HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Friday, February 25, 2011

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

TEL: (720) 554-8252
FAX

RE: KAFB BFF

Order No.: 1102293

Dear Pamela Moss:

Hall Environmental Analysis Laboratory, Inc. received 2 sample(s) on 2/10/2011 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued February 24, 2011.

No determination of compounds below these (denoted by the ND or < sign) has been made.

Reporting limits are determined by EPA methodology.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425
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

CLIENT: Shaw Environmental, Inc.
Project: KAFB BFF
Lab Order: 1102293

CASE NARRATIVE

"S" flags denote that the surrogate was low or high due to matrix interferences.

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Feb-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106133IDW2
Lab Order:	1102293	**Collection Date:**	2/10/2011 2:45:00 PM
Project:	KAFB BFF	**Date Received:**	2/10/2011
Lab ID:	1102293-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8081: PESTICIDES TCLP						Analyst: **JDC**
Chlordane	ND	0.030		mg/L	1	2/17/2011 7:31:06 PM
Endrin	ND	0.020		mg/L	1	2/17/2011 7:31:06 PM
gamma-BHC (Lindane)	ND	0.40		mg/L	1	2/17/2011 7:31:06 PM
Heptachlor	ND	0.0080		mg/L	1	2/17/2011 7:31:06 PM
Heptachlor epoxide	ND	0.0080		mg/L	1	2/17/2011 7:31:06 PM
Methoxychlor	ND	10		mg/L	1	2/17/2011 7:31:06 PM
Toxaphene	ND	0.50		mg/L	1	2/17/2011 7:31:06 PM
Surr: Decachlorobiphenyl	81.6	39-142		%REC	1	2/17/2011 7:31:06 PM
Surr: Tetrachloro-m-xylene	80.2	38.7-136		%REC	1	2/17/2011 7:31:06 PM
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **JB**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/13/2011 7:13:42 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/13/2011 7:13:42 PM
Surr: DNOP	131	81.8-129	S	%REC	1	2/13/2011 7:13:42 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/12/2011 12:15:08 AM
Surr: BFB	82.1	89.7-125	S	%REC	1	2/12/2011 12:15:08 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	2/12/2011 12:15:08 AM
Benzene	ND	0.050		mg/Kg	1	2/12/2011 12:15:08 AM
Toluene	ND	0.050		mg/Kg	1	2/12/2011 12:15:08 AM
Ethylbenzene	ND	0.050		mg/Kg	1	2/12/2011 12:15:08 AM
Xylenes, Total	ND	0.10		mg/Kg	1	2/12/2011 12:15:08 AM
Surr: 4-Bromofluorobenzene	91.5	88.9-151		%REC	1	2/12/2011 12:15:08 AM
MERCURY, TCLP						Analyst: **ELS**
Mercury	ND	0.020		mg/L	1	2/24/2011 1:00:54 PM
EPA METHOD 6010B: TCLP METALS						Analyst: **RAGS**
Arsenic	ND	5.0		mg/L	1	2/17/2011 1:12:00 PM
Barium	ND	100		mg/L	5	2/17/2011 1:14:22 PM
Cadmium	ND	1.0		mg/L	1	2/17/2011 1:12:00 PM
