			
	15:30	0		ıı				
· ·	16:00				Excavation Stopped Detecto-Pak 4 FID Calibrated at 100ppm Methane			
	8:00	N/A	Southerly Wind	N/A	pumps calibrated at 2.0 L/min			
	9:30 10:00	0	- п - п	Excavating drainage ditch adjacent to East Scooba Street	Excavating north end of contaminated ditch			
	10:00	0		7	Excavation and backfilling			
6/8/2007	11:00	Ö			EXCEVATION AND DECEMBER			
]	11:30	0	Variable Wind	ır	Break			
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Ī	12:30	1 .	Ħ	4	•			
	13:00	0	*	н	Excavation Stopped			
1	7:30	N/A	Easterly Wind	N/A	Detecto-Pak 4 FID Calibrated at 100ppm Methane, pumps calibrated at 2.0 L/min			
	8:00	0	н	Excavating drainage ditch adjacent to East Scooba Street	Excavating north end of contaminated ditch			
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6/11/2007	9:30 10:00 10:30 11:00 11:30 12:00 12:30 13:30 14:00 14:30 15:00	0 0 0 1 0 0 0 1 0 0 0 1 0	Variable Wind	π	Excavation resumed Break Excavation and backfilling " " " " "			
6/11/2007	9:30 10:00 10:30 11:00 11:30 12:00 12:30 13:00 13:30 14:00 14:30 15:00	0 0 0 0 1 0 0 0 0 1 0 0	Variable Wind	11 11 11 11 11 11 11 11 11 11 11 11 11	Excavation resumed Break Excavation and backfilling "" ""			
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Air Monitoring Data Summary (continued) Singley Environmental Services, Inc.

Former Kerr McGee Site Hattiesburg, Mississippi

May 31, 2007 through June 25, 2007

				May 31, 200/ through June 25, 200/	
Date	Time	Maximum FID Reading (ppm)	Prevailing Wind Condition	Field Sampling Location	Notes
	7:30	N/A	Southerly Wind	N/A	Detecto-Pak 4 FID Calibrated at 100ppm Methane pumps calibrated at 2.0 L/min
	8:00	0	•	Excavating drainage ditch adjacent to East Scoobs Street	Excavating north end of contaminated ditch
	8:30	1	*	* *	•
	9:30	0	*	•	*
	10:00	0		•	п
	10:30	0	*	п	-
	11:00	0	#	#	•
	11:30	0	Northerly Wind		Break
6/13/2007	12:00	0	н		Excavation and backfilling
	12:30	0	н	•	н
	13:00	D	ır	#	#
	13:30	0	и	11	
	14:00	0		п	Ħ
•	14:30	1		И	
	15:00	0		н	H
	15:30	0	4	H .	М
	16:00	0		n n	н
	16:30	1		,	Excavation Stopped
	7:30	N/A	Southerly Wind	N/A	Detecto-Pak 4 FID Calibrated at 100ppm Methane pumps calibrated at 2.0 L/min
	8:00	0	Ŧ	Excavating drainage ditch adjacent to East Scooba Street	Excavating south end of contaminated ditch
	8:30	1	*	#	11
	9:30	0		*	*
	10:00	0	"	N .	n n
	10:30	0	П	•	Ħ
	11:00	0	H	•	
	11:30	0	Northerly Wind	4	Break
6/14/2007	12:00	0	π	*	Excavation and backfilling
W1412001	12:30	0	ti	П	al al
	13:00	0	7	ii .	н .
	13:30	0	п	N .	P
	14:00	0	if	*	e e
1	14:30	1			<u> </u>
	15:00	0		H	H
L	15:30	0		N	d
ļ	16:00	0	**	0	н
Ĺ	16:30	1	<u> </u>	н	н
	17:00	1	4 4 1 20 1	, , , , , , , , , , , , , , , , , , ,	Excavation Stopped Detecto-Pak 4 FID Calibrated at 100ppm Methane,
Ļ	7:30	N/A	Southerly Wind	N/A	pumps calibrated at 2.0 L/min
ł	8:00 9:30	0		Excavating drainage ditch adjacent to East Scooba Street	Excavating south end of contaminated ditch
-	10:00	0.		#	n n
6/15/2007	10:30	0	T T	н	Excavation and backfilling
	11:00	0		*	- A STANSON AND DECKINING
}	11:30	0	Variable Wind	4	Break
F	12:00	0	4 THE PARTY	*	11
F	12:30	1			м
ŀ		0			
	13:00 8:30	N/A	Variable Wind		Excavation Stopped Detecto-Pak 4 FID Calibrated at 100ppm Methane,
-				N/A	pumps calibrated at 2.0 L/min Excavating south end of contaminated ditch
⊦	9:00 9:30	1 1	1	Excavating drainage ditch adjacent to Timothy Lane	Excavating south end of contaminated ditch
}	10:00	1 1	77	 a	н
-	10:30	0		*	н
6/18/2007	11:00	0	п) I	-
-	11:30	1	η-	•	Break
-	12:00	1	7	н	Excavation and backfilling
F	12:30	0		ď	Excavation and packtaining
H	13:00	0		н	
-	13:30	0			н
-	14:00	6		и	Excavation Stopped
	14:00	. •		*	Exparation Stopped

Air Monitoring Data Summary (continued) Singley Environmental Services, Inc. Former Kerr McGee Site

Hattiesburg, Mississippi May 31, 2007 through June 25, 2007

Date	Time	Maximum PID Reading (ppm)	Prevailing Wind Condition	Field Sampling Location	Notes
	8:30	N/A	Easterly Wind	N/A	Detecto-Pak 4 FiD Calibrated at 100ppm Methane, pumps calibrated at 2.0 L/min
	9:00	0	"	Excavating drainage ditch adjacent to Timothy Lane	Excavating south end of contaminated ditch
	9:30	0	н	"	п
	10:00	0	N		,
	10:30	0	*	H	•
6/21/2007	11:00	0	•	•	ч
	11:30	0	н	я	Break
Ţ	12:00	ī	Variable Wind	Ħ	Excavation and backfilling
[12:30	0	и	11	N
[13:00	1	l#	н	*
	13:30	0	н	Н	
	14:00	0		N N	Excavation Stopped
	7:00	N/A	Easterly Wind	N/A	Detecto-Pak 4 FID Calibrated at 100ppm Methane, pumps calibrated at 2.0 L/min
	7:30	1		Excavating drainage ditch along East Scooba Street	Excavating contaminated drainage ditch
	8:00	1	•	,	•
[8:30	2	•	n	
	9:30	0	"	•	7
	10:00	Q	н	#	Break
	10:30	0		11	Excavation resumed
6/25/2007	11:00	0	•	н	Vacuum operations stopped
	11:30	0	Variable Wind	H	Excavation resumed
	12:00	0	4		1
	12:30	0	н	# #	ч
	13:00	0	н	#	H ,
	13:30	0	11		*
	14:00	0	•	n n	•
	14:30	0	er er		*
	15:00	0	н	a	Excavation Stopped

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIÁNA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net



INDUSTRIAL HYGIENE BSF - OSHA 58 ANALYSES SAMPLES RECEIVED: 06/05/07

FOR

EARTH CONSULTING GROUP, INC. 110 WEISENBERGER ROAD MADISON, MS 39110

ATTENTION: TIM CARTER

JULY 2, 2007 PROJECT NO.: IH7-0137

Page 1 of 4

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net

Earth Consulting Group, Inc.

Madison, MS

Attention: Tim Carter



Project No.:

IH7-0137

Report Date:

07/02/07

Date Received:

06/05/07

P.O. No.:

S149.006

Sample Location: Former Kerr McGee Site, Hattiesburg, MS

Four industrial hygiene cassettes were received and analyzed for Benzene Soluble Fraction, Method OSHA 58, as requested.

