HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Friday, April 15, 2011

Pamela Moss
Shaw Environmental, Inc.
7604 Technology Way, Suite 300
Denver, CO 80237

TEL: (720) 554-8252
FAX

RE: KAFB BFF

Order No.: 1103A84

Dear Pamela Moss:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 3/29/2011 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Apr-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106084IDW2
Lab Order:	1103A84	**Collection Date:**	3/29/2011 2:41:00 PM
Project:	KAFB BFF	**Date Received:**	3/29/2011
Lab ID:	1103A84-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8081: PESTICIDES TCLP						Analyst: **JDC**
Chlordane	ND	0.030		mg/L	1	4/12/2011 3:33:29 PM
Endrin	ND	0.020		mg/L	1	4/12/2011 3:33:29 PM
gamma-BHC (Lindane)	ND	0.40		mg/L	1	4/12/2011 3:33:29 PM
Heptachlor	ND	0.0080		mg/L	1	4/12/2011 3:33:29 PM
Heptachlor epoxide	ND	0.0080		mg/L	1	4/12/2011 3:33:29 PM
Methoxychlor	ND	10		mg/L	1	4/12/2011 3:33:29 PM
Toxaphene	ND	0.50		mg/L	1	4/12/2011 3:33:29 PM
Surr: Decachlorobiphenyl	103	39-142		%REC	1	4/12/2011 3:33:29 PM
Surr: Tetrachloro-m-xylene	114	38.7-136		%REC	1	4/12/2011 3:33:29 PM
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **JB**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/3/2011 5:30:38 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/3/2011 5:30:38 PM
Surr: DNOP	108	81.8-129		%REC	1	4/3/2011 5:30:38 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/4/2011 3:22:38 PM
Surr: BFB	104	89.7-125		%REC	1	4/4/2011 3:22:38 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	4/4/2011 3:22:38 PM
Benzene	ND	0.050		mg/Kg	1	4/4/2011 3:22:38 PM
Toluene	ND	0.050		mg/Kg	1	4/4/2011 3:22:38 PM
Ethylbenzene	ND	0.050		mg/Kg	1	4/4/2011 3:22:38 PM
Xylenes, Total	ND	0.10		mg/Kg	1	4/4/2011 3:22:38 PM
Surr: 4-Bromofluorobenzene	121	85.3-139		%REC	1	4/4/2011 3:22:38 PM
MERCURY, TCLP						Analyst: **TES**
Mercury	ND	0.020		mg/L	1	4/12/2011 4:45:23 PM
EPA METHOD 6010B: TCLP METALS						Analyst: **RAGS**
Arsenic	ND	5.0		mg/L	1	4/11/2011 1:05:30 PM
Barium	ND	100		mg/L	5	4/11/2011 1:09:35 PM
Cadmium	ND	1.0		mg/L	1	4/11/2011 1:05:30 PM
Chromium	ND	5.0		mg/L	1	4/11/2011 1:05:30 PM
Lead	ND	5.0		mg/L	1	4/11/2011 1:05:30 PM
Selenium	ND	1.0		mg/L	1	4/11/2011 1:05:30 PM
Silver	ND	5.0		mg/L	1	4/11/2011 1:05:30 PM
EPA METHOD 8270C TCLP						Analyst: **JDC**
2,4-Dinitrotoluene	ND	0.13		mg/L	1	4/8/2011 3:39:10 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Apr-11*

CLIENT: Shaw Environmental, Inc.
Lab Order: 1103A84
Project: KAFB BFF
Lab ID: 1103A84-01

Client Sample ID: 106084IDW2
Collection Date: 3/29/2011 2:41:00 PM
Date Received: 3/29/2011
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C TCLP						Analyst: **JDC**
Hexachlorobenzene	ND	0.13		mg/L	1	4/8/2011 3:39:10 PM
Hexachlorobutadiene	ND	0.50		mg/L	1	4/8/2011 3:39:10 PM
Hexachloroethane	ND	3.0		mg/L	1	4/8/2011 3:39:10 PM
Nitrobenzene	ND	2.0		mg/L	1	4/8/2011 3:39:10 PM
Pentachlorophenol	ND	100		mg/L	1	4/8/2011 3:39:10 PM
Pyridine	ND	5.0		mg/L	1	4/8/2011 3:39:10 PM
2,4,5-Trichlorophenol	ND	400		mg/L	1	4/8/2011 3:39:10 PM
2,4,6-Trichlorophenol	ND	2.0		mg/L	1	4/8/2011 3:39:10 PM
Cresols, Total	ND	200		mg/L	1	4/8/2011 3:39:10 PM
Surr: 2,4,6-Tribromophenol	65.7	19-95.3		%REC	1	4/8/2011 3:39:10 PM
Surr: 2-Fluorobiphenyl	58.2	41.4-108		%REC	1	4/8/2011 3:39:10 PM
Surr: 2-Fluorophenol	40.8	23-93.5		%REC	1	4/8/2011 3:39:10 PM
Surr: 4-Terphenyl-d14	55.5	42-141		%REC	1	4/8/2011 3:39:10 PM
Surr: Nitrobenzene-d5	67.1	46.9-108		%REC	1	4/8/2011 3:39:10 PM
Surr: Phenol-d5	28.4	26.4-66.4		%REC	1	4/8/2011 3:39:10 PM
VOLATILES BY 8260B/1311						Analyst: **MMS**
Benzene	ND	0.50		mg/L	1	4/2/2011 3:22:33 AM
2-Butanone	ND	10		mg/L	1	4/2/2011 3:22:33 AM
Carbon Tetrachloride	ND	0.50		mg/L	1	4/2/2011 3:22:33 AM
Chlorobenzene	ND	100		mg/L	1	4/2/2011 3:22:33 AM
Chloroform	ND	6.0		mg/L	1	4/2/2011 3:22:33 AM
1,4-Dichlorobenzene	ND	7.5		mg/L	1	4/2/2011 3:22:33 AM
1,2-Dichloroethane (EDC)	ND	0.50		mg/L	1	4/2/2011 3:22:33 AM
1,1-Dichloroethene	ND	0.70		mg/L	1	4/2/2011 3:22:33 AM
Hexachlorobutadiene	ND	0.50		mg/L	1	4/2/2011 3:22:33 AM
Tetrachloroethene (PCE)	ND	0.70		mg/L	1	4/2/2011 3:22:33 AM
Trichloroethene (TCE)	ND	0.50		mg/L	1	4/2/2011 3:22:33 AM
Vinyl chloride	ND	0.20		mg/L	1	4/2/2011 3:22:33 AM
Surr: 1,2-Dichloroethane-d4	94.9	69.9-130		%REC	1	4/2/2011 3:22:33 AM
Surr: 4-Bromofluorobenzene	104	71.2-123		%REC	1	4/2/2011 3:22:33 AM
Surr: Dibromofluoromethane	98.4	73.9-134		%REC	1	4/2/2011 3:22:33 AM
Surr: Toluene-d8	102	81.9-122		%REC	1	4/2/2011 3:22:33 AM
EPA METHOD 8151: HERBICIDES TCLP						Analyst: **ANTE**
2,4,5-TP (Silvex)	ND	0.10		mg/L	1	4/6/2011
2,4-D	ND	0.10		mg/L	1	4/6/2011
CORROSIVITY						Analyst: **ANTE**
pH	8.0	0.10		pH Units	1	4/1/2011

