HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Monday, February 07, 2011

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

TEL: (720) 554-8252
FAX

RE: KAFB BFF

Order No.: 1101584

Dear Pamela Moss:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 1/19/2011 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.

Reporting limits are determined by EPA methodology.

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: *07-Feb-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106137 IDW1
Lab Order:	1101584	**Collection Date:**	1/19/2011 1:58:00 PM
Project:	KAFB BFF	**Date Received:**	1/19/2011
Lab ID:	1101584-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8081: PESTICIDES TCLP						Analyst: **JDC**
Chlordane	ND	0.030		mg/L	1	1/27/2011 1:39:24 PM
Endrin	ND	0.020		mg/L	1	1/27/2011 1:39:24 PM
gamma-BHC (Lindane)	ND	0.40		mg/L	1	1/27/2011 1:39:24 PM
Heptachlor	ND	0.0080		mg/L	1	1/27/2011 1:39:24 PM
Heptachlor epoxide	ND	0.0080		mg/L	1	1/27/2011 1:39:24 PM
Methoxychlor	ND	10		mg/L	1	1/27/2011 1:39:24 PM
Toxaphene	ND	0.50		mg/L	1	1/27/2011 1:39:24 PM
Surr: Decachlorobiphenyl	78.3	39-142		%REC	1	1/27/2011 1:39:24 PM
Surr: Tetrachloro-m-xylene	94.0	38.7-136		%REC	1	1/27/2011 1:39:24 PM
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **JB**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	1/26/2011 12:29:26 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/26/2011 12:29:26 AM
Surr: DNOP	95.6	81.8-129		%REC	1	1/26/2011 12:29:26 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/24/2011 2:47:42 PM
Surr: BFB	109	89.7-125		%REC	1	1/24/2011 2:47:42 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	1/24/2011 2:47:42 PM
Benzene	ND	0.050		mg/Kg	1	1/24/2011 2:47:42 PM
Toluene	ND	0.050		mg/Kg	1	1/24/2011 2:47:42 PM
Ethylbenzene	ND	0.050		mg/Kg	1	1/24/2011 2:47:42 PM
Xylenes, Total	ND	0.10		mg/Kg	1	1/24/2011 2:47:42 PM
Surr: 4-Bromofluorobenzene	131	88.9-151		%REC	1	1/24/2011 2:47:42 PM
MERCURY, TCLP						Analyst: **ELS**
Mercury	ND	0.020		mg/L	1	2/2/2011 11:12:54 AM
EPA METHOD 6010B: TCLP METALS						Analyst: **RAGS**
Arsenic	ND	5.0		mg/L	1	1/27/2011 5:38:29 PM
Barium	ND	100		mg/L	1	1/27/2011 5:38:29 PM
Cadmium	ND	1.0		mg/L	1	1/27/2011 5:38:29 PM
Chromium	ND	5.0		mg/L	1	1/27/2011 5:38:29 PM
Lead	ND	5.0		mg/L	1	1/27/2011 5:38:29 PM
Selenium	ND	1.0		mg/L	1	1/27/2011 5:38:29 PM
Silver	ND	5.0		mg/L	1	1/27/2011 5:38:29 PM
EPA METHOD 8270C TCLP						Analyst: **MAW**
