HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Friday, March 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.: 1103421

Dear Pamela Moss:

Hall Environmental Analysis Laboratory, Inc. received 7 sample(s) on 3/9/2011 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: *25-Mar-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106062IDW1
Lab Order:	1103421	**Collection Date:**	3/9/2011 2:45:00 PM
Project:	KAFB BFF	**Date Received:**	3/9/2011
Lab ID:	1103421-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8081: PESTICIDES TCLP						Analyst: **JDC**
Chlordane	ND	0.030		mg/L	1	3/22/2011 3:26:31 PM
Endrin	ND	0.020		mg/L	1	3/22/2011 3:26:31 PM
gamma-BHC (Lindane)	ND	0.40		mg/L	1	3/22/2011 3:26:31 PM
Heptachlor	ND	0.0080		mg/L	1	3/22/2011 3:26:31 PM
Heptachlor epoxide	ND	0.0080		mg/L	1	3/22/2011 3:26:31 PM
Methoxychlor	ND	10		mg/L	1	3/22/2011 3:26:31 PM
Toxaphene	ND	0.50		mg/L	1	3/22/2011 3:26:31 PM
Surr: Decachlorobiphenyl	118	39-142		%REC	1	3/22/2011 3:26:31 PM
Surr: Tetrachloro-m-xylene	97.6	38.7-136		%REC	1	3/22/2011 3:26:31 PM
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **JB**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/13/2011 8:42:28 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/13/2011 8:42:28 PM
Surr: DNOP	93.3	81.8-129		%REC	1	3/13/2011 8:42:28 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/16/2011 3:44:10 PM
Surr: BFB	96.4	89.7-125		%REC	1	3/16/2011 3:44:10 PM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	3/15/2011 11:32:56 PM
Benzene	ND	0.050		mg/Kg	1	3/15/2011 11:32:56 PM
Toluene	ND	0.050		mg/Kg	1	3/15/2011 11:32:56 PM
Ethylbenzene	ND	0.050		mg/Kg	1	3/15/2011 11:32:56 PM
Xylenes, Total	ND	0.10		mg/Kg	1	3/15/2011 11:32:56 PM
Surr: 4-Bromofluorobenzene	113	85.3-139		%REC	1	3/15/2011 11:32:56 PM
MERCURY, TCLP						Analyst: **ELS**
Mercury	ND	0.020		mg/L	1	3/18/2011 10:37:29 AM
EPA METHOD 6010B: TCLP METALS						Analyst: **ELS**
Arsenic	ND	5.0		mg/L	1	3/18/2011 9:39:08 AM
Barium	ND	100		mg/L	1	3/18/2011 9:39:08 AM
Cadmium	ND	1.0		mg/L	1	3/18/2011 9:39:08 AM
Chromium	ND	5.0		mg/L	1	3/18/2011 9:39:08 AM
Lead	ND	5.0		mg/L	1	3/18/2011 9:39:08 AM
Selenium	ND	1.0		mg/L	1	3/18/2011 9:39:08 AM
Silver	ND	5.0		mg/L	1	3/18/2011 9:39:08 AM
EPA METHOD 8270C TCLP						Analyst: **JDC**
2,4-Dinitrotoluene	ND	0.13		mg/L	1	3/20/2011 2:16:25 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-Mar-11*

CLIENT: Shaw Environmental, Inc.
Lab Order: 1103421
Project: KAFB BFF
Lab ID: 1103421-01