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Apr-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106084IDW2
Lab Order:	1103A84	**Collection Date:**	3/29/2011 2:41:00 PM
Project:	KAFB BFF	**Date Received:**	3/29/2011
Lab ID:	1103A84-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
IGNITABILITY METHOD 1010						Analyst: **ANTE**
Ignitability	Negative			°F	1	3/31/2011
CYANIDE, REACTIVE						Analyst: **ANTE**
Reactive Cyanide	ND	10		mg/Kg	1	4/6/2011
SULFIDE, REACTIVE						Analyst: **ANTE**
Reactive Sulfide	ND	15		mg/Kg	1	4/5/2011

Qualifiers:

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- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Apr-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106084IDW3
Lab Order:	1103A84	**Collection Date:**	3/29/2011 2:48:00 PM
Project:	KAFB BFF	**Date Received:**	3/29/2011
Lab ID:	1103A84-02	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8081: PESTICIDES TCLP						Analyst: **JDC**
Chlordane	ND	0.030		mg/L	1	4/12/2011 3:50:44 PM
Endrin	ND	0.020		mg/L	1	4/12/2011 3:50:44 PM
gamma-BHC (Lindane)	ND	0.40		mg/L	1	4/12/2011 3:50:44 PM
Heptachlor	ND	0.0080		mg/L	1	4/12/2011 3:50:44 PM
Heptachlor epoxide	ND	0.0080		mg/L	1	4/12/2011 3:50:44 PM
Methoxychlor	ND	10		mg/L	1	4/12/2011 3:50:44 PM
Toxaphene	ND	0.50		mg/L	1	4/12/2011 3:50:44 PM
Surr: Decachlorobiphenyl	99.6	39-142		%REC	1	4/12/2011 3:50:44 PM
Surr: Tetrachloro-m-xylene	103	38.7-136		%REC	1	4/12/2011 3:50:44 PM
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **JB**
Diesel Range Organics (DRO)	17	10		mg/Kg	1	4/3/2011 7:13:04 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/3/2011 7:13:04 PM
Surr: DNOP	105	81.8-129		%REC	1	4/3/2011 7:13:04 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/4/2011 3:52:39 PM
Surr: BFB	104	89.7-125		%REC	1	4/4/2011 3:52:39 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	4/4/2011 3:52:39 PM
Benzene	ND	0.050		mg/Kg	1	4/4/2011 3:52:39 PM
Toluene	ND	0.050		mg/Kg	1	4/4/2011 3:52:39 PM
Ethylbenzene	ND	0.050		mg/Kg	1	4/4/2011 3:52:39 PM
Xylenes, Total	ND	0.10		mg/Kg	1	4/4/2011 3:52:39 PM
Surr: 4-Bromofluorobenzene	119	85.3-139		%REC	1	4/4/2011 3:52:39 PM
MERCURY, TCLP						Analyst: **TES**
Mercury	ND	0.020		mg/L	1	4/12/2011 4:47:09 PM
EPA METHOD 6010B: TCLP METALS						Analyst: **RAGS**
Arsenic	ND	5.0		mg/L	1	4/11/2011 1:12:02 PM
Barium	ND	100		mg/L	5	4/11/2011 1:14:25 PM
Cadmium	ND	1.0		mg/L	1	4/11/2011 1:12:02 PM
Chromium	ND	5.0		mg/L	1	4/11/2011 1:12:02 PM
Lead	ND	5.0		mg/L	1	4/11/2011 1:12:02 PM
Selenium	ND	1.0		mg/L	1	4/11/2011 1:12:02 PM
Silver	ND	5.0		mg/L	1	4/11/2011 1:12:02 PM
EPA METHOD 8270C TCLP						Analyst: **JDC**
2,4-Dinitrotoluene	ND	0.13		mg/L	1	4/8/2011 5:08:12 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Apr-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106084IDW3