2,4-Dinitrotoluene	ND	0.13		mg/L	1	1/26/2011 3:45:59 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: *07-Feb-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106137 IDW1
Lab Order:	1101584	**Collection Date:**	1/19/2011 1:58:00 PM
Project:	KAFB BFF	**Date Received:**	1/19/2011
Lab ID:	1101584-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C TCLP						Analyst: **MAW**
Hexachlorobenzene	ND	0.13		mg/L	1	1/26/2011 3:45:59 PM
Hexachlorobutadiene	ND	0.50		mg/L	1	1/26/2011 3:45:59 PM
Hexachloroethane	ND	3.0		mg/L	1	1/26/2011 3:45:59 PM
Nitrobenzene	ND	2.0		mg/L	1	1/26/2011 3:45:59 PM
Pentachlorophenol	ND	100		mg/L	1	1/26/2011 3:45:59 PM
Pyridine	ND	5.0		mg/L	1	1/26/2011 3:45:59 PM
2,4,5-Trichlorophenol	ND	400		mg/L	1	1/26/2011 3:45:59 PM
2,4,6-Trichlorophenol	ND	2.0		mg/L	1	1/26/2011 3:45:59 PM
Cresols, Total	ND	200		mg/L	1	1/26/2011 3:45:59 PM
Surr: 2,4,6-Tribromophenol	29.4	21.6-121		%REC	1	1/26/2011 3:45:59 PM
Surr: 2-Fluorobiphenyl	85.8	36.3-107		%REC	1	1/26/2011 3:45:59 PM
Surr: 2-Fluorophenol	19.8	7.63-90		%REC	1	1/26/2011 3:45:59 PM
Surr: 4-Terphenyl-d14	101	39-110		%REC	1	1/26/2011 3:45:59 PM
Surr: Nitrobenzene-d5	82.0	36.9-110		%REC	1	1/26/2011 3:45:59 PM
Surr: Phenol-d5	23.8	13.3-67.7		%REC	1	1/26/2011 3:45:59 PM
VOLATILES BY 8260B/1311						Analyst: **MMS**
Benzene	ND	0.50		mg/L	1	1/27/2011 7:16:17 AM
2-Butanone	ND	10		mg/L	1	1/27/2011 7:16:17 AM
Carbon Tetrachloride	ND	0.50		mg/L	1	1/27/2011 7:16:17 AM
Chlorobenzene	ND	100		mg/L	1	1/27/2011 7:16:17 AM
Chloroform	ND	6.0		mg/L	1	1/27/2011 7:16:17 AM
1,4-Dichlorobenzene	ND	7.5		mg/L	1	1/27/2011 7:16:17 AM
1,2-Dichloroethane (EDC)	ND	0.50		mg/L	1	1/27/2011 7:16:17 AM
1,1-Dichloroethene	ND	0.70		mg/L	1	1/27/2011 7:16:17 AM
Hexachlorobutadiene	ND	0.50		mg/L	1	1/27/2011 7:16:17 AM
Tetrachloroethene (PCE)	ND	0.70		mg/L	1	1/27/2011 7:16:17 AM
Trichloroethene (TCE)	ND	0.50		mg/L	1	1/27/2011 7:16:17 AM
Vinyl chloride	ND	0.20		mg/L	1	1/27/2011 7:16:17 AM
Surr: 1,2-Dichloroethane-d4	88.3	69.9-130		%REC	1	1/27/2011 7:16:17 AM
Surr: 4-Bromofluorobenzene	102	71.2-123		%REC	1	1/27/2011 7:16:17 AM
Surr: Dibromofluoromethane	92.1	73.9-134		%REC	1	1/27/2011 7:16:17 AM
Surr: Toluene-d8	107	81.9-122		%REC	1	1/27/2011 7:16:17 AM
EPA METHOD 8151: HERBICIDES TCLP						Analyst: **ANTE**
2,4,5-TP (Silvex)	ND	0.10		mg/L	1	1/25/2011
2,4-D	ND	0.10		mg/L	1	1/25/2011
CORROSIVITY						Analyst: **ANTE**
pH	8.5	0.10		pH Units	1	1/25/2011