Client Sample ID: 106062IDW1
Collection Date: 3/9/2011 2:45:00 PM
Date Received: 3/9/2011
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C TCLP						Analyst: **JDC**
Hexachlorobenzene	ND	0.13		mg/L	1	3/20/2011 2:16:25 PM
Hexachlorobutadiene	ND	0.50		mg/L	1	3/20/2011 2:16:25 PM
Hexachloroethane	ND	3.0		mg/L	1	3/20/2011 2:16:25 PM
Nitrobenzene	ND	2.0		mg/L	1	3/20/2011 2:16:25 PM
Pentachlorophenol	ND	100		mg/L	1	3/20/2011 2:16:25 PM
Pyridine	ND	5.0		mg/L	1	3/20/2011 2:16:25 PM
2,4,5-Trichlorophenol	ND	400		mg/L	1	3/20/2011 2:16:25 PM
2,4,6-Trichlorophenol	ND	2.0		mg/L	1	3/20/2011 2:16:25 PM
Cresols, Total	ND	200		mg/L	1	3/20/2011 2:16:25 PM
Surr: 2,4,6-Tribromophenol	51.6	21.6-121		%REC	1	3/20/2011 2:16:25 PM
Surr: 2-Fluorobiphenyl	78.9	36.3-107		%REC	1	3/20/2011 2:16:25 PM
Surr: 2-Fluorophenol	67.7	7.63-90		%REC	1	3/20/2011 2:16:25 PM
Surr: 4-Terphenyl-d14	97.9	39-110		%REC	1	3/20/2011 2:16:25 PM
Surr: Nitrobenzene-d5	78.6	36.9-110		%REC	1	3/20/2011 2:16:25 PM
Surr: Phenol-d5	49.6	13.3-67.7		%REC	1	3/20/2011 2:16:25 PM
VOLATILES BY 8260B/1311						Analyst: **MMS**
Benzene	ND	0.50		mg/L	1	3/17/2011 1:34:18 PM
2-Butanone	ND	10		mg/L	1	3/17/2011 1:34:18 PM
Carbon Tetrachloride	ND	0.50		mg/L	1	3/17/2011 1:34:18 PM
Chlorobenzene	ND	100		mg/L	1	3/17/2011 1:34:18 PM
Chloroform	ND	6.0		mg/L	1	3/17/2011 1:34:18 PM
1,4-Dichlorobenzene	ND	7.5		mg/L	1	3/17/2011 1:34:18 PM
1,2-Dichloroethane (EDC)	ND	0.50		mg/L	1	3/17/2011 1:34:18 PM
1,1-Dichloroethene	ND	0.70		mg/L	1	3/17/2011 1:34:18 PM
Hexachlorobutadiene	ND	0.50		mg/L	1	3/17/2011 1:34:18 PM
Tetrachloroethene (PCE)	ND	0.70		mg/L	1	3/17/2011 1:34:18 PM
Trichloroethene (TCE)	ND	0.50		mg/L	1	3/17/2011 1:34:18 PM
Vinyl chloride	ND	0.20		mg/L	1	3/17/2011 1:34:18 PM
Surr: 1,2-Dichloroethane-d4	94.0	69.9-130		%REC	1	3/17/2011 1:34:18 PM
Surr: 4-Bromofluorobenzene	104	71.2-123		%REC	1	3/17/2011 1:34:18 PM
Surr: Dibromofluoromethane	144	73.9-134	S	%REC	1	3/17/2011 1:34:18 PM
Surr: Toluene-d8	95.0	81.9-122		%REC	1	3/17/2011 1:34:18 PM
EPA METHOD 8151: HERBICIDES TCLP						Analyst: **ANTE**
2,4,5-TP (Silvex)	ND	0.10		mg/L	1	3/16/2011
2,4-D	ND	0.10		mg/L	1	3/16/2011
CORROSIVITY						Analyst: **ANTE**
pH	8.7	0.10		pH Units	1	3/22/2011

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-Mar-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106062IDW1
Lab Order:	1103421	**Collection Date:**	3/9/2011 2:45:00 PM
Project:	KAFB BFF	**Date Received:**	3/9/2011
Lab ID:	1103421-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
IGNITABILITY METHOD 1010						Analyst: **ANTE**
Ignitability	Negative			°F	1	3/21/2011
CYANIDE, REACTIVE						Analyst: **ANTE**
Reactive Cyanide	ND	10		mg/Kg	1	3/22/2011
SULFIDE, REACTIVE						Analyst: **ANTE**
Reactive Sulfide	ND	15		mg/Kg	1	3/22/2011