Entek is pleased to have had the opportunity to provide analytical services for parameters as requested. Please do not hesitate to contact our office if you have any questions or require additional information concerning this report.

This information has been reviewed by:

Sayi Malineni

QA Coordinator

Sham L. Sachdev Ph. D., CHCM

Laboratory Director

ms

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net

Earth Consulting Group, Inc.

Madison, MS

Attention: Tim Carter



Project No.:

IH7-0137

Report Date:

07/02/07

Date Rec'd:

06/05/07

P.O. No.:

\$149.006

Entek Sample ID: 07-06843

Sample ID: 06-01-07-01

Sample Date: 06/01/07

		Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
	_ (mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m³)
BSF*	0.098	0.137	3.0	1.5	0.078	928	0.084

Entek Sample ID: 07-06844

Sample ID: 06-01-07-02

Sample Date: 06/01/07

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m³)
BSF*	3.727	3.772	3.0	1.5	0.090	928	0.097

Entek Sample ID: 07-06845

Sample ID: 05-31-07-01

Sample Date: 05/31/07

	Initial Wt.	Final Wt. Desorption		Analysis Vol	Total	Air Vol	Conc.	
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m ³)	
BSF*	-0.026	0.023	3.0	1.5	0.098	980	0.100	

Entek Sample ID: 07-06846 Sample ID: 05-31-07-02

Sample Date: 05/31/07

	Initial Wt.	Final Wt. Desorpti		Analysis Vol	Total	Air Vol	Conc.	
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m³)	
BSF*	-0.422	-0.396	3.0	1.5	0.052	980	0.053	

Page 3 of 4

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Earth Consulting Group, Inc.

Madison, MS

Attention: Tim Carter



Project No.:

IH7-0137

Report Date:

07/02/07

Date Rec'd:

06/05/07

P.O. No.:

S149.006

Quality Control

	Quanty	Outilion		
	Method Number	Quant. Limit (mg)	QA/QC (obs/true)	
BSF*	OSHA 58	0.01	5.014/5.00	
	Run 1 (mg)	Run 2	%RPD	
BSF*	10.022	(mg) 10.019	0.030	

DTA Start 06/19/07 AJ DTA Finish 06/22/07 AJ

* BSF - Benzene Soluble Fraction.

The sample results were all below the PEL of 0.20mg/m³ for the BSF. Subsequently, the analysis for individual PAH's was not required.

COMPANY:	OF CUSTODY RECORD	•
	ENTEK PROJECT NUMBER:	1475060177
Earth Consulting Group Inc. 110 Weisen herger Road	ENTER PROJECT NOMBER.	IH7ECGD137
Madison, MS 39110	TURNAROUND TIME:	(circle one) (Reg) / Rush
maison, ms still	NEED BY DATE:	(Regi / Rusii
ATTN: Tim Carter	NCED BY DATE.	
ATTN: /im (arter PHONE: (601) 853-2134	~Sampler Must Complete~	
FAX: (601) 856 - 3978	Sampler's Name: Tim Carter	
P.O.# 5149,006	Number of Sample(s): 4/	· · · · · · · · · · · · · · · · · · ·
	Date/Time Sampled: May 31 &	kine 1 2007
SAMPLE LOCATION:		Cassettes
Former Kenn Mages Site	Matrix: Aar	
Former Kenn Mageo Site	Transporting Cooler Temperature:	
N		
SAMPLE IDENTIFICATION PRSVD	SAMPLE NOTES	
	ACCEPTABLE ANALYSES REC NTAINER: PACKING, ETC.	DUESTED STORAGE
06-01-07-01	OSHA 58	
06-01-07-02	0544 58	
05-31-07-01		
05-31-07-02		
Sample Rate, 2.	0 L perminute	
SPECIAL INSTRUCTIONS:		

**Acceptable headspace criteria for VOC samples Yes_	No	
	MPLE TEMPERATURE AT SAMPLE RECEIPT:	
	ŒIVĒD BY:	DATE/TIME
Lim Carty 6-4-07	15 16	
Feder Ja	ake Jaldez	1201 F012010
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Entek Environmental Laboratories, Inc., 14285 Airline Highway, Baton Rouge, LA 70817 Phone: (225) 752-2900 Fax: (225) 756-2706

ENTEK -

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net



INDUSTRIAL HYGIENE BSF - OSHA 58 ANALYSES SAMPLES RECEIVED: 06/07/07

FOR

EARTH CONSULTING GROUP, INC. 110 WEISENBERGER ROAD MADISON, MS 39110

ATTENTION: TIM CARTER

JULY 2, 2007 PROJECT NO.: IH7-0147

Page 1 of 3

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIÀNA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Earth Consulting Group, Inc.

Madison, MS

Attention: Tim Carter



Project No.: Report Date:

IH7-0147 07/02/07

Date Received:

06/07/07

P.O. No.:

S149.006

Sample Location: Former Kerr McGee Site, Hattiesburg, MS

Two industrial hygiene cassettes were received and analyzed for Benzene Soluble Fraction, Method OSHA 58, as requested.

Entek is pleased to have had the opportunity to provide analytical services for parameters as requested. Please do not hesitate to contact our office if you have any questions or require additional information concerning this report.

This information has been reviewed by:

Sayi Malineni QA Coordinator

Sham L. Sachdev Ph. D., CHCM

Laboratory Director

ms

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net

Earth Consulting Group, Inc.

Madison, MS

Attention: Tim Carter



Project No.:

IH7-0147

Report Date:

07/02/07

Date Rec'd:

06/07/07

P.O. No.:

S149.006

Entek Sample ID: 07-06988

Sample ID: 06-06-07-01 Sample Date: 06/06/07

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m ³)
BSF*	0.361	0.471	3.0	1.5	0.220	1140	0.193

Entek Sample ID: 07-06989

Sample ID: 06-06-07-02

Sample Date: 06/06/07

•	Initial Wt.	Final Wt. Desorption		Analysis Vol	Total	Air Vol	Conc.	
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m ³)	
BSF*	-1.182	-1,082	3.0	1,5	0.200	1140	0.175	

Quality Control

	Method Number	Quant, Limit (mg)	QA/QC (obs/true)	
BSF*	OSHA 58	0.01	5.014/5.00	
	Run 1 (mg)	Run 2 (mg)	%RPD	
BSF*	10.022	10.019	0.030	

DTA Start 06/19/07 AJ DTA Finish 06/22/07 AJ

The sample results were all below the PEL of 0.20mg/m³ for the BSF. Subsequently, the analysis for individual PAH's was not required.

^{*} BSF - Benzene Soluble Fraction.