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: *07-Feb-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106137 IDW1
Lab Order:	1101584	**Collection Date:**	1/19/2011 1:58:00 PM
Project:	KAFB BFF	**Date Received:**	1/19/2011
Lab ID:	1101584-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
IGNITABILITY (SUBBED)						Analyst: **ANTE**
Ignitability	Negative			°F	1	1/26/2011
CYANIDE, REACTIVE						Analyst: **ANTE**
Reactive Cyanide	ND	10		mg/Kg	1	2/1/2011
SULFIDE, REACTIVE						Analyst: **ANTE**
Reactive Sulfide	ND	25		mg/Kg	1	1/25/2011

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:** 1101584

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range Organics											
Sample ID: MB-25339		*MBLK*				Batch ID:	**25339**	Analysis Date:		1/25/2011 8:36:34 PM	
Diesel Range Organics (DRO)	ND	mg/Kg	10								
Motor Oil Range Organics (MRO)	ND	mg/Kg	50								
Sample ID: LCS-25339		*LCS*				Batch ID:	**25339**	Analysis Date:		1/25/2011 9:09:55 PM	
Diesel Range Organics (DRO)	45.93	mg/Kg	10	50	0	91.9	66.2	120			
Sample ID: LCSD-25339		*LCSD*				Batch ID:	**25339**	Analysis Date:		1/25/2011 9:42:43 PM	
Diesel Range Organics (DRO)	46.62	mg/Kg	10	50	0	93.2	66.2	120	1.51	14.3	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: MB-25336		*MBLK*				Batch ID:	**25336**	Analysis Date:		1/24/2011 8:18:27 PM	
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0								
Sample ID: LCS-25336		*LCS*				Batch ID:	**25336**	Analysis Date:		1/24/2011 7:18:13 PM	
Gasoline Range Organics (GRO)	25.65	mg/Kg	5.0	25	0	103	95.7	120			
Method: EPA Method 8021B: Volatiles											
Sample ID: MB-25336		*MBLK*				Batch ID:	**25336**	Analysis Date:		1/24/2011 8:18:27 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-25336		*LCS*				Batch ID:	**25336**	Analysis Date:		1/24/2011 7:48:20 PM	
Methyl tert-butyl ether (MTBE)	1.367	mg/Kg	0.10	1	0	137	65.5	229			
Benzene	1.059	mg/Kg	0.050	1	0	106	83.3	107			
Toluene	1.017	mg/Kg	0.050	1	0	102	74.3	115			
Ethylbenzene	1.081	mg/Kg	0.050	1	0	108	80.9	122			
Xylenes, Total	3.306	mg/Kg	0.10	3	0	110	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:** 1101584

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8081: Pesticides TCLP											
Sample ID: MB-25387		*MBLK*				Batch ID:	**25387**	Analysis Date:	1/27/2011 12:10:03 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-25387		*LCS*				Batch ID:	**25387**	Analysis Date:	1/27/2011 12:27:12 PM		
Endrin	0.0003000	mg/L	0.00010	0.0005	0	60.0	40.1	129			
gamma-BHC (Lindane)	0.0003670	mg/L	0.00010	0.0005	0	73.4	35.7	132			
Heptachlor	0.0002960	mg/L	0.00010	0.0005	0	59.2	32.8	124			
Heptachlor epoxide	0.0003500	mg/L	0.00010	0.0005	0	70.0	35.9	131			
Methoxychlor	0.0002760	mg/L	0.00010	0.0005	0	55.2	45.5	128			
Sample ID: LCSD-25387		*LCSD*				Batch ID:	**25387**	Analysis Date:	1/27/2011 12:44:24 PM		
Endrin	0.0003110	mg/L	0.00010	0.0005	0	62.2	40.1	129	3.60	20	
gamma-BHC (Lindane)	0.0003660	mg/L	0.00010	0.0005	0	73.2	35.7	132	0.273	20	
Heptachlor	0.0002990	mg/L	0.00010	0.0005	0	59.8	32.8	124	1.01	20	
Heptachlor epoxide	0.0003480	mg/L	0.00010	0.0005	0	69.6	35.9	131	0.573	20	
Methoxychlor	0.0002910	mg/L	0.00010	0.0005	0	58.2	45.5	128	5.29	20	
Method: EPA Method 8151: Herbicides TCLP											
Sample ID: MB-R43456		*MBLK*				Batch ID:	**R43456**	Analysis Date:	1/25/2011		
2,4,5-TP (Silvex)	ND	mg/L	0.10								
2,4-D	ND	mg/L	0.10								
Sample ID: LCS-R43456		*LCS*				Batch ID:	**R43456**	Analysis Date:	1/25/2011		
2,4,5-TP (Silvex)	0.002530	mg/L	0.0010	0.003	0	101	50	150			
2,4-D	0.009920	mg/L	0.0010	0.01	0	99.2	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:** 1101584