Chromium	ND	5.0		mg/L	1	2/17/2011 1:12:00 PM
Lead	ND	5.0		mg/L	1	2/17/2011 1:12:00 PM
Selenium	ND	1.0		mg/L	1	2/17/2011 1:12:00 PM
Silver	ND	5.0		mg/L	1	2/17/2011 1:12:00 PM
EPA METHOD 8270C TCLP						Analyst: **JDC**
2,4-Dinitrotoluene	ND	0.13		mg/L	1	2/18/2011 9:38:00 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: *25-Feb-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106133IDW2
Lab Order:	1102293	**Collection Date:**	2/10/2011 2:45:00 PM
Project:	KAFB BFF	**Date Received:**	2/10/2011
Lab ID:	1102293-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C TCLP						Analyst: **JDC**
Hexachlorobenzene	ND	0.13		mg/L	1	2/18/2011 9:38:00 PM
Hexachlorobutadiene	ND	0.50		mg/L	1	2/18/2011 9:38:00 PM
Hexachloroethane	ND	3.0		mg/L	1	2/18/2011 9:38:00 PM
Nitrobenzene	ND	2.0		mg/L	1	2/18/2011 9:38:00 PM
Pentachlorophenol	ND	100		mg/L	1	2/18/2011 9:38:00 PM
Pyridine	ND	5.0		mg/L	1	2/18/2011 9:38:00 PM
2,4,5-Trichlorophenol	ND	400		mg/L	1	2/18/2011 9:38:00 PM
2,4,6-Trichlorophenol	ND	2.0		mg/L	1	2/18/2011 9:38:00 PM
Cresols, Total	ND	200		mg/L	1	2/18/2011 9:38:00 PM
Surr: 2,4,6-Tribromophenol	73.3	21.6-121		%REC	1	2/18/2011 9:38:00 PM
Surr: 2-Fluorobiphenyl	72.9	36.3-107		%REC	1	2/18/2011 9:38:00 PM
Surr: 2-Fluorophenol	52.6	7.63-90		%REC	1	2/18/2011 9:38:00 PM
Surr: 4-Terphenyl-d14	86.8	39-110		%REC	1	2/18/2011 9:38:00 PM
Surr: Nitrobenzene-d5	69.5	36.9-110		%REC	1	2/18/2011 9:38:00 PM
Surr: Phenol-d5	40.1	13.3-67.7		%REC	1	2/18/2011 9:38:00 PM
VOLATILES BY 8260B/1311						Analyst: **MMS**
Benzene	ND	0.50		mg/L	1	2/23/2011 2:12:07 AM
2-Butanone	ND	10		mg/L	1	2/23/2011 2:12:07 AM
Carbon Tetrachloride	ND	0.50		mg/L	1	2/23/2011 2:12:07 AM
Chlorobenzene	ND	100		mg/L	1	2/23/2011 2:12:07 AM
Chloroform	ND	6.0		mg/L	1	2/23/2011 2:12:07 AM
1,4-Dichlorobenzene	ND	7.5		mg/L	1	2/23/2011 2:12:07 AM
1,2-Dichloroethane (EDC)	ND	0.50		mg/L	1	2/23/2011 2:12:07 AM
1,1-Dichloroethene	ND	0.70		mg/L	1	2/23/2011 2:12:07 AM
Hexachlorobutadiene	ND	0.50		mg/L	1	2/23/2011 2:12:07 AM
Tetrachloroethene (PCE)	ND	0.70		mg/L	1	2/23/2011 2:12:07 AM
Trichloroethene (TCE)	ND	0.50		mg/L	1	2/23/2011 2:12:07 AM
Vinyl chloride	ND	0.20		mg/L	1	2/23/2011 2:12:07 AM
Surr: 1,2-Dichloroethane-d4	87.3	69.9-130		%REC	1	2/23/2011 2:12:07 AM
Surr: 4-Bromofluorobenzene	105	71.2-123		%REC	1	2/23/2011 2:12:07 AM
Surr: Dibromofluoromethane	112	73.9-134		%REC	1	2/23/2011 2:12:07 AM
Surr: Toluene-d8	98.4	81.9-122		%REC	1	2/23/2011 2:12:07 AM
EPA METHOD 8151: HERBICIDES TCLP						Analyst: **ANTE**
2,4,5-TP (Silvex)	ND	0.10		mg/L	1	2/19/2011
2,4-D	ND	0.10		mg/L	1	2/19/2011
CORROSIVITY						Analyst: **ANTE**
pH	8.3	0.10		pH Units	1	2/18/2011