INDUSTRIAL HYGIENE CHAIN OF CUSTODY RECORD

Earth Consulting Group, Irc.	ENTEK PROJECT NUMBER: 147864014 7
Farth Consulting Group, Irc. 110 Weisenberger Road Malison, MS 39110	TURNAROUND TIME: (RÉG) / RUSH
	NEED BY DATE:
ATTN: Tim Carter PHONE (601) - 853-2134	Sampler Must Complete
FAX: (601) 856-39>8	Sampler's Name: Tim Carter
P.O.# 5149.006	

Number of Sample(s):

SAMPLE LOCATION:

Number & Type of Containers: 2 Cassettes

		7 220010					
SAMPLE IDENTIFICATION	COLLECTION DATE	MEDIA	SAMPLE VOLUME	ANALYSIS REQUESTED			
06-06-07-01	6-6-07		2.0L/min	OSHA 58			
06-06-07-02	6-6-07		2.02/min	054A 5B			
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			<u> </u>				
			<u> </u>				
	<u> </u>						
		· · · · · · · · · · · · · · · · · · ·					

CHAIN OF POSSESSIO	N:			
RELINQUISHED BY		ARECEIVED	BY	DATE/TIME
Tim Carter	6-6-07	spekie	Valder	010107 1125
	5:45m	N	0	
Catala Cardinamanantal I	-1	4.400E Alulius I III.	hurry Daton Ba	I & 70047

Entek Environmental Laboratories, Inc., 14285 Airline Highway, Baton Rouge, LA 70817

Phone: (225) 752-2900 Fax: (225) 756-2706

ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
PHONE: (225) 752-2900 FAX (225) 756-2706
Email: enteklabs@att.net



INDUSTRIAL HYGIENE BSF - OSHA 58 ANALYSES SAMPLES RECEIVED: 06/08/07

FOR

EARTH CONSULTING GROUP, INC. 110 WEISENBERGER ROAD MADISON, MS 39110

ATTENTION: TIM CARTER

JULY 2, 2007 PROJECT NO.: IH7-0148

Page 1 of 3

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
PHONE: (225) 752-2900 FAX (225) 756-2706
Email: enteklabs@att.net

Earth Consulting Group, Inc.

Madison, MS

Attention: Tim Carter



Project No.:

IH7-0148

Report Date:

07/02/07

Date Received:

06/08/07

P.O. No.:

S149.006

Sample Location: Former Kerr McGee Site, Scooba Street, Hattiesburg, MS

Two industrial hygiene cassettes were received and analyzed for Benzene Soluble Fraction, Method OSHA 58, as requested.

Entek is pleased to have had the opportunity to provide analytical services for parameters as requested. Please do not hesitate to contact our office if you have any questions or require additional information concerning this report.

This information has been reviewed by:

Sayi Malineni QA Coordinator

Sham L. Sachde√ Ph. D., CHCM

Laboratory Director

ms

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net

Earth Consulting Group, Inc.

Madison, MS

Attention: Tim Carter



Project No.: Report Date: IH7-0148 07/02/07

Date Rec'd:

06/08/07

P.O. No.:

S149.006

Entek Sample ID: 07-07015 Sample ID: 06-07-07-01 Sample Date: 06/07/07

Initial Wt. Final Wt. Desorption Analysis Vol Total Air Vol Conc. (mg/filter) (mg/m³) (mg) (mg)(mLs) (mLs) (L) BSF* -0.202-0.1423.0 1.5 0.120 824 0.146

> Entek Sample ID: 07-07016 Sample ID: 06-07-07-02 Sample Date: 06/07/07

	Initial Wt.	Final Wt.		Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m³)
BSF*	-1.512	-1.473	3.0	1.5	0.078	824	0.095

Quality Control Method Quant. Limit QA/QC

	Number	(mg)	(obs/true)
BSF*	OSHA 58	0.01	5.014/5.00
	Pun 1	Pun 2	%PDD

	Rull i	RuitZ	物内PD
	(mg)	(mg)	
BSF*	10.022	10.019	0.030

DTA Start 06/19/07 AJ DTA Finish 06/22/07 AJ

The sample results were all below the PEL of 0.20mg/m3 for the BSF. Subsequently, the analysis for individual PAH's was not required.

^{*} BSF - Benzene Soluble Fraction.

CHAIN OF CUSTODY RECORD

COMPANY:				,
Earth Consulting Group	Inc.	ENTEK PRO	JECT NUMBER:	147ECG0148
110 Weisenherger Rd.	<u></u>			(circle one)
Malison, MS 39110		TURNAROUN	ID TIME:	(Reg.)/ Rush
		NEED BY DA	TE:	
ATTN: Tim Carter				
PHONE: (601) 45-3-2134			lust Complete~	
FAX: (601) 856-3978	<u> </u>		me: Tim Garter	
P.O.# 5149.006		Number of Sa		
		Date/Time Sa	mpled: 6-7-07 98	m - 4m
SAMPLE LOCATION:		Number & Typ	e of Containers: 2	Cassettes
Scooba St.		Matrix: air		
Hastieshurg, M5		Transporting (Cooler Temperature:	na
Former Kerr Meger Site	· · · · · · · · · · · · · · · · · · ·			
-				
		SAMPLE NOTES		
SAMPLE IDENTIFICATION	PRSVD Y / N CONT	ACCEPTABLE AINER, PACKING, ETC.	ANALYSES REC	QUESTED STORAGE
06-07-07-01	2	01 Imin	1254A 5B	
06-07-07-02	2	Ol lonin	0544 58	
		- Jr. 17 171111	CDAT 00	
		<u></u>		
		······································		
			<u> </u>	
		·		
SPECIAL INSTRUCTIONS:			<u> </u>	
**Acceptable headspace criteria for VOC	samples Yes	_ No		
CHAIN OF POSSESSION: RELINQUISHED BY:		LE TEMPERATURE	AT SAMPLE RECEIPT:	DATE/TIME
	7	de l'aix		\ \ \ \ \
7im Carter 4:35/	m Page	Mrs. Car		06/08/04/036

Entek Environmental Laboratories, Inc., 14285 Airline Highway, Baton Rouge, LA 70817 Phone: (225) 752-2900 Fax: (225) 756-2706

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net



INDUSTRIAL HYGIENE BSF - OSHA 58 ANALYSES SAMPLES RECEIVED: 06/11/07

FOR

EARTH CONSULTING GROUP, INC. 110 WEISENBERGER ROAD MADISON, MS 39110

ATTENTION: TIM CARTER

JULY 2, 2007 PROJECT NO.: IH7-0150

Page 1 of 3

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Earth Consulting Group, Inc.

Madison, MS

Attention: Tim Carter



Project No.: __ Report Date:

1H7-0150 07/02/07

Date Received:

06/11/07

P.O. No.:

S149.006

Sample Location: Former Kerr McGee Site, Hattiesburg, MS

Two industrial hygiene cassettes were received and analyzed for Benzene Soluble Fraction, Method OSHA 58, as requested.

Entek is pleased to have had the opportunity to provide analytical services for parameters as requested. Please do not hesitate to contact our office if you have any questions or require additional information concerning this report.

This information has been reviewed by:

Sayi Malineni QA Coordinator

Sham L. Sachdev Ph. D., CHCM

Laboratory Director

ms

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Earth Consulting Group, Inc.

Madison, MS

Attention: Tim Carter



Project No.: Report Date:

1H7-0150 07/02/07

Date Rec'd:

06/11/07

P.O. No.:

S149.006

Entek Sample ID: 07-07176 Sample ID: 06-08-07-01 Sample Date: 06/08/07

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m³)
BSF*	0.603	0.621	3.0	1.5	0.036	558	0.065

Entek Sample ID: 07-07016 Sample ID: 06-08-07-02 Sample Date: 06/08/07

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m ³)
BSF*	-0.924	-0.896	3.0	1.5	0.056	558	0.100

Quality Control

	Method Number	Quant, Limit (mg)	QA/QC (obs/true)	
BSF*	OSHA 58	0.01	5.014/5.00	
	Run 1	Run 2	%RPD	
	(mg)	(mg)	<u> </u>	
BSF*	10.022	10.019	0.030	

DTA Start 06/19/07 AJ DTA Finish 06/22/07 AJ

The sample results were all below the PEL of 0.20mg/m³ for the BSF. Subsequently, the analysis for individual PAH's was not required.

Page 3 of 3

^{*} BSF - Benzene Soluble Fraction.