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: Volatiles by 8260B/1311											
Sample ID: 1101584-01BMSD		*MSD*				Batch ID:	**25362**	Analysis Date:		1/27/2011 8:11:40 AM	
Benzene	0.3794	mg/L	0.010	0.4	0	94.9	51.1	171	5.40	0	
Chlorobenzene	0.4075	mg/L	0.010	0.4	0	102	36.1	191	1.13	0	
1,1-Dichloroethene	0.3858	mg/L	0.010	0.4	0	96.5	49.1	162	3.68	0	
Trichloroethene (TCE)	0.3338	mg/L	0.010	0.4	0	83.5	41.2	166	1.54	0	
Sample ID: mb-25362		*MBLK*				Batch ID:	**25362**	Analysis Date:		1/26/2011 6:42:33 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-25362		*LCS*				Batch ID:	**25362**	Analysis Date:		1/26/2011 7:10:17 AM	
Benzene	0.4080	mg/L	0.010	0.4	0	102	51.1	171			
Chlorobenzene	0.4277	mg/L	0.010	0.4	0	107	36.1	191			
1,1-Dichloroethene	0.4017	mg/L	0.010	0.4	0	100	49.1	162			
Trichloroethene (TCE)	0.4484	mg/L	0.010	0.4	0	112	41.2	166			
Sample ID: 1101584-01BMS		*MS*				Batch ID:	**25362**	Analysis Date:		1/27/2011 7:43:58 AM	
Benzene	0.4005	mg/L	0.010	0.4	0	100	51.1	171			
Chlorobenzene	0.4029	mg/L	0.010	0.4	0	101	36.1	191			
1,1-Dichloroethene	0.4003	mg/L	0.010	0.4	0	100	49.1	162			
Trichloroethene (TCE)	0.3287	mg/L	0.010	0.4	0	82.2	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:** 1101584

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C TCLP											
Sample ID: mb-25386		*MBLK*				Batch ID:	**25386**	Analysis Date:	1/26/2011 1:18:23 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-25386		*LCS*				Batch ID:	**25386**	Analysis Date:	1/26/2011 1:47:26 PM		
2,4-Dinitrotoluene	0.06538	mg/L	0.010	0.1	0	65.4	21.5	129			
Hexachlorobenzene	0.05194	mg/L	0.010	0.1	0	51.9	26.2	83.3			
Hexachlorobutadiene	0.06988	mg/L	0.010	0.1	0	69.9	25.9	83.4			
Hexachloroethane	0.07334	mg/L	0.010	0.1	0	73.3	30.5	77.5			
Nitrobenzene	0.08198	mg/L	0.010	0.1	0	82.0	34.6	97.6			
Pentachlorophenol	0.06994	mg/L	0.010	0.1	0	69.9	13.3	88.7			
Pyridine	0.03880	mg/L	0.010	0.1	0	38.8	5.1	70.6			
2,4,5-Trichlorophenol	0.07034	mg/L	0.010	0.1	0	70.3	11.7	104			
2,4,6-Trichlorophenol	0.07420	mg/L	0.010	0.1	0	74.2	11.6	100			
Cresols, Total	0.1951	mg/L	0.010	0.3	0	65.0	29.6	87			
Sample ID: lcsd-25386		*LCSD*				Batch ID:	**25386**	Analysis Date:	1/26/2011 2:16:28 PM		
2,4-Dinitrotoluene	0.09726	mg/L	0.010	0.1	0	97.3	21.5	129	39.2	24.8	R
Hexachlorobenzene	0.04540	mg/L	0.010	0.1	0	45.4	26.2	83.3	13.4	26.7	
Hexachlorobutadiene	0.07556	mg/L	0.010	0.1	0	75.6	25.9	83.4	7.81	22.8	
Hexachloroethane	0.07270	mg/L	0.010	0.1	0	72.7	30.5	77.5	0.876	24.1	
Nitrobenzene	0.08076	mg/L	0.010	0.1	0	80.8	34.6	97.6	1.50	27.2	
Pentachlorophenol	0.09072	mg/L	0.010	0.1	0	90.7	13.3	88.7	25.9	51.6	S
Pyridine	0.02932	mg/L	0.010	0.1	0	29.3	5.1	70.6	27.8	31.5	
2,4,5-Trichlorophenol	0.08494	mg/L	0.010	0.1	0	84.9	11.7	104	18.8	43.5	
2,4,6-Trichlorophenol	0.08560	mg/L	0.010	0.1	0	85.6	11.6	100	14.3	47.6	
Cresols, Total	0.1757	mg/L	0.010	0.3	0	58.6	29.6	87	10.4	32.1	
Method: MERCURY, TCLP											
Sample ID: MB-25497		*MBLK*				Batch ID:	**25497**	Analysis Date:	2/2/2011 11:07:39 AM		
Mercury	ND	mg/L	0.020								
Sample ID: LCS-25497		*LCS*				Batch ID:	**25497**	Analysis Date:	2/2/2011 11:09:24 AM		
Mercury	ND	mg/L	0.020	0.005	0	91.8	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