Qualifiers:

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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: *25-Feb-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106133IDW2
Lab Order:	1102293	**Collection Date:**	2/10/2011 2:45:00 PM
Project:	KAFB BFF	**Date Received:**	2/10/2011
Lab ID:	1102293-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
IGNITABILITY (SUBBED)						Analyst: **ANTE**
Ignitability	Negative	0		°F	1	2/16/2011
CYANIDE, REACTIVE						Analyst: **ANTE**
Reactive Cyanide	ND	10		mg/Kg	1	2/23/2011
SULFIDE, REACTIVE						Analyst: **ANTE**
Reactive Sulfide	ND	15		mg/Kg	1	2/21/2011

Qualifiers:

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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: *25-Feb-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106115IDW1
Lab Order:	1102293	**Collection Date:**	2/10/2011 2:47:00 PM
Project:	KAFB BFF	**Date Received:**	2/10/2011
Lab ID:	1102293-02	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8081: PESTICIDES TCLP						Analyst: **JDC**
Chlordane	ND	0.030		mg/L	1	2/17/2011 7:48:13 PM
Endrin	ND	0.020		mg/L	1	2/17/2011 7:48:13 PM
gamma-BHC (Lindane)	ND	0.40		mg/L	1	2/17/2011 7:48:13 PM
Heptachlor	ND	0.0080		mg/L	1	2/17/2011 7:48:13 PM
Heptachlor epoxide	ND	0.0080		mg/L	1	2/17/2011 7:48:13 PM
Methoxychlor	ND	10		mg/L	1	2/17/2011 7:48:13 PM
Toxaphene	ND	0.50		mg/L	1	2/17/2011 7:48:13 PM
Surr: Decachlorobiphenyl	76.3	39-142		%REC	1	2/17/2011 7:48:13 PM
Surr: Tetrachloro-m-xylene	62.7	38.7-136		%REC	1	2/17/2011 7:48:13 PM
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **JB**
Diesel Range Organics (DRO)	12	10		mg/Kg	1	2/13/2011 8:20:36 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/13/2011 8:20:36 PM
Surr: DNOP	111	81.8-129		%REC	1	2/13/2011 8:20:36 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/12/2011 12:45:14 AM
Surr: BFB	91.0	89.7-125		%REC	1	2/12/2011 12:45:14 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	2/12/2011 12:45:14 AM
Benzene	ND	0.050		mg/Kg	1	2/12/2011 12:45:14 AM
Toluene	ND	0.050		mg/Kg	1	2/12/2011 12:45:14 AM
Ethylbenzene	ND	0.050		mg/Kg	1	2/12/2011 12:45:14 AM
Xylenes, Total	ND	0.10		mg/Kg	1	2/12/2011 12:45:14 AM
Surr: 4-Bromofluorobenzene	107	88.9-151		%REC	1	2/12/2011 12:45:14 AM
MERCURY, TCLP						Analyst: **ELS**
Mercury	ND	0.020		mg/L	1	2/24/2011 1:06:17 PM
EPA METHOD 6010B: TCLP METALS						Analyst: **RAGS**
Arsenic	ND	5.0		mg/L	1	2/17/2011 1:16:44 PM
Barium	ND	100		mg/L	1	2/17/2011 1:16:44 PM
Cadmium	ND	1.0		mg/L	1	2/17/2011 1:16:44 PM
Chromium	ND	5.0		mg/L	1	2/17/2011 1:16:44 PM
Lead	ND	5.0		mg/L	1	2/17/2011 1:16:44 PM
Selenium	ND	1.0		mg/L	1	2/17/2011 1:16:44 PM
Silver	ND	5.0		mg/L	1	2/17/2011 1:16:44 PM
EPA METHOD 8270C TCLP						Analyst: **JDC**
2,4-Dinitrotoluene	ND	0.13		mg/L	1	2/18/2011 10:06:47 PM

Qualifiers:

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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: *25-Feb-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106115IDW1
Lab Order:	1102293	**Collection Date:**	2/10/2011 2:47:00 PM
Project:	KAFB BFF	**Date Received:**	2/10/2011
Lab ID:	1102293-02	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C TCLP						Analyst: **JDC**
Hexachlorobenzene	ND	0.13		mg/L	1	2/18/2011 10:06:47 PM
Hexachlorobutadiene	ND	0.50		mg/L	1	2/18/2011 10:06:47 PM
Hexachloroethane	ND	3.0		mg/L	1	2/18/2011 10:06:47 PM
Nitrobenzene	ND	2.0		mg/L	1	2/18/2011 10:06:47 PM
Pentachlorophenol	ND	100		mg/L	1	2/18/2011 10:06:47 PM
Pyridine	ND	5.0		mg/L	1	2/18/2011 10:06:47 PM
2,4,5-Trichlorophenol	ND	400		mg/L	1	2/18/2011 10:06:47 PM
2,4,6-Trichlorophenol	ND	2.0		mg/L	1	2/18/2011 10:06:47 PM
Cresols, Total	ND	200		mg/L	1	2/18/2011 10:06:47 PM
Surr: 2,4,6-Tribromophenol	82.2	21.6-121		%REC	1	2/18/2011 10:06:47 PM
Surr: 2-Fluorobiphenyl	78.6	36.3-107		%REC	1	2/18/2011 10:06:47 PM
Surr: 2-Fluorophenol	52.5	7.63-90		%REC	1	2/18/2011 10:06:47 PM
Surr: 4-Terphenyl-d14	99.9	39-110		%REC	1	2/18/2011 10:06:47 PM
Surr: Nitrobenzene-d5	74.4	36.9-110		%REC	1	2/18/2011 10:06:47 PM
Surr: Phenol-d5	42.2	13.3-67.7		%REC	1	2/18/2011 10:06:47 PM
VOLATILES BY 8260B/1311						Analyst: **MMS**
Benzene	ND	0.50		mg/L	1	2/23/2011 3:36:21 AM
2-Butanone	ND	10		mg/L	1	2/23/2011 3:36:21 AM
Carbon Tetrachloride	ND	0.50		mg/L	1	2/23/2011 3:36:21 AM
Chlorobenzene	ND	100		mg/L	1	2/23/2011 3:36:21 AM
Chloroform	ND	6.0		mg/L	1	2/23/2011 3:36:21 AM
1,4-Dichlorobenzene	ND	7.5		mg/L	1	2/23/2011 3:36:21 AM
1,2-Dichloroethane (EDC)	ND	0.50		mg/L	1	2/23/2011 3:36:21 AM
1,1-Dichloroethene	ND	0.70		mg/L	1	2/23/2011 3:36:21 AM
Hexachlorobutadiene	ND	0.50		mg/L	1	2/23/2011 3:36:21 AM
Tetrachloroethene (PCE)	ND	0.70		mg/L	1	2/23/2011 3:36:21 AM
Trichloroethene (TCE)	ND	0.50		mg/L	1	2/23/2011 3:36:21 AM
Vinyl chloride	ND	0.20		mg/L	1	2/23/2011 3:36:21 AM
Surr: 1,2-Dichloroethane-d4	85.9	69.9-130		%REC	1	2/23/2011 3:36:21 AM
Surr: 4-Bromofluorobenzene	107	71.2-123		%REC	1	2/23/2011 3:36:21 AM
Surr: Dibromofluoromethane	109	73.9-134		%REC	1	2/23/2011 3:36:21 AM
Surr: Toluene-d8	99.5	81.9-122		%REC	1	2/23/2011 3:36:21 AM
EPA METHOD 8151: HERBICIDES TCLP						Analyst: **ANTE**
2,4,5-TP (Silvex)	ND	0.10		mg/L	1	2/19/2011
2,4-D	ND	0.10		mg/L	1	2/19/2011
CORROSIVITY						Analyst: **ANTE**
pH	8.5	0.10		pH Units	1	2/18/2011

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: *25-Feb-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106115IDW1
Lab Order:	1102293	**Collection Date:**	2/10/2011 2:47:00 PM
Project:	KAFB BFF	**Date Received:**	2/10/2011
Lab ID:	1102293-02	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
IGNITABILITY (SUBBED)						Analyst: **ANTE**
Ignitability	Negative	0		°F	1	2/16/2011
CYANIDE, REACTIVE						Analyst: **ANTE**
Reactive Cyanide	ND	10		mg/Kg	1	2/23/2011
SULFIDE, REACTIVE						Analyst: **ANTE**
Reactive Sulfide	ND	15		mg/Kg	1	2/21/2011