CHAIN OF CUSTODY RECORD

	CHAIN	OF C0910L	I KECOKD	
COMPANY:	. т.	ENTEK DDA	JECT NUMBER:	1H7EC40150
110 Weisenherger Rd	2, LAC.	ENTERFRO	ECT NOWDER.	<u> </u>
	<u></u>	TURNAROUN	ID TIME.	(circle one)
Madison, MS 3911	<u>U</u>	NEED BY DA		(Reg) / Rusii
ATTN: Tim Conter		NEED BY DA	IE.	
ATTN: 1 im (arter PHONE: (601) 853-2134		~Sampler N	lust Complete~	
FAX: (601) 856-3978)	Sampler's Na		er
P.O.# 5149.006		Number of Sa		usseHes
		Date/Time Sa		7
SAMPLE LOCATION:		Number & Typ	e of Containers: 2	Cassoffes
Former Kerr Migee 5	iite_	Matrix: an		
Former Kerr Migee 5 Halliesburg, MS		Transporting (Cooler Temperature	: nA
<u> </u>				
CAMPLE INCLUSION		SAMPLE NOTES		
SAMPLE IDENTIFICATION	PRSVD C	ACCEPTABLE ONTAINER PACKING ETC.	ANALYSES RI	EQUESTED STORAGE
06-08-07-01		2.01 Inin	<i>0541A</i> 58	
06-08-07-02		2 of Inin	OSHA 58	
SPECIAL INSTRUCTIONS:				
**Acceptable headspace criteria for VOC	samples Ye	s No		
	oumpioo 10			
CHAIN OF POSSESSION:	S.	MPLE TEMPERATURE	AT SAMPLE RECEIPT:	NA
RELINQUISHED BY	R	CEIVED BY:		DATERINE
Tim Carter 2:0	Om	beker labol	lh .	8501 FOLLIBIO
(VIa Fedex)	()	0	

Entek Environmental Laboratories, Inc., 14285 Airline Highway, Baton Rouge, LA 70817 Phone: (225) 752-2900 Fax: (225) 756-2706

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817

PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net



INDUSTRIAL HYGIENE BSF - OSHA 58 ANALYSES SAMPLES RECEIVED: 06/12/07

FOR

EARTH CONSULTING GROUP, INC. 110 WEISENBERGER ROAD MADISON, MS 39110

ATTENTION: TIM CARTER

JULY 2, 2007 PROJECT NO.: IH7-0157

Page 1 of 3

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net

Earth Consulting Group, Inc.

Madison, MS

Attention: Tim Carter



Project No.: Report Date:

1H7-0157 07/02/07

Date Received:

06/12/07

P.O. No.:

S149.006

Sample Location: Former Kerr McGee Site, Hattiesburg, MS

Two industrial hygiene cassettes were received and analyzed for Benzene Soluble Fraction, Method OSHA 58, as requested.

Entek is pleased to have had the opportunity to provide analytical services for parameters as requested. Please do not hesitate to contact our office if you have any questions or require additional information concerning this report.

This information has been reviewed by:

Sayi Malineni

QA Coordinator

Sham L. Sachdev Ph. D., CHCM

Laboratory Director

ms

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net

Earth Consulting Group, Inc.

Madison, MS

Attention: Tim Carter



Project No.: Report Date:

IH7-0157

Date Rec'd:

07/02/07 06/12/07

P.O. No.:

S149.006

Entek Sample ID: 07-07230 Sample ID: 06-11-07-01

Sample Date: 06/11/07

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m³)
BSF*	-0.852	-0.800	3.0	1.5	0.104	1052	0.099

Entek Sample ID: 07-07231

Sample ID: 06-11-07-02 Sample Date: 06/11/07

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m³)
BSF*	-0.254	-0.215	3.0	1.5	0.078	1052	0.074

Quality Control

	Method	Quant. Limit	QA/QC	
	Number	(mg)	(obs/true)	
BSF*	OSHA 58	0.01	5.014/5.00	
	Run 1 (mg)	Run 2 (mg)	%RPD	
BSF*	10.022	10.019	0.030	

DTA Start 06/19/07 AJ DTA Finish 06/22/07 AJ

The sample results were all below the PEL of 0.20mg/m³ for the BSF. Subsequently, the analysis for individual PAH's was not required.

Page 3 of 3

^{*} BSF - Benzene Soluble Fraction.

ENTEK ENVIRONMENTAL LABORATORIES, INC.

14285 Airline Highway Baton Rouge, LA 70817 (225) 752-2900

SHIPPING TICKET

	()			
			Date Shipped: Invoice No:	05/31/07
	Tim Carter	P.O. No: Notice:	110 Weisenberge	ar Dd
	Earth Consulting	1100000:	Madison, MS 391	
	<u> </u>		riadison, ris 391	10
OFFICE USE C	NLY:			
QUANTITY ORDERED	DESCRIPTION		UNIT PRICE	AMOUNT
25	4mL vial and 37mm cassettes for OSI	HA 58	\$5,00	\$125,00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0,00
				\$0.00
				\$0.00
		· · · · · · · · · · · · · · · · · · ·		\$0.00
				\$0.00
				\$0.00
				\$0.00
	**************************************	SUB-TOTAL		\$125.00
		TAX		
		FREIGHT		
TERMS: NET 3	DAYS UPON RECEIPT	TOTAL		

Received by:	Tim	Carter	Date:	6-6-07
		100 / 0		9 <u>7 7 9 1</u>

CHAIN OF CUSTODY RECORD

COMPANY:		
Earth Consulting Group, Inc. 110 Weisenberger Road Madison, Mississippi 39110	_ ENTEK PROJECT NUMBER:	1478CG015 7
110 Weisen berger Road	· _	(circle one)
Madison Mississippi 39110	TURNAROUND TIME:	Reg / Rush
	NEED BY DATE:	
ATTN: Tim Carter	_	
PHONE: (601) 853-2134	~Sampler Must Complete~	
FAX: (60) 856-3978	Sampler's Name: Tim Carte	!r
P.O.# 5149.006	Number of Sample(s): 2	
	Date/Time Sampled: 6-//-07	
SAMPLE LOCATION:	Number & Type of Containers: 2	Cassettes
Former Kern Megee Site	Matrix: air	
Former Kerr Magee Site Haltiesburg, MS	Transporting Cooler Temperature	
	SAMPLE NOTES	
SAMPLE IDENTIFICATION PRSVD Y / N	ACCEPTABLE ANALYSES R CONTAINER; PACKING, ETC.	EQUESTED STORAGE
06-11-07-01	2.01/min OSHA 57	
06-11-07-02	202 Inin ESHA 58	
00 11 01 02	diol/min CONA 38	
		· ·
		,
SPECIAL INSTRUCTIONS:		
*Acceptable headspace criteria for VOC samples Y	/es No	
WAIN OF BOOKERSON.	SAMPLE TEMPERATURE AT SAMPLE RECEIPT:	
EUNOUISIEDBY	RECEIVED BY	DATE/TIME
ELINOUISHED BY	RECEIVED BY VUIDUY	01.017.141
	1 10 10	1 1 1

Entek Environmental Laboratories, Inc., 14285 Airline Highway, Baton Rouge, LA 70817 Phone: (225) 752-2900 Fax: (225) 756-2706

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net



INDUSTRIAL HYGIENE BSF - OSHA 58 ANALYSES SAMPLES RECEIVED: 06/13/07

FOR

EARTH CONSULTING GROUP, INC. 110 WEISENBERGER ROAD MADISON, MS 39110

ATTENTION: TIM CARTER

JULY 13, 2007 PROJECT NO.: IH7-0159

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net

Earth Consulting Group, Inc.

Madison, MS

Attention: Tim Carter



Project No.:

IH7-0159

Report Date: Date Received: 07/13/07 06/13/07

P.O. No.:

S149,006

Sample Location: Former Kerr McGee Site, Hattiesburg, MS

le

Two industrial hygiene cassettes were received and analyzed for Benzene Soluble Fraction, Method OSHA 58, as requested.