Lab Order:	1103A84	**Collection Date:**	3/29/2011 2:48:00 PM
Project:	KAFB BFF	**Date Received:**	3/29/2011
Lab ID:	1103A84-02	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C TCLP						Analyst: **JDC**
Hexachlorobenzene	ND	0.13		mg/L	1	4/8/2011 5:08:12 PM
Hexachlorobutadiene	ND	0.50		mg/L	1	4/8/2011 5:08:12 PM
Hexachloroethane	ND	3.0		mg/L	1	4/8/2011 5:08:12 PM
Nitrobenzene	ND	2.0		mg/L	1	4/8/2011 5:08:12 PM
Pentachlorophenol	ND	100		mg/L	1	4/8/2011 5:08:12 PM
Pyridine	ND	5.0		mg/L	1	4/8/2011 5:08:12 PM
2,4,5-Trichlorophenol	ND	400		mg/L	1	4/8/2011 5:08:12 PM
2,4,6-Trichlorophenol	ND	2.0		mg/L	1	4/8/2011 5:08:12 PM
Cresols, Total	ND	200		mg/L	1	4/8/2011 5:08:12 PM
Surr: 2,4,6-Tribromophenol	74.9	19-95.3		%REC	1	4/8/2011 5:08:12 PM
Surr: 2-Fluorobiphenyl	65.0	41.4-108		%REC	1	4/8/2011 5:08:12 PM
Surr: 2-Fluorophenol	61.3	23-93.5		%REC	1	4/8/2011 5:08:12 PM
Surr: 4-Terphenyl-d14	68.7	42-141		%REC	1	4/8/2011 5:08:12 PM
Surr: Nitrobenzene-d5	73.3	46.9-108		%REC	1	4/8/2011 5:08:12 PM
Surr: Phenol-d5	47.5	26.4-66.4		%REC	1	4/8/2011 5:08:12 PM
VOLATILES BY 8260B/1311						Analyst: **MMS**
Benzene	ND	0.50		mg/L	1	4/13/2011 6:52:32 AM
2-Butanone	ND	10		mg/L	1	4/13/2011 6:52:32 AM
Carbon Tetrachloride	ND	0.50		mg/L	1	4/13/2011 6:52:32 AM
Chlorobenzene	ND	100		mg/L	1	4/13/2011 6:52:32 AM
Chloroform	ND	6.0		mg/L	1	4/13/2011 6:52:32 AM
1,4-Dichlorobenzene	ND	7.5		mg/L	1	4/13/2011 6:52:32 AM
1,2-Dichloroethane (EDC)	ND	0.50		mg/L	1	4/13/2011 6:52:32 AM
1,1-Dichloroethene	ND	0.70		mg/L	1	4/13/2011 6:52:32 AM
Hexachlorobutadiene	ND	0.50		mg/L	1	4/13/2011 6:52:32 AM
Tetrachloroethene (PCE)	ND	0.70		mg/L	1	4/13/2011 6:52:32 AM
Trichloroethene (TCE)	ND	0.50		mg/L	1	4/13/2011 6:52:32 AM
Vinyl chloride	ND	0.20		mg/L	1	4/13/2011 6:52:32 AM
Surr: 1,2-Dichloroethane-d4	94.8	69.9-130		%REC	1	4/13/2011 6:52:32 AM
Surr: 4-Bromofluorobenzene	106	71.2-123		%REC	1	4/13/2011 6:52:32 AM
Surr: Dibromofluoromethane	101	73.9-134		%REC	1	4/13/2011 6:52:32 AM
Surr: Toluene-d8	102	81.9-122		%REC	1	4/13/2011 6:52:32 AM
EPA METHOD 8151: HERBICIDES TCLP						Analyst: **ANTE**
2,4,5-TP (Silvex)	ND	0.10		mg/L	1	4/6/2011
2,4-D	ND	0.10		mg/L	1	4/6/2011
CORROSIVITY						Analyst: **ANTE**
pH	7.7	0.10		pH Units	1	4/1/2011

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Apr-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106084IDW3
Lab Order:	1103A84	**Collection Date:**	3/29/2011 2:48:00 PM
Project:	KAFB BFF	**Date Received:**	3/29/2011
Lab ID:	1103A84-02	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
IGNITABILITY METHOD 1010						Analyst: **ANTE**
Ignitability	Negative			°F	1	3/31/2011
CYANIDE, REACTIVE						Analyst: **ANTE**
Reactive Cyanide	ND	10		mg/Kg	1	4/6/2011
SULFIDE, REACTIVE						Analyst: **ANTE**
Reactive Sulfide	ND	15		mg/Kg	1	4/5/2011