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

QA/QC SUMMARY REPORT

Client: Shaw Environmental, Inc.
Project: KAFB BFF
Work Order: 1102293

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range Organics											
Sample ID: MB-25593		*MBLK*				Batch ID:	**25593**	Analysis Date:		2/13/2011 2:45:00 PM	
Diesel Range Organics (DRO)	ND	mg/Kg	10								
Motor Oil Range Organics (MRO)	ND	mg/Kg	50								
Sample ID: LCS-25593		*LCS*				Batch ID:	**25593**	Analysis Date:		2/13/2011 3:18:35 PM	
Diesel Range Organics (DRO)	38.73	mg/Kg	10	50	0	77.5	66.2	120			
Sample ID: LCSD-25593		*LCSD*				Batch ID:	**25593**	Analysis Date:		2/13/2011 3:52:10 PM	
Diesel Range Organics (DRO)	42.62	mg/Kg	10	50	0	85.2	66.2	120	9.56	14.3	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: MB-25586		*MBLK*				Batch ID:	**25586**	Analysis Date:		2/11/2011 9:15:04 PM	
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0								
Sample ID: LCS-25586		*LCS*				Batch ID:	**25586**	Analysis Date:		2/11/2011 8:14:58 PM	
Gasoline Range Organics (GRO)	24.70	mg/Kg	5.0	25	0	98.8	95.7	120			
Method: EPA Method 8021B: Volatiles											
Sample ID: MB-25586		*MBLK*				Batch ID:	**25586**	Analysis Date:		2/11/2011 9:15:04 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-25586		*LCS*				Batch ID:	**25586**	Analysis Date:		2/11/2011 8:44:58 PM	
Methyl tert-butyl ether (MTBE)	1.384	mg/Kg	0.10	1	0	138	65.5	229			
Benzene	1.070	mg/Kg	0.050	1	0	107	83.3	107			
Toluene	1.010	mg/Kg	0.050	1	0	101	74.3	115			
Ethylbenzene	1.082	mg/Kg	0.050	1	0	108	80.9	122			
Xylenes, Total	3.340	mg/Kg	0.10	3	0	111	85.2	123			

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:** 1102293

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8081: Pesticides TCLP											
Sample ID: MB-25637		*MBLK*				Batch ID:	**25637**	Analysis Date:		2/17/2011 4:37:02 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-25637		*LCS*				Batch ID:	**25637**	Analysis Date:		2/17/2011 4:54:11 PM	
Endrin	0.0003300	mg/L	0.00010	0.0005	0	66.0	40.1	129			
gamma-BHC (Lindane)	0.0003170	mg/L	0.00010	0.0005	0	63.4	35.7	132			
Heptachlor	0.0002910	mg/L	0.00010	0.0005	0	58.2	32.8	124			
Heptachlor epoxide	0.0003060	mg/L	0.00010	0.0005	0	61.2	35.9	131			
Methoxychlor	0.0003360	mg/L	0.00010	0.0005	0	67.2	45.5	128			
Sample ID: LCSD-25637		*LCSD*				Batch ID:	**25637**	Analysis Date:		2/17/2011 5:11:22 PM	
Endrin	0.0004110	mg/L	0.00010	0.0005	0	82.2	40.1	129	21.9	20	R
gamma-BHC (Lindane)	0.0003770	mg/L	0.00010	0.0005	0	75.4	35.7	132	17.3	20	
Heptachlor	0.0003390	mg/L	0.00010	0.0005	0	67.8	32.8	124	15.2	20	
Heptachlor epoxide	0.0003700	mg/L	0.00010	0.0005	0	74.0	35.9	131	18.9	20	
Methoxychlor	0.0004260	mg/L	0.00010	0.0005	0	85.2	45.5	128	23.6	20	R
Method: EPA Method 8151: Herbicides TCLP											
Sample ID: MB-R43822		*MBLK*				Batch ID:	**R43822**	Analysis Date:		2/18/2011	
2,4,5-TP (Silvex)	ND	mg/L	0.10								
2,4-D	ND	mg/L	0.10								
Sample ID: LCS-R43822		*LCS*				Batch ID:	**R43822**	Analysis Date:		2/18/2011	
2,4,5-TP (Silvex)	0.002260	mg/L	0.0010	0.003	0	90.4	50	150			
2,4-D	0.008810	mg/L	0.0010	0.01	0	88.1	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:** 1102293