Entek is pleased to have had the opportunity to provide analytical services for parameters as requested. Please do not hesitate to contact our office if you have any questions or require additional information concerning this report.

This information has been reviewed by:

Sayi Malineni

QA Coordinator

Sham L. Sachdev Ph. D., CHCM

Laboratory Director

ms

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net
Earth Consulting Group, Inc.

Madison, MS

Attention: Tim Carter



Project No.:

IH7-0159

Report Date: Date Rec'd: 07/13/07 06/13/07

P.O. No.:

S149,006

Entek Sample ID: 07-07289 Sample ID: 06-12-07-01

Sample Date: 06/12/07

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
Parameter	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m³)
BSF*	-0.012	-0,003	3.0	1.5	0.018	1028	0.018

Entek Sample ID: 07-07290 Sample ID: 06-12-07-02 Sample Date: 06/12/07

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
Parameter	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m³)
BSF*	-0.550	-0.530	3.0	1.5	0.040	1028	0.039

	Quality	Control		
	Method	Quant. Limit	QA/QC	
	Number	(mg)	(obs/true)	
BSF*	OSHA 58	0.01	5.014/5.00	
	Run 1	Run 2	%RPD	
	(mg)	(mg)		
BSF*	10.022	10.019	0.030	

DTA Start 07/03/07 AJ DTA Finish 07/05/07 AJ

The sample results were all below the PEL of 0.20mg/m³ for the BSF. Subsequently, the analysis for individual PAH's was not required.

The initial weight and final weight may be a negative number in cases where the sample crucible weighs less than the reference crucible.

^{*} BSF - Benzene Soluble Fraction.

CHAIN	OF COSTOD	Y RECORD	,
_	ENTEK PROJI	ECT NUMBER:	1H78CGD157
110 Weisenherger Road			(circle one)
Madison, ms 39110	TURNAROUN	D TIME:	<re re<="" th=""></re>
7.400000	NEED BY DAT		
ATTN: Tim Carter	.,		
PHONE:(60) 951-8124	~Sampler M	ust Complete~	
FAX: (601) 856-3978	Sampler's Nam	ne: Tim Cartor	
P.O.# 5149.006	Number of Sar		
	Date/Time San	npled: <i>6-1</i> 2-07	
SAMPLE LOCATION:		e of Containers:2	assettes
Former Kerr Migor 5.te	Matrix: air		
Former Kerr Migge 5:te Halfiesburg, MS	Transporting C	ooler Temperature: ,	VIA
	SAMPLE NOTES ACCEPTABLE MITAINER, PACKING, ETC.	ANALYSES REG	UESTED STORAGE
06-12-07-01	2.0L/nin	O54A 68	
06-12-07-02	2.02/min	054458	<u> </u>
		<u> </u>	
		<u>.</u>	
SPECIAL INSTRUCTIONS:			
**Acceptable headspace criteria for VOC samples Yes	No		
OHAIN OF PROPERTY.		47 4 1440) 5 D505/DT	
	MPLE TEMPERATURE / CEIVED BY:	AT SAMPLE RECEIPT:	DATE/TIME
Tim Cotes 6-12-07	maker (2	-\ .	96 18 10 not
Jim Green 6-12-07 5:05 pm	Thomas /	/) 	100/10/07 1000
0.05 pm	<u> </u>		

Entek Environmental Laboratories, Inc., 14285 Airline Highway, Baton Rouge, LA 70817 Phone: (225) 752-2900 Fax: (225) 756-2706

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net



INDUSTRIAL HYGIENE BSF - OSHA 58 ANALYSES SAMPLES RECEIVED: 06/14/07

FOR

EARTH CONSULTING GROUP, INC. 110 WEISENBERGER ROAD MADISON, MS 39110

ATTENTION: TIM CARTER

JULY 13, 2007 PROJECT NO.: IH7-0160

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net

Earth Consulting Group, Inc.

Madison, MS

Attention: Tim Carter



Project No.: Report Date:

1H7-0160 07/13/07

Date Received:

06/14/07

P.O. No.:

S149.006

Sample Location: Former Kerr McGee Site, Hattiesburg, MS

Two industrial hygiene cassettes were received and analyzed for Benzene Soluble Fraction, Method OSHA 58, as requested.

Entek is pleased to have had the opportunity to provide analytical services for parameters as requested. Please do not hesitate to contact our office if you have any questions or require additional information concerning this report.

This information has been reviewed by:

Sayi Malineni QA Coordinator

Shám L. Sachdev Ph. D., CHCM

Laboratory Director

ms

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net

Earth Consulting Group, Inc.

Madison, MS

Attention: Tim Carter



Project No.:

IH7-0160

Report Date: Date Rec'd: 07/13/07 06/14/07

P.O. No.:

S149,006

Entek Sample ID: 07-07384 Sample ID: 06-13-07-01

Sample Date: 06/13/07

	initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Voi	Conc.
Parameter	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m ³)
BSF*	-0.736	-0.691	3.0	1.5	0.090	1076	0.084

Entek Sample ID: 07-07385

Sample ID: 06-13-07-02 Sample Date: 06/13/07

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
<u>Parameter</u>	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m³)
BSF*	0.781	0.785	3,0	1.5	0.008	1076	0.007

Quality Control								
	Method	Quant. Limit	QA/QC					
	Number Number	(mg)	(obs/true)					
BSF*	OSHA 58	0.01	5.014/5.00					
	Run 1	Run 2	%RPD					
	(mg)	(mg)						
BSF*	10.022	10.019	0.030	-				

DTA Start 07/03/07 AJ DTA Finish 07/05/07 AJ

The sample results were all below the PEL of 0.20mg/m³ for the BSF. Subsequently, the analysis for individual PAH's was not required.

The initial weight and final weight may be a negative number in cases where the sample crucible weighs less than the reference crucible.

Page 3 of 3

^{*} BSF - Benzene Soluble Fraction.

CHAIN OF CUSTODY RECORD

	CHAIN	Jr 60316	DI KECOKD	•
COMPANY:	_			
Earth Consulting Group 110 Welsenhenser RA	2, Inc.	ENTEK PRO	DJECT NUMBER:	1HZECGO(LOL
110 Weisenhemer Rd				(circle one)
Madison, M5 39110		TURNAROU	JND TIME:	(Reg) / Rush
,		NEED BY D	ATE:	
ATTN: Tim Carter				
PHONE: 601) 951-8124		~Sampler	Must Complete~	
FAX: (601) 856-3978		Sampler's N	ame: Tim Carter	
P.O.# 5149.006		Number of S	Sample(s): 2	
			Sampled: 6-13-07	
SAMPLE LOCATION:		Number & T	ype of Containers: Q/	Casselles
Former Kerr Maser Site		Matrix: ai		
Hatistury Mis			Cooler Temperature:	(lie
- J1				
		SAMPLE NOTES		
SAMPLE IDENTIFICATION	PRSVD	ACCEPTABLE	ANALYSES RE	
06-13-07-01		TAINER, PACKING, ET	PSHA 38	美
06-13-07-02		COL/min	041120	
CD 13 07 - 00		od/min	CSHHOO	
				
	 -			
SPECIAL INSTRUCTIONS:				
				· · · · · · · · · · · · · · · · · · ·
**Acceptable headspace criteria for VOC s	samples Yes_	No		
CHAIN OF POSSESSION:			RE AT SAMPLE RECEIPT: (lla
RELINOUISHED BY		EIAÉD BA C	^	DATE/TIME
Jim Canter 6-13-07 5:02pm	<u> </u>	ekre / sel	Ola	00/11/07/093
5:02m	\square			

Entek Environmental Laboratories, Inc., 14285 Airline Highway, Baton Rouge, LA 70817 Phone: (225) 752-2900 Fax: (225) 756-2706

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net



INDUSTRIAL HYGIENE **BSF - OSHA 58 ANALYSES** SAMPLES RECEIVED: 06/15/07

FOR

EARTH CONSULTING GROUP, INC. 110 WEISENBERGER ROAD MADISON, MS 39110

ATTENTION: TIM CARTER

JULY 13, 2007 PROJECT NO.: IH7-0164

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net

Earth Consulting Group, Inc.