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Apr-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106084IDW4
Lab Order:	1103A84	**Collection Date:**	3/29/2011 2:55:00 PM
Project:	KAFB BFF	**Date Received:**	3/29/2011
Lab ID:	1103A84-03	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8081: PESTICIDES TCLP						Analyst: **JDC**
Chlordane	ND	0.030		mg/L	1	4/12/2011 4:42:29 PM
Endrin	ND	0.020		mg/L	1	4/12/2011 4:42:29 PM
gamma-BHC (Lindane)	ND	0.40		mg/L	1	4/12/2011 4:42:29 PM
Heptachlor	ND	0.0080		mg/L	1	4/12/2011 4:42:29 PM
Heptachlor epoxide	ND	0.0080		mg/L	1	4/12/2011 4:42:29 PM
Methoxychlor	ND	10		mg/L	1	4/12/2011 4:42:29 PM
Toxaphene	ND	0.50		mg/L	1	4/12/2011 4:42:29 PM
Surr: Decachlorobiphenyl	92.8	39-142		%REC	1	4/12/2011 4:42:29 PM
Surr: Tetrachloro-m-xylene	102	38.7-136		%REC	1	4/12/2011 4:42:29 PM
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **JB**
Diesel Range Organics (DRO)	16	10		mg/Kg	1	4/3/2011 7:47:25 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/3/2011 7:47:25 PM
Surr: DNOP	100	81.8-129		%REC	1	4/3/2011 7:47:25 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/4/2011 4:22:43 PM
Surr: BFB	105	89.7-125		%REC	1	4/4/2011 4:22:43 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	4/4/2011 4:22:43 PM
Benzene	ND	0.050		mg/Kg	1	4/4/2011 4:22:43 PM
Toluene	ND	0.050		mg/Kg	1	4/4/2011 4:22:43 PM
Ethylbenzene	ND	0.050		mg/Kg	1	4/4/2011 4:22:43 PM
Xylenes, Total	ND	0.10		mg/Kg	1	4/4/2011 4:22:43 PM
Surr: 4-Bromofluorobenzene	122	85.3-139		%REC	1	4/4/2011 4:22:43 PM
MERCURY, TCLP						Analyst: **TES**
Mercury	ND	0.020		mg/L	1	4/12/2011 4:48:54 PM
EPA METHOD 6010B: TCLP METALS						Analyst: **RAGS**
Arsenic	ND	5.0		mg/L	1	4/11/2011 1:16:55 PM
Barium	ND	100		mg/L	1	4/11/2011 1:16:55 PM
Cadmium	ND	1.0		mg/L	1	4/11/2011 1:16:55 PM
Chromium	ND	5.0		mg/L	1	4/11/2011 1:16:55 PM
Lead	ND	5.0		mg/L	1	4/11/2011 1:16:55 PM
Selenium	ND	1.0		mg/L	1	4/11/2011 1:16:55 PM
Silver	ND	5.0		mg/L	1	4/11/2011 1:16:55 PM
EPA METHOD 8270C TCLP						Analyst: **JDC**
2,4-Dinitrotoluene	ND	0.13		mg/L	1	4/8/2011 5:37:46 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Apr-11*

CLIENT: Shaw Environmental, Inc.
Lab Order: 1103A84
Project: KAFB BFF
Lab ID: 1103A84-03

Client Sample ID: 106084IDW4
Collection Date: 3/29/2011 2:55:00 PM
Date Received: 3/29/2011
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C TCLP						Analyst: **JDC**
Hexachlorobenzene	ND	0.13		mg/L	1	4/8/2011 5:37:46 PM
Hexachlorobutadiene	ND	0.50		mg/L	1	4/8/2011 5:37:46 PM
Hexachloroethane	ND	3.0		mg/L	1	4/8/2011 5:37:46 PM
Nitrobenzene	ND	2.0		mg/L	1	4/8/2011 5:37:46 PM
Pentachlorophenol	ND	100		mg/L	1	4/8/2011 5:37:46 PM
Pyridine	ND	5.0		mg/L	1	4/8/2011 5:37:46 PM
2,4,5-Trichlorophenol	ND	400		mg/L	1	4/8/2011 5:37:46 PM
2,4,6-Trichlorophenol	ND	2.0		mg/L	1	4/8/2011 5:37:46 PM
Cresols, Total	ND	200		mg/L	1	4/8/2011 5:37:46 PM
Surr: 2,4,6-Tribromophenol	87.4	19-95.3		%REC	1	4/8/2011 5:37:46 PM
Surr: 2-Fluorobiphenyl	72.2	41.4-108		%REC	1	4/8/2011 5:37:46 PM
Surr: 2-Fluorophenol	70.6	23-93.5		%REC	1	4/8/2011 5:37:46 PM
Surr: 4-Terphenyl-d14	68.3	42-141		%REC	1	4/8/2011 5:37:46 PM
Surr: Nitrobenzene-d5	80.6	46.9-108		%REC	1	4/8/2011 5:37:46 PM
Surr: Phenol-d5	57.6	26.4-66.4		%REC	1	4/8/2011 5:37:46 PM
VOLATILES BY 8260B/1311						Analyst: **MMS**
Benzene	ND	0.50		mg/L	1	4/13/2011 8:17:02 AM
2-Butanone	ND	10		mg/L	1	4/13/2011 8:17:02 AM
Carbon Tetrachloride	ND	0.50		mg/L	1	4/13/2011 8:17:02 AM
Chlorobenzene	ND	100		mg/L	1	4/13/2011 8:17:02 AM
Chloroform	ND	6.0		mg/L	1	4/13/2011 8:17:02 AM
1,4-Dichlorobenzene	ND	7.5		mg/L	1	4/13/2011 8:17:02 AM
1,2-Dichloroethane (EDC)	ND	0.50		mg/L	1	4/13/2011 8:17:02 AM
1,1-Dichloroethene	ND	0.70		mg/L	1	4/13/2011 8:17:02 AM
Hexachlorobutadiene	ND	0.50		mg/L	1	4/13/2011 8:17:02 AM
Tetrachloroethene (PCE)	ND	0.70		mg/L	1	4/13/2011 8:17:02 AM
Trichloroethene (TCE)	ND	0.50		mg/L	1	4/13/2011 8:17:02 AM
Vinyl chloride	ND	0.20		mg/L	1	4/13/2011 8:17:02 AM
Surr: 1,2-Dichloroethane-d4	94.5	69.9-130		%REC	1	4/13/2011 8:17:02 AM
Surr: 4-Bromofluorobenzene	103	71.2-123		%REC	1	4/13/2011 8:17:02 AM
Surr: Dibromofluoromethane	96.1	73.9-134		%REC	1	4/13/2011 8:17:02 AM
Surr: Toluene-d8	105	81.9-122		%REC	1	4/13/2011 8:17:02 AM
EPA METHOD 8151: HERBICIDES TCLP						Analyst: **ANTE**
2,4,5-TP (Silvex)	ND	0.10		mg/L	1	4/6/2011
2,4-D	ND	0.10		mg/L	1	4/6/2011
CORROSIVITY						Analyst: **ANTE**
pH	7.8	0.10		pH Units	1	4/1/2011