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: Volatiles by 8260B/1311											
Sample ID: 1102293-01BMSD		*MSD*				Batch ID:	**25702**	Analysis Date:		2/23/2011 3:08:15 AM	
Benzene	0.3740	mg/L	0.010	0.4	0	93.5	51.1	171	3.64	0	
Chlorobenzene	0.3940	mg/L	0.010	0.4	0.002	98.0	36.1	191	2.97	0	
1,1-Dichloroethene	0.3916	mg/L	0.010	0.4	0	97.9	49.1	162	6.98	0	
Trichloroethene (TCE)	0.3339	mg/L	0.010	0.4	0	83.5	41.2	166	7.32	0	
Sample ID: mb-25702		*MBLK*				Batch ID:	**25702**	Analysis Date:		2/23/2011 12:48:28 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-25702		*LCS*				Batch ID:	**25702**	Analysis Date:		2/23/2011 1:16:22 AM	
Benzene	0.3974	mg/L	0.010	0.4	0.003	98.6	51.1	171			
Chlorobenzene	0.4078	mg/L	0.010	0.4	0.0024	101	36.1	191			
1,1-Dichloroethene	0.4248	mg/L	0.010	0.4	0	106	49.1	162			
Trichloroethene (TCE)	0.3541	mg/L	0.010	0.4	0	88.5	41.2	166			
Sample ID: 1102293-01BMS		*MS*				Batch ID:	**25702**	Analysis Date:		2/23/2011 2:40:11 AM	
Benzene	0.3878	mg/L	0.010	0.4	0	97.0	51.1	171			
Chlorobenzene	0.4059	mg/L	0.010	0.4	0.002	101	36.1	191			
1,1-Dichloroethene	0.4199	mg/L	0.010	0.4	0	105	49.1	162			
Trichloroethene (TCE)	0.3592	mg/L	0.010	0.4	0	89.8	41.2	166			

Qualifiers:

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QA/QC SUMMARY REPORT

Client: Shaw Environmental, Inc.
Project: KAFB BFF

Work Order: 1102293

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C TCLP											
Sample ID: mb-25638		*MBLK*				Batch ID:	**25638**	Analysis Date:		2/18/2011 6:15:07 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-25638		*LCS*				Batch ID:	**25638**	Analysis Date:		2/18/2011 6:44:13 PM	
2,4-Dinitrotoluene	0.06380	mg/L	0.010	0.1	0	63.8	21.5	129			
Hexachlorobenzene	0.04556	mg/L	0.010	0.1	0	45.6	26.2	83.3			
Hexachlorobutadiene	0.05444	mg/L	0.010	0.1	0	54.4	25.9	83.4			
Hexachloroethane	0.05922	mg/L	0.010	0.1	0	59.2	30.5	77.5			
Nitrobenzene	0.06756	mg/L	0.010	0.1	0	67.6	34.6	97.6			
Pentachlorophenol	0.05932	mg/L	0.010	0.1	0	59.3	13.3	88.7			
Pyridine	0.01930	mg/L	0.010	0.1	0	19.3	5.1	70.6			
2,4,5-Trichlorophenol	0.06948	mg/L	0.010	0.1	0	69.5	11.7	104			
2,4,6-Trichlorophenol	0.06282	mg/L	0.010	0.1	0	62.8	11.6	100			
Cresols, Total	0.1501	mg/L	0.010	0.3	0	50.0	29.6	87			
Sample ID: lcsd-25638		*LCSD*				Batch ID:	**25638**	Analysis Date:		2/18/2011 7:13:15 PM	
2,4-Dinitrotoluene	0.05954	mg/L	0.010	0.1	0	59.5	21.5	129	6.91	24.8	
Hexachlorobenzene	0.04612	mg/L	0.010	0.1	0	46.1	26.2	83.3	1.22	26.7	
Hexachlorobutadiene	0.05460	mg/L	0.010	0.1	0	54.6	25.9	83.4	0.293	22.8	
Hexachloroethane	0.05578	mg/L	0.010	0.1	0	55.8	30.5	77.5	5.98	24.1	
Nitrobenzene	0.06052	mg/L	0.010	0.1	0	60.5	34.6	97.6	11.0	27.2	
Pentachlorophenol	0.05822	mg/L	0.010	0.1	0	58.2	13.3	88.7	1.87	51.6	
Pyridine	0.02888	mg/L	0.010	0.1	0	28.9	5.1	70.6	39.8	31.5	R
2,4,5-Trichlorophenol	0.06164	mg/L	0.010	0.1	0	61.6	11.7	104	12.0	43.5	
2,4,6-Trichlorophenol	0.05694	mg/L	0.010	0.1	0	56.9	11.6	100	9.82	47.6	
Cresols, Total	0.1557	mg/L	0.010	0.3	0	51.9	29.6	87	3.66	32.1	
Method: MERCURY, TCLP											
Sample ID: 1102293-01BMSD		*MSD*				Batch ID:	**25746**	Analysis Date:		2/24/2011 1:04:28 PM	
Mercury	ND	mg/L	0.020	0.005	0	99.7	75	125	0	20	
Sample ID: MB-25746		*MBLK*				Batch ID:	**25746**	Analysis Date:		2/24/2011 12:50:22 PM	
Mercury	ND	mg/L	0.020								
Sample ID: LCS-25746		*LCS*				Batch ID:	**25746**	Analysis Date:		2/24/2011 12:52:05 PM	
Mercury	ND	mg/L	0.020	0.005	0	103	80	120			
Sample ID: 1102293-01BMS		*MS*				Batch ID:	**25746**	Analysis Date:		2/24/2011 1:02:41 PM	
Mercury	ND	mg/L	0.020	0.005	0	106	75	125			