Madison, MS

Attention: Tim Carter



Project No.: Report Date:

1H7-0164 07/13/07

Date Received:

06/15/07

P.O. No.:

\$149.006

Sample Location: Former Kerr McGee Site, Hattiesburg, MS

Two industrial hygiene cassettes were received and analyzed for Benzene Soluble Fraction, Method OSHA 58, as requested.

Entek is pleased to have had the opportunity to provide analytical services for parameters as requested. Please do not hesitate to contact our office if you have any questions or require additional information concerning this report.

This information has been reviewed by:

Sayi Malineni

QA Coordinator

Sham L. Sachdev Ph. D., CHCM

Laboratory Director

ms

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net

Earth Consulting Group, Inc.

Madison, MS

Attention: Tim Carter



Project No.: _ Report Date:

1H7-0164 07/13/07

Date Rec'd:

06/15/07

P.O. No.:

S149.006

Entek Sample ID: 07-07495 Sample ID: 06-14-07-01

Sample Date: 06/14/07

•	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
Parameter	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m ³)
BSF*	-1.253	-1.156	3.0	1.5	0.194	1112	0.174

Entek Sample ID: 07-07496 Sample ID: 06-14-07-02

Sample Date: 06/14/07

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
Parameter	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m ³)
BSF*	0.058	0.141	3.0	1.5	0.166	1112	0.149

Quality Control

	Method Number	Quant. Limit (mg)	QA/QC (obs/true)	
BSF*	OSHA 58	0.01	5.014/5.00	
	Run 1 (mg)	Run 2 (mg)	%RPD	
BSF*	10.022	10.019	0.030	

DTA Start 07/03/07 AJ DTA Finish 07/05/07 AJ

The sample results were all below the PEL of 0.20mg/m³ for the BSF. Subsequently, the analysis for individual PAH's was not required.

The initial weight and final weight may be a negative number in cases where the sample crucible weighs less than the reference crucible.

^{*} BSF - Benzene Soluble Fraction.

CHAIN OF CUSTODY RECORD

	CHAIN OF CUSTODY RECORD	·
COMPANY:	T ENTER DOO JECT NUMBER.	1478040164
Surth Consulting Group. 110 Weisenberger Ad Madison Mississippi 39	L _{h.c.} ENTEK PROJECT NUMBER:	
110 Weisenberger Nd		(circle one)
Mad : son M 185 165 190: 39		(Reg. / Rush
	NEED BY DATE:	
ATTN: Tim Carten	Samular Must Camplete	
PHONE: (60) 951-8124	~Sampler Must Complete~	·
FAX: (601) 856-3978	Sampler's Name: 7 in Cart	tr
P.O.# 5149.006	Number of Sample(s): 2	
SAMPLE LOCATION	Date/Time Sampled: 6-14-0	
SAMPLE LOCATION:	Number & Type of Containers:	L (assettes
Former Kerr Megec Site Hattiesburg MS	Matrix: Que,	201
	Transporting Cooler Temperatur	е,
	SAMPLE NOTES	
SAMPLE IDENTIFICATION		REQUESTED STORAGE
	Y / N CONTAINER PACKING ETC.	#
06-14-07-01	201/nin 0544 58	
06-14-07-02	2.02/min OSNA 58	
SPECIAL INSTRUCTIONS:		
SPECIAL INSTRUCTIONS.		
*Acceptable headspace criteria for VOC s	amples Yes No	
		
CHAIN OF POSSESSION:	SAMPLE TEMPERATURE AT SAMPLE RECEIPT:	
RELINQUISHED BY	RECEIVED BY	DATE/TIME
lim Carter	Lackie Valler	010/15/07/1010
Jim Carter 6-14-07 5:26 pm		
	·	

Entek Environmental Laboratories, Inc., 14285 Airline Highway, Baton Rouge, LA 70817 Phone: (225) 752-2900 Fax: (225) 756-2706

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net



INDUSTRIAL HYGIENE BSF - OSHA 58 ANALYSES SAMPLES RECEIVED: 06/18/07

FOR

EARTH CONSULTING GROUP, INC. 110 WEISENBERGER ROAD MADISON, MS 39110

ATTENTION: TIM CARTER

JULY 13, 2007 PROJECT NO.: IH7-0168

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net

Earth Consulting Group, Inc.

Madison, MS

Attention: Tim Carter



Project No.: ___ Report Date:

07/13/07

Date Received:

06/18/07

P.O. No.:

S149.006

Sample Location: Former Kerr McGee Site, Hattiesburg, MS

Two industrial hygiene cassettes were received and analyzed for Benzene Soluble Fraction, Method OSHA 58, as requested.

Entek is pleased to have had the opportunity to provide analytical services for parameters as requested. Please do not hesitate to contact our office if you have any questions or require additional information concerning this report.

This information has been reviewed by:

Sayi Malineni QA Coordinator

Sham L. Sachdev Ph. D., CHCM

Láboratory Director

ms

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net

Earth Consulting Group, Inc.

Madison, MS

Attention: Tim Carter



Project No.:

1H7-0168 07/13/07

Report Date: Date Rec'd:

06/18/07

P.O. No.:

S149.006

Entek Sample ID: 07-07540 Sample ID: 06-15-07-01

Sample Date: 06/15/07

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)_	(mg/filter)	(L)	(mg/m ³)
BSF*	-0.965	-0.930	3.0	1.5	0.070	686	0.102

Entek Sample ID: 07-07541

Sample ID: 06-15-07-02

Sample Date: 06/15/07

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)_	(mg/filter)	(L)	(mg/m ³)
BSF*	0.611	0.667	3.0	1.5	0.112	686	0.163

Quality Control

	Method Number	Quant. Limit (mg)	QA/QC (obs/true)	
BSF*	OSHA 58	0.01	5.014/5.00	
	Run 1	Run 2	%RPD	
	(mg)	(mg)		
BSF*	10.022	10.019	0.030	

DTA Start 07/03/07 AJ DTA Finish 07/05/07 AJ

The sample results were all below the PEL of 0.20mg/m³ for the BSF. Subsequently, the analysis for individual PAH's was not required.

The initial weight and final weight may be a negative number in cases where the sample crucible weighs less than the reference crucible.

Page 3 of 3

^{*} BSF - Benzene Soluble Fraction.