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Apr-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106084IDW4
Lab Order:	1103A84	**Collection Date:**	3/29/2011 2:55:00 PM
Project:	KAFB BFF	**Date Received:**	3/29/2011
Lab ID:	1103A84-03	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
IGNITABILITY METHOD 1010						Analyst: **ANTE**
Ignitability	Negative			°F	1	3/31/2011
CYANIDE, REACTIVE						Analyst: **ANTE**
Reactive Cyanide	ND	10		mg/Kg	1	4/6/2011
SULFIDE, REACTIVE						Analyst: **ANTE**
Reactive Sulfide	ND	15		mg/Kg	1	4/5/2011

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Shaw Environmental, Inc.
Project: KAFB BFF **Work Order:** 1103A84

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range Organics											
Sample ID: 1103A84-01AMSD		*MSD*				Batch ID:	**26204**	Analysis Date:		4/3/2011 6:38:53 PM	
Diesel Range Organics (DRO)	55.45	mg/Kg	10	50	0	111	57.5	128	0.464	19.7	
Sample ID: MB-26204		*MBLK*				Batch ID:	**26204**	Analysis Date:		4/2/2011 12:03:15 PM	
Diesel Range Organics (DRO)	ND	mg/Kg	10								
Motor Oil Range Organics (MRO)	ND	mg/Kg	50								
Sample ID: LCS-26204		*LCS*				Batch ID:	**26204**	Analysis Date:		4/2/2011 12:37:23 PM	
Diesel Range Organics (DRO)	49.03	mg/Kg	10	50	0	98.1	66.2	120			
Sample ID: LCSD-26204		*LCSD*				Batch ID:	**26204**	Analysis Date:		4/2/2011 1:11:35 PM	
Diesel Range Organics (DRO)	51.68	mg/Kg	10	50	0	103	66.2	120	5.28	14.3	
Sample ID: 1103A84-01AMS		*MS*				Batch ID:	**26204**	Analysis Date:		4/3/2011 6:04:46 PM	
Diesel Range Organics (DRO)	55.71	mg/Kg	10	50	0	111	57.5	128			
Method: EPA Method 8015B: Gasoline Range											
Sample ID: MB-26193		*MBLK*				Batch ID:	**26193**	Analysis Date:		4/4/2011 8:23:27 PM	
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0								
Sample ID: LCS-26193		*LCS*				Batch ID:	**26193**	Analysis Date:		4/4/2011 6:23:16 PM	
Gasoline Range Organics (GRO)	22.54	mg/Kg	5.0	25	0	90.2	88.8	124			
Method: EPA Method 8021B: Volatiles											
Sample ID: 1103A84-01AMSD		*MSD*				Batch ID:	**26193**	Analysis Date:		4/4/2011 7:23:26 PM	
Methyl tert-butyl ether (MTBE)	1.066	mg/Kg	0.10	1	0	107	61.3	215	0.766	19.6	
Benzene	1.052	mg/Kg	0.050	1	0.018	103	67.2	113	0.267	14.3	
Toluene	0.9485	mg/Kg	0.050	1	0	94.9	62.1	116	0.557	15.9	
Ethylbenzene	0.9899	mg/Kg	0.050	1	0.0062	98.4	67.9	127	0.373	14.4	
Xylenes, Total	3.062	mg/Kg	0.10	3	0	102	60.6	134	1.49	12.6	
Sample ID: MB-26193		*MBLK*				Batch ID:	**26193**	Analysis Date:		4/4/2011 8:23:27 PM	
Methyl tert-butyl ether (MTBE)	ND	mg/Kg	0.10								
Benzene	ND	mg/Kg	0.050								
Toluene	ND	mg/Kg	0.050								
Ethylbenzene	ND	mg/Kg	0.050								
Xylenes, Total	ND	mg/Kg	0.10								
Sample ID: LCS-26193		*LCS*				Batch ID:	**26193**	Analysis Date:		4/4/2011 7:53:23 PM	
Methyl tert-butyl ether (MTBE)	1.062	mg/Kg	0.10	1	0	106	65.5	229			
Benzene	1.069	mg/Kg	0.050	1	0.0176	105	83.3	107			
Toluene	0.9666	mg/Kg	0.050	1	0	96.7	74.3	115			
Ethylbenzene	1.012	mg/Kg	0.050	1	0.0063	101	80.9	122			
Xylenes, Total	3.097	mg/Kg	0.10	3	0	103	85.2	123			
Sample ID: 1103A84-01AMS		*MS*				Batch ID:	**26193**	Analysis Date:		4/4/2011 6:53:20 PM	
Methyl tert-butyl ether (MTBE)	1.074	mg/Kg	0.10	1	0	107	61.3	215			
Benzene	1.049	mg/Kg	0.050	1	0.018	103	67.2	113			
Toluene	0.9538	mg/Kg	0.050	1	0	95.4	62.1	116			
Ethylbenzene	0.9936	mg/Kg	0.050	1	0.0062	98.7	67.9	127			
Xylenes, Total	3.108	mg/Kg	0.10	3	0	104	60.6	134			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Shaw Environmental, Inc.
Project: KAFB BFF