Qualifiers:

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QA/QC SUMMARY REPORT

Client: Shaw Environmental, Inc.
Project: KAFB BFF **Work Order:** 1102293

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: TCLP Metals											
Sample ID: MB-25640		*MBLK*				Batch ID:	**25640**	Analysis Date:	2/17/2011 12:04:16 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: MB-25640		*MBLK*				Batch ID:	**25640**	Analysis Date:	2/18/2011 2:19:07 PM		
Selenium	ND	mg/L	1.0								
Sample ID: LCS-25640		*LCS*				Batch ID:	**25640**	Analysis Date:	2/17/2011 12:06:40 PM		
Arsenic	ND	mg/L	5.0	0.5	0	116	80	120			
Barium	ND	mg/L	100	0.5	0	95.7	80	120			
Cadmium	ND	mg/L	1.0	0.5	0	107	80	120			
Chromium	ND	mg/L	5.0	0.5	0	103	80	120			
Lead	ND	mg/L	5.0	0.5	0	98.4	80	120			
Selenium	ND	mg/L	1.0	0.5	0	120	80	120			S
Silver	ND	mg/L	5.0	0.5	0	108	80	120			
Sample ID: LCS-25640		*LCS*				Batch ID:	**25640**	Analysis Date:	2/18/2011 2:21:33 PM		
Selenium	ND	mg/L	1.0	0.5	0	114	80	120			
Method: CYANIDE, Reactive											
Sample ID: MB-R43822		*MBLK*				Batch ID:	**R43822**	Analysis Date:	2/23/2011		
Reactive Cyanide	ND	mg/Kg	10								
Sample ID: LCS-R43822		*LCS*				Batch ID:	**R43822**	Analysis Date:	2/23/2011		
Reactive Cyanide	0.5050	mg/Kg	0.10	0.5	0	101	70	130			
Method: SULFIDE, Reactive											
Sample ID: MB-R43822		*MBLK*				Batch ID:	**R43822**	Analysis Date:	2/21/2011		
Reactive Sulfide	ND	mg/Kg	10								
Sample ID: LCS-R43822		*LCS*				Batch ID:	**R43822**	Analysis Date:	2/21/2011		
Reactive Sulfide	0.1600	mg/Kg	0.10	0.2	0	80.0	80	120			

Qualifiers:

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1102293

12.8

Shaw™ Shaw E & I

CHAIN OF CUSTODY

Ref. Document # 140705-IDW013

Page 1 of 1

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

Project Contact: Pamela Moss (Name & phone #)

Shipment Date: 2/10/11
Waybill/Airbill Number: Courier
Lab Destination: Hall Environ.
Lab Contact Name / ph. #: Hall Environ.

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

Sampler's Name(s): Kimberly Jones

1102293

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/TPHG/TPHD								Turn Around Time Requested
106133IDW2	Rolloff-Drill Cuttings	2/10/11	1445	C	SOL	3	8 oz.						X	X									10 d
"	"	2/10/11	1445	C	SOL	1	4 oz.						X		X								10 d
106115IDW1	Rolloff-Drill Cuttings	2/10/11	1447	C	SOL	3	8 oz.						X	X									10 d
"	"	2/10/11	1447	C	SOL	1	4 oz.						X		X								10 d

Special Instructions:

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

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Kimberly Jones	2/10/11	1505	[signature]	2/10/11	1505
			[signature]	2/10/11	1534

G/C Codes
C = Composite G = Grab

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