INDUSTRIAL HYGIENE CHAIN OF CUSTODY RECORD

COMPANY: Earth Consulting Group	Inc.	ENTEK PRO	DJECT NUN	MBER: 1478 (40168	
Earth Consulting Group. 110 Weisenberger Road. Madison, MS 39110	TURNAROUND TIME: (REG)/ RUSH NEED BY DATE:				
ATTN: Tim Garter PHONE: (601) 951-8124 FAX: (601) \$56-3978 P.O.# \$149.006 SAMPLE LOCATION:		Sampler IV Sampler's N Number of S	ame: Tim	Carter	
		Number & T	ype of Cont	ainers: 2 Cassettes	
SAMPLE IDENTIFICATION	COLLECTION DATE	MEDIA	SAMPLE VOLUME	ANALYSIS REQUESTED	
06-15-07-01	b-15-07		2.06/min	054458	
06-15-07-02	6-15-07		2.04/min	05HA 58	
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CUAIN OF BOODESCAN					
CHAIN OF POSSESSION: RELINQUISHED BY:	, RECI	EIVED BY		DATE/TIME	
Tim Garter 6-15	-07 Ace	ku Vald	lh	50ell FOIRILEDO	
1:56pm		-	\bigcirc		

Entek Environmental Laboratories, Inc., 14285 Airline Highway, Baton Rouge, LA 70817

Phone: (225) 752-2900 Fax: (225) 756-2706

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net



INDUSTRIAL HYGIENE BSF - OSHA 58 ANALYSES SAMPLES RECEIVED: 06/19/07

FOR

EARTH CONSULTING GROUP, INC. 110 WEISENBERGER ROAD MADISON, MS 39110

ATTENTION: TIM CARTER

JULY 13, 2007 PROJECT NO.: IH7-0169

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net
Earth Consulting Group, Inc.

Madison, MS

Attention: Tim Carter



Project No.:

IH7-0169

Report Date: Date Received:

07/13/07 06/19/07

P.O. No.:

S149.006

Sample Location: Former Kerr McGee Site, Hattiesburg, MS

Two industrial hygiene cassettes were received and analyzed for Benzene Soluble Fraction, Method OSHA 58, as requested.

Entek is pleased to have had the opportunity to provide analytical services for parameters as requested. Please do not hesitate to contact our office if you have any questions or require additional information concerning this report.

This information has been reviewed by:

Sayi Malineni

QA Coordinator

Sham L. Sachdev Ph. D., CHCM

Laboratory Director

ms

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net

Earth Consulting Group, Inc.

Madison, MS

Attention: Tim Carter



Project No.: Report Date: 1H7-0169 07/13/07

Date Rec'd:

06/19/07

P.O. No.:

S149.006

Entek Sample ID: 07-07616

Sample ID: 06-18-07-01

Sample Date: 06/18/07

	Initial Wt.		Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m³)
	(mg)	(mg)	(IIILS)	(IIIL3)	(mg/inter)	 	(mg/m)
BSF*	-0.276	-0.239	3.0	1.5	0.074	680	0.109

Entek Sample ID: 07-07617

Sample ID: 06-18-07-02

Sample Date: 06/18/07

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m³)
BSF*	0.148	0.182	3.0	1.5	0.068	680	0.100

Quality Control

	Method Number	Quant. Limit (mg)	QA/QC (obs/true)	
BSF*	OSHA 58	0.01	5.014/5.00	•
	Run 1 (mg)	Run 2 (mg)	%RPD	
BSF*	10.022	10.019	0.030	

DTA Start 07/03/07 AJ DTA Finish 07/05/07 AJ

The sample results were all below the PEL of 0.20mg/m³ for the BSF. Subsequently, the analysis for individual PAH's was not required.

The initial weight and final weight may be a negative number in cases where the sample crucible weighs less than the reference crucible.

^{*} BSF - Benzene Soluble Fraction.

INDUSTRIAL HYGIENE CHAIN OF CUSTODY RECORD

COMPANY: Farth Consulting Group	The.	ENTEK PRO	DJECT NUI	MBER: <u>/H7&</u>	40/69	
110 Weisenberger And Madison, MS 39110			JND TIME:		one)	
ATTN: Tim Goter PHONE: (601) 961-8124 FAX: (601) 856-3978 P.O.# 5149,006		Sampler Must Complete Sampler's Name: Tim Gree				
SAMPLE LOCATION:		Number of S Number & T		2 tainers:ನ (ಡಿಕ್ಸ್ಟ್	Hes	
SAMPLE IDENTIFICATION	COLLECTION DATE	MEDIA	SAMPLE VOLUME	ANALY REQUE	SIS	
06-18-07-01	6-18-07		20/min	OSHA S		
06-18-07-02	B 16-01		2.01 min	OHA58		
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CHAIN OF POSSESSION:				· · · · · · · · · · · · · · · · · · ·	i	
RELINQUISHED BY:	()	IVED BY	<u> </u>	DATE/TIME		
Tim Carter 6-18-0	2) Kpl	ku Yaldu		ouligio7	1350	
2:26 m	(ma. 44205 Abull	Det-	P Pours I A 7	70047		

Entek Environmental Laboratories, Inc., 14285 Airline Highway, Baton Rouge, LA 70817

Phone: (225) 752-2900 Fax: (225) 756-2706

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 FAX (225) 756-2706

PHONE: (225) 752-2900

Email: enteklabs@att.net



INDUSTRIAL HYGIENE **BSF - OSHA 58 ANALYSES** SAMPLE RECEIVED: 06/22/07

FOR

EARTH CONSULTING GROUP, INC. 110 WEISENBERGER ROAD MADISON, MS 39110

ATTENTION: TIM CARTER

JULY 13, 2007 PROJECT NO.: IH7-0183

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net

Earth Consulting Group, Inc.

Madison, MS

Attention: Tim Carter



Project No.:

IH7-0183

Report Date: Date Received:

07/13/07 06/22/07

P.O. No.:

S149.006

Sample Location: Former Kerr McGee Site, Hattiesburg, MS

One industrial hygiene cassette was received and analyzed for Benzene Soluble Fraction, Method OSHA 58, as requested.

Entek is pleased to have had the opportunity to provide analytical services for parameters as requested. Please do not hesitate to contact our office if you have any questions or require additional information concerning this report.

This information has been reviewed by:

Sayi Malineni

QA Coordinator

Sham L. Sachdev Ph. D., CHCM

Laboratory Director

'ns

ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
PHONE: (225) 752-2900 FAX (225) 756-2706
Email: enteklabs@att.net

Earth Consulting Group, Inc.

Madison, MS

Attention: Tim Carter



Project No.: Report Date:

IH7-0183

Date Rec'd:

07/13/07 06/22/07

P.O. No.:

S149.006

Entek Sample ID: 07-07849 Sample ID: 06-21-07-01

Sample Date: 06/21/07

	Initial Wt. Final W		Desorption	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m³)
BSF*	3.952	3.979	3.0	1.5	0.054	672	0.080

Quality Control

	Method Number	Quant. Limit (mg)	QA/QC (obs/true)	
BSF*	OSHA 58	0.01	5.014/5.00	
	Run 1	Run 2	%RPD	
	(mg)	(mg)		
BSF*	10.022	10.019	0.030	

DTA Start 07/03/07 AJ DTA Finish 07/05/07 AJ

The sample results were all below the PEL of 0.20mg/m³ for the BSF. Subsequently, the analysis for individual PAH's was not required.

^{*} BSF - Benzene Soluble Fraction.

INDUSTRIAL HYGIENE CHAIN OF CUSTODY RECORD

COMPANY: Farth Consulting Group	o Inc.	ENTEK PRO	DJECT NUN	MBER:IH7E	<u> 260183</u>	
110 Weisenberger Road 39110 Malison, M.S. 39116		TURNAROUND TIME: (circle one) NEED BY DATE:				
ATTN: Tim Carter PHONE: (601) 951-8124 FAX: (601) 256-3978		Sampler N	Must Comp	olete Cartec		
P.O.# 5149.006	-			Contact		
SAMPLE LOCATION:		Number of S	Sample(s):	/		
		Number & T	vpe of Cont	ainers: <i>1 (₆₅₅₆</i>		
	COLLEGION		SAMPLE	ANALY		
SAMPLE IDENTIFICATION	DATE	MEDIA	VOLUME	REQUE		
06-21-07-01	6-21-07		20 Unio	OSHA 58		
						
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CHAIN OF POSSESSION: RELINQUISHED BY:	I IREO	EIVED BY:	J	DATEMINE		
Tim Carter 6-21-		***************************************	plder	FULSSION	1500	
/		0-0100-		(10)	1000	
Entek Environmental Laboratories, I	nc 14285 Airli	ne Highway, Bate	on Rouge LA 7	0817		

Phone: (225) 752-2900 Fax: (225) 756-2706

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net



INDUSTRIAL HYGIENE BSF - OSHA 58 ANALYSES SAMPLES RECEIVED: 06/26/07

FOR

EARTH CONSULTING GROUP, INC. 110 WEISENBERGER ROAD MADISON, MS 39110

ATTENTION: TIM CARTER

JULY 13, 2007 PROJECT NO.: IH7-0186

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706 Email: enteklabs@att.net

Earth Consulting Group, Inc.