Work Order: 1103A84

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8081: Pesticides TCLP											
Sample ID: 1103A84-02BMSD		*MSD*				Batch ID:	**26295**	Analysis Date:		4/12/2011 4:25:14 PM	
Endrin	0.0006050	mg/L	0.00010	0.0005	0	121	32.6	174	0.663	20	
gamma-BHC (Lindane)	0.0005850	mg/L	0.00010	0.0005	0	117	58.4	149	4.55	20	
Heptachlor	0.0005430	mg/L	0.00010	0.0005	0	109	39.8	156	5.10	20	
Heptachlor epoxide	0.0005830	mg/L	0.00010	0.0005	0	117	58.1	150	3.14	20	
Methoxychlor	0.0005550	mg/L	0.00010	0.0005	0	111	31.7	167	1.61	20	
Sample ID: MB-26295		*MBLK*				Batch ID:	**26295**	Analysis Date:		4/12/2011 2:59:10 PM	
Chlordane	ND	mg/L	0.030								
Endrin	ND	mg/L	0.020								
gamma-BHC (Lindane)	ND	mg/L	0.40								
Heptachlor	ND	mg/L	0.0080								
Heptachlor epoxide	ND	mg/L	0.0080								
Methoxychlor	ND	mg/L	10								
Toxaphene	ND	mg/L	0.50								
Sample ID: LCS-26295		*LCS*				Batch ID:	**26295**	Analysis Date:		4/12/2011 3:16:19 PM	
Endrin	0.0004840	mg/L	0.00010	0.0005	0	96.8	40.1	129			
gamma-BHC (Lindane)	0.0004310	mg/L	0.00010	0.0005	0	86.2	35.7	132			
Heptachlor	0.0004140	mg/L	0.00010	0.0005	0	82.8	32.8	124			
Heptachlor epoxide	0.0004560	mg/L	0.00010	0.0005	0	91.2	35.9	131			
Methoxychlor	0.0004590	mg/L	0.00010	0.0005	0	91.8	45.5	128			
Sample ID: 1103A84-02BMS		*MS*				Batch ID:	**26295**	Analysis Date:		4/12/2011 4:08:00 PM	
Endrin	0.0006010	mg/L	0.00010	0.0005	0	120	32.6	174			
gamma-BHC (Lindane)	0.0005590	mg/L	0.00010	0.0005	0	112	58.4	149			
Heptachlor	0.0005160	mg/L	0.00010	0.0005	0	103	39.8	156			
Heptachlor epoxide	0.0005650	mg/L	0.00010	0.0005	0	113	58.1	150			
Methoxychlor	0.0005640	mg/L	0.00010	0.0005	0	113	31.7	167			
Method: EPA Method 8151: Herbicides TCLP											
Sample ID: MB-R44758		*MBLK*				Batch ID:	**R44758**	Analysis Date:		4/6/2011	
2,4,5-TP (Silvex)	ND	mg/L	0.10								
2,4-D	ND	mg/L	0.10								
Sample ID: LCS-R44758		*LCS*				Batch ID:	**R44758**	Analysis Date:		4/6/2011	
2,4,5-TP (Silvex)	0.002070	mg/L	0.0010	0.003	0	82.8	50	150			
2,4-D	0.008880	mg/L	0.0010	0.01	0	88.8	50	150			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Shaw Environmental, Inc.
Project: KAFB BFF

Work Order: 1103A84

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: Volatiles by 8260B/1311						Batch ID:	**26245**	Analysis Date:		4/13/2011 7:48:55 AM	
Sample ID: 1103a84-02b msd		*MSD*									
Benzene	0.3894	mg/L	0.010	0.4	0	97.4	51.1	171	10.8	0	
Chlorobenzene	0.4018	mg/L	0.010	0.4	0.005	99.2	36.1	191	2.75	0	
1,1-Dichloroethene	0.3943	mg/L	0.010	0.4	0	98.6	49.1	162	16.5	0	
Trichloroethene (TCE)	0.3323	mg/L	0.010	0.4	0	83.1	41.2	166	14.1	0	
Sample ID: mb-26197		*MBLK*				Batch ID:	**26197**	Analysis Date:		4/2/2011 1:01:18 AM	
Benzene	ND	mg/L	0.50								
2-Butanone	ND	mg/L	10								
Carbon Tetrachloride	ND	mg/L	0.50								
Chlorobenzene	ND	mg/L	100								
Chloroform	ND	mg/L	6.0								
1,4-Dichlorobenzene	ND	mg/L	7.5								
1,2-Dichloroethane (EDC)	ND	mg/L	0.50								
1,1-Dichloroethene	ND	mg/L	0.70								
Hexachlorobutadiene	ND	mg/L	0.50								
Tetrachloroethene (PCE)	ND	mg/L	0.70								
Trichloroethene (TCE)	ND	mg/L	0.50								
Vinyl chloride	ND	mg/L	0.20								
Sample ID: mb-26245		*MBLK*				Batch ID:	**26245**	Analysis Date:		4/13/2011 5:56:02 AM	
Benzene	ND	mg/L	0.50								
2-Butanone	ND	mg/L	10								
Carbon Tetrachloride	ND	mg/L	0.50								
Chlorobenzene	ND	mg/L	100								
Chloroform	ND	mg/L	6.0								
1,4-Dichlorobenzene	ND	mg/L	7.5								
1,2-Dichloroethane (EDC)	ND	mg/L	0.50								
1,1-Dichloroethene	ND	mg/L	0.70								
Hexachlorobutadiene	ND	mg/L	0.50								
Tetrachloroethene (PCE)	ND	mg/L	0.70								
Trichloroethene (TCE)	ND	mg/L	0.50								
Vinyl chloride	ND	mg/L	0.20								
Sample ID: lcs-26197		*LCS*				Batch ID:	**26197**	Analysis Date:		4/2/2011 1:29:30 AM	
Benzene	0.3910	mg/L	0.010	0.4	0	97.7	51.1	171			
Chlorobenzene	0.3763	mg/L	0.010	0.4	0	94.1	36.1	191			
1,1-Dichloroethene	0.4411	mg/L	0.010	0.4	0	110	49.1	162			
Trichloroethene (TCE)	0.3517	mg/L	0.010	0.4	0	87.9	41.2	166			
Sample ID: lcs-26245		*LCS*				Batch ID:	**26245**	Analysis Date:		4/13/2011 6:24:23 AM	
Benzene	0.4283	mg/L	0.010	0.4	0	107	51.1	171			
Chlorobenzene	0.3898	mg/L	0.010	0.4	0	97.5	36.1	191			
1,1-Dichloroethene	0.4686	mg/L	0.010	0.4	0	117	49.1	162			
Trichloroethene (TCE)	0.3748	mg/L	0.010	0.4	0	93.7	41.2	166			
Sample ID: 1103a84-02b ms		*MS*				Batch ID:	**26245**	Analysis Date:		4/13/2011 7:20:41 AM	
Benzene	0.4337	mg/L	0.010	0.4	0	108	51.1	171			
Chlorobenzene	0.3909	mg/L	0.010	0.4	0.005	96.5	36.1	191			