QA/QC SUMMARY REPORT

Client: Shaw Environmental, Inc.
Project: KAFB BFF **Work Order:** 1101584

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: TCLP Metals											
Sample ID: MB-25406		*MBLK*				Batch ID:	**25406**	Analysis Date:	1/27/2011 5:33:37 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-25406		*LCS*				Batch ID:	**25406**	Analysis Date:	1/27/2011 5:36:03 PM		
Arsenic	ND	mg/L	5.0	0.5	0	117	80	120			
Barium	ND	mg/L	100	0.5	0	98.9	80	120			
Cadmium	ND	mg/L	1.0	0.5	0	111	80	120			
Chromium	ND	mg/L	5.0	0.5	0	103	80	120			
Lead	ND	mg/L	5.0	0.5	0	103	80	120			
Selenium	ND	mg/L	1.0	0.5	0	121	80	120			S
Silver	ND	mg/L	5.0	0.5	0	112	80	120			
Method: CYANIDE, Reactive											
Sample ID: MB-R43456		*MBLK*				Batch ID:	**R43456**	Analysis Date:	2/1/2011		
Reactive Cyanide	ND	mg/Kg	10								
Sample ID: LCS-R43456		*LCS*				Batch ID:	**R43456**	Analysis Date:	2/1/2011		
Reactive Cyanide	0.5230	mg/Kg	0.10	0.5	0	105	70	130			
Method: SULFIDE, Reactive											
Sample ID: MB-R43456		*MBLK*				Batch ID:	**R43456**	Analysis Date:	1/25/2011		
Reactive Sulfide	ND	mg/Kg	25								
Sample ID: LCS-R43456		*LCS*				Batch ID:	**R43456**	Analysis Date:	1/25/2011		
Reactive Sulfide	0.1800	mg/Kg	0.10	0.2	0	90.0	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: 1/19/2011

Work Order Number 1101584

Received by: AMG

Sample ID labels checked by: AT
Initials

Checklist completed by: [signature] 01/19/11
Signature Date

Matrix:

Carrier name: Client drop-off

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?	**16.5°**	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

16.5°

Shaw™ Shaw E & I

CHAIN OF CUSTODY

Ref. Document # 140705-106137 IDW7

Page 1 of 1

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

Project Contact: Pamela Moss (Name & phone #)

Shipment Date: 1/19/11
Waybill/Airbill Number: Hand Carry
Lab Destination: Hall Environmental
Lab Contact Name / ph. #: Hall Environmental

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

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/TPHG/TPHD								Turn Around Time Requested
1101584	106137 IDW1	Rolloff-Drill Cuttings	1/19/11	1358	C	SOL	3	8 oz.						X	X									10 d
-1	"	"	1/19/11	1358	C	SOL	1	4 oz.						X		X								10 d

Special Instructions:
8 oz. - Full TCLP/RCI
4 oz. - BTEX/TPHG/TPHD

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

Relinquished By	Date	Time	Received By	Date	Time
Kimberly Jones	1/19/11	1455	[signature]	1/19/11	1455

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