Madison, MS

Attention: Tim Carter



Project No.: Report Date:

1H7-0186 07/13/07

Date Received:

06/26/07

P.O. No.:

S149.006

Sample Location: Former Kerr McGee Site, Hattiesburg, MS

Two industrial hygiene cassettes were received and analyzed for Benzene Soluble Fraction, Method OSHA 58, as requested.

Entek is pleased to have had the opportunity to provide analytical services for parameters as requested. Please do not hesitate to contact our office if you have any questions or require additional information concerning this report.

This information has been reviewed by:

Sayi Malineni QA Coordinator

Sham L. Sachdev Ph. D., CHCM

Laboratory Director

ms

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817 PHONE: (225) 752-2900 FAX (225) 756-2706

Email: enteklabs@att.net

Earth Consulting Group, Inc.

Madison, MS

Attention: Tim Carter



Project No.:

IH7-0186

Report Date:

07/13/07

Date Rec'd:

06/26/07

P.O. No.:

S149.006

Entek Sample ID: 07-07959 Sample ID: 06-25-07-01

Sample Date: 06/25/07

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m³)
BSF*	0.293	0.315	3.0	1.5	0.044	930	0.047

Entek Sample ID: 07-07960 Sample ID: 06-25-07-02

Sample Date: 06/25/07

	Initial Wt.	Final Wt.	Desorption	Analysis Vol	Total	Air Vol	Conc.
	(mg)	(mg)	(mLs)	(mLs)	(mg/filter)	(L)	(mg/m ³)
BSF*	-0.531	-0.530	3.0	1.5	<0.010	930	<0.011

Quality Control

	Method Number	Quant. Limit (mg)	QA/QC (obs/true)	
BSF*	OSHA 58	0.01	5.014/5.00	
	Run 1 (mg)	Run 2 (mg)	%RPD	
BSF*	10.022	10.019	0.030	

DTA Start 07/03/07 AJ DTA Finish 07/05/07 AJ

The sample results were all below the PEL of 0.20mg/m3 for the BSF. Subsequently, the analysis for individual PAH's was not required.

The initial weight and final weight may be a negative number in cases where the sample crucible weighs less than the reference crucible.

Page 3 of 3

^{*} BSF - Benzene Soluble Fraction.

ENVIRONMENTAL LABORATORIES, INC. 14285 AIRLINE HIGHWAY BATON ROUGE, LOUISIANA 70817

Please Remit to: P.O. Box 83412 Baton Rouge, LA 70884-3412

FAX: (225) 756-2706 Email: enteklabs@att.net

COPY

Invoice Date:

07/16/07

Invoice No:

IH7-0186

Sample Rec'd: 06/13-06/26

ACCOUNTS PAYABLE

EARTH CONSULTING GROUP

POST OFFICE BOX 1246

MADISON, MS 39130

P.O. No.:

S149.006

Notice: Report Mailed To:

TIM CARTER

Location: Former Kerr McGee Site, Hattiesburg, MS

OFFICE USE ONLY: IH: 780,00

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
	Samples Received: 06/13 - Entek IH7-0159	TRICE	AMOUNT
2	BENZENE SOLUBLE FRACTION - OSHA 58	60.00	\$120.00
	Samples Received: 06/14 - Entek IH7-0160		
2	BENZENE SOLUBLE FRACTION - OSHA 58	60.00	\$120.00
	Samples Received: 06/15 - Entek IH7-0164		
2	BENZENE SOLUBLE FRACTION - OSHA 58	60.00	\$120.00
	Samples Received: 06/18 - Entek IH7-0168		
2	BENZENE SOLUBLE FRACTION - OSHA 58	60.00	\$120.00
	Samples Received: 06/19 - Entek IH7-0169		
2	BENZENE SOLUBLE FRACTION - OSHA 58	60.00	\$120.00
	Samples Received: 06/22 - Entek IH7-0183		
1	BENZENE SOLUBLE FRACTION - OSHA 58	60.00	\$60.00
	Samples Received: 06/26 - Entek IH7-0186		
2	BENZENE SOLUBLE FRACTION - OSHA 58	60.00	\$120.00
	A STATE OF THE STA		
	SDB-TOTAL		780.00
	PER TOUR RECORDS		
TERMS: NET	30 DAYS TOTAL AMOUN	T DUE	\$780.00

INDUSTRIAL HYGIENE CHAIN OF CUSTODY RECORD

Farth Consulting Group The		ENTEK PROJECT NUMBER: TH7ECGOIBLe			
110 Weisenberger Road Madison, Ms 39110	TURNAROUND TIME: (REG. / RUSH NEED BY DATE:				
ATTN: Tim Carter PHONE: (601) 951-8124 FAX: (601) 956-3978	Sampler IV			·	
P.O.# 5149,006					
		Number of S	iample(s): 6	2 Casselfes	
SAMPLE LOCATION:					
		Number & Ty			15151515
SAMPLE IDENTIFICATION	COLLECTION DATE	MEDIA	SAMPLE VOLUME	ANALYSIS REQUESTED	
06-25-07-01	6-25-07	201min	0711-1456	ESHA578	
06-25-07-02	6-25-07	2.d/min	0711-1456	C54.45B	
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CHAIN OF POSSESSION:					:::::
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6-25-07 3:34	pr 14005 Aid	na Highway Bate		0047	╝

Entek Environmental Laboratories, Inc., 14285 Airline Highway, Baton Rouge, LA 70817

Phone: (225) 752-2900 Fax: (225) 756-2706



EARTH CONSULTING GROUP, INC. AIR SAMPLING FIELD DATA SHEET

Client:	Mississippi Department of Transportation	Row No.:	BWO-2001-54(008) / 501635 101000
County:	Panola County	Location:	District Office Building
EarthCon Project No.:	M133.285	Area:	Mechanical room
Contractor:	Panola Construction Compnay	Removal Type:	Demo
Collected By:	R. Sampson	Date:	6/7/2007

Field Sample Identification

Sample No.	Sample Location	Sample Type
60701	Inside Work Area East	Area
60702	Outside Work Area West Hallway	Area
-		

SAMPLING AND ANALYTICAL DATA

Sample No.:	01	02		
Begin Time	8:00 AM	8:00 AM		
End Time	1:30 PM	1:30 PM		
Down Time (min)				
Total Time (min)	330	330		
Flow Rate (L/min)	2.0	2.0		
Total Volume (I)	660	660		
Fibers Counted	6.5	9		
Fields Counted	100	100	ļ	
Fiber Conc. (fibers/cm3)	<.007	<.007		
Detection Limit (fibers/cm3)	0.007	0.007		
Time Weighted Average				
8 Hour TWA				
QC Fibers Counted				

Analyses Conducted in Accordance with NIOSH Method 7400

Earth Consulting Group Proficiency Analytical Testing (PAT) Lab ID #102970

1 2 4	
Analyst	