Qualifiers:

E Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
NC Non-Chlorinated
R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Shaw Environmental, Inc.
Project: KAFB BFF

Work Order: 1103A84

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: Volatiles by 8260B/1311											
Sample ID: 1103a84-02b ms		*MS*				Batch ID:	**26245**	Analysis Date:		4/13/2011 7:20:41 AM	
1,1-Dichloroethene	0.4652	mg/L	0.010	0.4	0	116	49.1	162			
Trichloroethene (TCE)	0.3827	mg/L	0.010	0.4	0	95.7	41.2	166			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Shaw Environmental, Inc.
Project: KAFB BFF

Work Order: 1103A84

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C TCLP											
Sample ID: 1103A84-01Bmsd		*MSD*				Batch ID:	**26293**	Analysis Date:		4/8/2011 4:38:33 PM	
2,4-Dinitrotoluene	0.09002	mg/L	0.010	0.1	0	90.0	18.8	132	2.15	27.2	
Hexachlorobenzene	0.07924	mg/L	0.010	0.1	0	79.2	23.2	85.1	1.80	23	
Hexachlorobutadiene	0.07500	mg/L	0.010	0.1	0	75.0	19.4	95.4	2.10	21.6	
Hexachloroethane	0.08328	mg/L	0.010	0.1	0	83.3	21.2	93.4	1.06	30	
Nitrobenzene	0.1052	mg/L	0.010	0.1	0	105	26.6	104	5.21	23.4	S
Pentachlorophenol	0.07008	mg/L	0.010	0.1	0	70.1	10	91.1	11.4	58.6	
Pyridine	0.05778	mg/L	0.010	0.1	0	57.8	4.93	76.8	9.31	35.4	
2,4,5-Trichlorophenol	0.08756	mg/L	0.010	0.1	0	87.6	10	105	2.17	58.3	
2,4,6-Trichlorophenol	0.08002	mg/L	0.010	0.1	0	80.0	9.42	99.5	0.275	57.7	
Cresols, Total	0.2573	mg/L	0.010	0.3	0	85.8	17.9	97.2	3.85	25.4	
Sample ID: mb-26293		*MBLK*				Batch ID:	**26293**	Analysis Date:		4/8/2011 2:39:49 PM	
2,4-Dinitrotoluene	ND	mg/L	0.13								
Hexachlorobenzene	ND	mg/L	0.13								
Hexachlorobutadiene	ND	mg/L	0.50								
Hexachloroethane	ND	mg/L	3.0								
Nitrobenzene	ND	mg/L	2.0								
Pentachlorophenol	ND	mg/L	100								
Pyridine	ND	mg/L	5.0								
2,4,5-Trichlorophenol	ND	mg/L	400								
2,4,6-Trichlorophenol	ND	mg/L	2.0								
Cresols, Total	ND	mg/L	200								
Sample ID: lcs-26293		*LCS*				Batch ID:	**26293**	Analysis Date:		4/8/2011 3:09:27 PM	
2,4-Dinitrotoluene	0.06502	mg/L	0.010	0.1	0	65.0	21.5	129			
Hexachlorobenzene	0.05924	mg/L	0.010	0.1	0	59.2	26.2	83.3			
Hexachlorobutadiene	0.05764	mg/L	0.010	0.1	0	57.6	25.9	83.4			
Hexachloroethane	0.06314	mg/L	0.010	0.1	0	63.1	30.5	77.5			
Nitrobenzene	0.07352	mg/L	0.010	0.1	0	73.5	34.6	97.6			
Pentachlorophenol	0.05446	mg/L	0.010	0.1	0	54.5	13.3	88.7			
Pyridine	0.03004	mg/L	0.010	0.1	0	30.0	5.1	70.6			
2,4,5-Trichlorophenol	0.06220	mg/L	0.010	0.1	0	62.2	11.7	104			
2,4,6-Trichlorophenol	0.05642	mg/L	0.010	0.1	0	56.4	11.6	100			
Cresols, Total	0.1952	mg/L	0.010	0.3	0	65.1	29.6	87			
Sample ID: 1103A84-01Bms		*MS*				Batch ID:	**26293**	Analysis Date:		4/8/2011 4:08:57 PM	
2,4-Dinitrotoluene	0.09198	mg/L	0.010	0.1	0	92.0	18.8	132			
Hexachlorobenzene	0.08068	mg/L	0.010	0.1	0	80.7	23.2	85.1			
Hexachlorobutadiene	0.07344	mg/L	0.010	0.1	0	73.4	19.4	95.4			
Hexachloroethane	0.08240	mg/L	0.010	0.1	0	82.4	21.2	93.4			
Nitrobenzene	0.09984	mg/L	0.010	0.1	0	99.8	26.6	104			
Pentachlorophenol	0.07852	mg/L	0.010	0.1	0	78.5	10	91.1			
Pyridine	0.05264	mg/L	0.010	0.1	0	52.6	4.93	76.8			
2,4,5-Trichlorophenol	0.08568	mg/L	0.010	0.1	0	85.7	10	105			
2,4,6-Trichlorophenol	0.07980	mg/L	0.010	0.1	0	79.8	9.42	99.5			
Cresols, Total	0.2674	mg/L	0.010	0.3	0	89.1	17.9	97.2			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Shaw Environmental, Inc.
Project: KAFB BFF **Work Order:** 1103A84

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: MERCURY, TCLP											
Sample ID: MB-26362		*MBLK*				Batch ID:	**26362**	Analysis Date:	4/12/2011 4:40:08 PM		
Mercury	ND	mg/L	0.020								
Sample ID: LCS-26362		*LCS*				Batch ID:	**26362**	Analysis Date:	4/12/2011 4:41:52 PM		
Mercury	ND	mg/L	0.020	0.005	0	102	80	120			
Method: EPA Method 6010B: TCLP Metals											
Sample ID: MB-26319		*MBLK*				Batch ID:	**26319**	Analysis Date:	4/11/2011 1:00:39 PM		
Arsenic	ND	mg/L	5.0								
Barium	ND	mg/L	100								
Cadmium	ND	mg/L	1.0								
Chromium	ND	mg/L	5.0								
Lead	ND	mg/L	5.0								
Selenium	ND	mg/L	1.0								
Silver	ND	mg/L	5.0								
Sample ID: LCS-26319		*LCS*				Batch ID:	**26319**	Analysis Date:	4/11/2011 1:03:03 PM		
Arsenic	ND	mg/L	5.0	0.5	0	116	80	120			
Barium	ND	mg/L	100	0.5	0.0005	97.3	80	120			
Cadmium	ND	mg/L	1.0	0.5	0	108	80	120			
Chromium	ND	mg/L	5.0	0.5	0.0015	98.7	80	120			
Lead	ND	mg/L	5.0	0.5	0	93.2	80	120			
Silver	ND	mg/L	5.0	0.5	0	109	80	120			
Sample ID: LCS-26319		*LCS*				Batch ID:	**26319**	Analysis Date:	4/11/2011 2:31:31 PM		
Selenium	ND	mg/L	1.0	0.5	0	118	80	120			
Method: CYANIDE, Reactive											
Sample ID: MB-R44758		*MBLK*				Batch ID:	**R44758**	Analysis Date:	4/6/2011		
Reactive Cyanide	ND	mg/Kg	10								
Sample ID: LCS-R44758		*LCS*				Batch ID:	**R44758**	Analysis Date:	4/6/2011		
Reactive Cyanide	0.5110	mg/Kg	0.10	0.5	0	102	70	130			
Method: SULFIDE, Reactive											
Sample ID: MB-R44758		*MBLK*				Batch ID:	**R44758**	Analysis Date:	4/5/2011		
Reactive Sulfide	ND	mg/Kg	10								
Sample ID: LCS-R44758		*LCS*				Batch ID:	**R44758**	Analysis Date:	4/5/2011		
Reactive Sulfide	0.1600	mg/Kg	0.10	0.2	0	80.0	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name SHAW

Date Received: 3/29/2011

Work Order Number 1103A84

Received by: AT

Sample ID labels checked by: MG (Initials)

Checklist completed by: [signature] (Signature) 03/29/11 (Date)

Matrix:

Carrier name: Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		Number of preserved bottles checked for pH:
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	_____
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	*<2 >12 unless noted below.*
Container/Temp Blank temperature?	**21.3°**	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Shaw™ Shaw E & I

CHAIN OF CUSTODY

Ref. Document # 140705 - IDW033

Page 1 of 1

Project Number: 140705
Project Name / Location: KAFB BFF
Purchase Order #: 654194

Project Contact: Pamela Moss (Name & phone #)

Send Report To: Pamela Moss
Phone/Fax Number: 720-554-8252
Address: pamela.moss@shawgrp.com
City:

Shipment Date: 3/29/11
Waybill/Airbill Number: Courier
Lab Destination: Hall Environ.
Lab Contact Name / ph. #: Hall Environ.

1103A84

Sampler's Name(s): Kimberly Jones

	Sample ID Number	Sample Description	Collection Information Date	Time	G/C	Matrix	# of containers	Container type	Preservative HCL	NaOH	HNO_3	H_2SO_4	Ice	None	Analyses Requested: Full TCLP / RCI	BTEX / TPHD / TPHG								Turn Around Time Requested
-1	106084 IDW2	Rolloff - Drill Cuttings	3/29/11	1441	C	SOL	3	8 oz.						X	X									10 d
-1	"	"	3/29/11	1441	C	SOL	1	4 oz.						X		X								10 d
-2	106084 IDW3	Rolloff - Drill Cuttings	3/29/11	1448	C	SOL	3	8 oz.						X	X									10 d
-2	"	"	3/29/11	1448	C	SOL	1	4 oz.						X		X								10 d
-3	106084 IDW4	Rolloff - Drill Cuttings	3/29/11	1455	C	SOL	3	8 oz.						X	X									10 d
-3	"	"	3/29/11	1455	C	SOL	1	4 oz.						X		X								10 d

Special Instructions:
3 Rolloffs - 10 day TAT
21.3

QC/Data Package Level Required: I II III IV/Project Specific:

Relinquished By	Date	Time	Received By	Date	Time
Kimberly Jones Kimberly Jones	3/29/11	1528	Michael Barr	3/29/11	1528
				03/29/11	1600

G/C Codes
C = Composite
G = Grab

Matrix Codes
DW = Drinking Water
GW = Ground Water
WW = Waste Water
SW = Surface Water
LIQ = Other Liquid
AS = Air Sample
SO = Soil
SL = Sludge
CP = Chip Samples
WP = Wipe Samples
SOL = Other Solid
SED = Sediment