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: *25-Mar-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106076IDW1
Lab Order:	1103421	**Collection Date:**	3/9/2011 2:30:00 PM
Project:	KAFB BFF	**Date Received:**	3/9/2011
Lab ID:	1103421-02	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8081: PESTICIDES TCLP						Analyst: **JDC**
Chlordane	ND	0.030		mg/L	1	3/22/2011 3:43:40 PM
Endrin	ND	0.020		mg/L	1	3/22/2011 3:43:40 PM
gamma-BHC (Lindane)	ND	0.40		mg/L	1	3/22/2011 3:43:40 PM
Heptachlor	ND	0.0080		mg/L	1	3/22/2011 3:43:40 PM
Heptachlor epoxide	ND	0.0080		mg/L	1	3/22/2011 3:43:40 PM
Methoxychlor	ND	10		mg/L	1	3/22/2011 3:43:40 PM
Toxaphene	ND	0.50		mg/L	1	3/22/2011 3:43:40 PM
Surr: Decachlorobiphenyl	105	39-142		%REC	1	3/22/2011 3:43:40 PM
Surr: Tetrachloro-m-xylene	78.9	38.7-136		%REC	1	3/22/2011 3:43:40 PM
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **JB**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/13/2011 9:16:23 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/13/2011 9:16:23 PM
Surr: DNOP	102	81.8-129		%REC	1	3/13/2011 9:16:23 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/16/2011 4:14:12 PM
Surr: BFB	89.2	89.7-125	S	%REC	1	3/16/2011 4:14:12 PM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	3/16/2011 12:02:55 AM
Benzene	ND	0.050		mg/Kg	1	3/16/2011 12:02:55 AM
Toluene	ND	0.050		mg/Kg	1	3/16/2011 12:02:55 AM
Ethylbenzene	ND	0.050		mg/Kg	1	3/16/2011 12:02:55 AM
Xylenes, Total	ND	0.10		mg/Kg	1	3/16/2011 12:02:55 AM
Surr: 4-Bromofluorobenzene	97.7	85.3-139		%REC	1	3/16/2011 12:02:55 AM
MERCURY, TCLP						Analyst: **ELS**
Mercury	ND	0.020		mg/L	1	3/18/2011 10:43:01 AM
EPA METHOD 6010B: TCLP METALS						Analyst: **ELS**
Arsenic	ND	5.0		mg/L	1	3/18/2011 9:43:56 AM
Barium	ND	100		mg/L	1	3/18/2011 9:43:56 AM
Cadmium	ND	1.0		mg/L	1	3/18/2011 9:43:56 AM
Chromium	ND	5.0		mg/L	1	3/18/2011 9:43:56 AM
Lead	ND	5.0		mg/L	1	3/18/2011 9:43:56 AM
Selenium	ND	1.0		mg/L	1	3/18/2011 9:43:56 AM
Silver	ND	5.0		mg/L	1	3/18/2011 9:43:56 AM
EPA METHOD 8270C TCLP						Analyst: **JDC**
2,4-Dinitrotoluene	ND	0.13		mg/L	1	3/20/2011 2:45:41 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: *25-Mar-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106076IDW1
Lab Order:	1103421	**Collection Date:**	3/9/2011 2:30:00 PM
Project:	KAFB BFF	**Date Received:**	3/9/2011
Lab ID:	1103421-02	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C TCLP						Analyst: **JDC**
Hexachlorobenzene	ND	0.13		mg/L	1	3/20/2011 2:45:41 PM
Hexachlorobutadiene	ND	0.50		mg/L	1	3/20/2011 2:45:41 PM
Hexachloroethane	ND	3.0		mg/L	1	3/20/2011 2:45:41 PM
Nitrobenzene	ND	2.0		mg/L	1	3/20/2011 2:45:41 PM
Pentachlorophenol	ND	100		mg/L	1	3/20/2011 2:45:41 PM
Pyridine	ND	5.0		mg/L	1	3/20/2011 2:45:41 PM
2,4,5-Trichlorophenol	ND	400		mg/L	1	3/20/2011 2:45:41 PM
2,4,6-Trichlorophenol	ND	2.0		mg/L	1	3/20/2011 2:45:41 PM
Cresols, Total	ND	200		mg/L	1	3/20/2011 2:45:41 PM
Surr: 2,4,6-Tribromophenol	52.3	21.6-121		%REC	1	3/20/2011 2:45:41 PM
Surr: 2-Fluorobiphenyl	74.0	36.3-107		%REC	1	3/20/2011 2:45:41 PM
Surr: 2-Fluorophenol	64.2	7.63-90		%REC	1	3/20/2011 2:45:41 PM
Surr: 4-Terphenyl-d14	86.1	39-110		%REC	1	3/20/2011 2:45:41 PM
Surr: Nitrobenzene-d5	75.8	36.9-110		%REC	1	3/20/2011 2:45:41 PM
Surr: Phenol-d5	47.3	13.3-67.7		%REC	1	3/20/2011 2:45:41 PM
VOLATILES BY 8260B/1311						Analyst: **MMS**
Benzene	ND	0.50		mg/L	1	3/17/2011 3:06:06 PM
2-Butanone	ND	10		mg/L	1	3/17/2011 3:06:06 PM
Carbon Tetrachloride	ND	0.50		mg/L	1	3/17/2011 3:06:06 PM
Chlorobenzene	ND	100		mg/L	1	3/17/2011 3:06:06 PM
Chloroform	ND	6.0		mg/L	1	3/17/2011 3:06:06 PM
1,4-Dichlorobenzene	ND	7.5		mg/L	1	3/17/2011 3:06:06 PM
1,2-Dichloroethane (EDC)	ND	0.50		mg/L	1	3/17/2011 3:06:06 PM
1,1-Dichloroethene	ND	0.70		mg/L	1	3/17/2011 3:06:06 PM
Hexachlorobutadiene	ND	0.50		mg/L	1	3/17/2011 3:06:06 PM
Tetrachloroethene (PCE)	ND	0.70		mg/L	1	3/17/2011 3:06:06 PM
Trichloroethene (TCE)	ND	0.50		mg/L	1	3/17/2011 3:06:06 PM
Vinyl chloride	ND	0.20		mg/L	1	3/17/2011 3:06:06 PM
Surr: 1,2-Dichloroethane-d4	93.6	69.9-130		%REC	1	3/17/2011 3:06:06 PM
Surr: 4-Bromofluorobenzene	95.5	71.2-123		%REC	1	3/17/2011 3:06:06 PM
Surr: Dibromofluoromethane	142	73.9-134	S	%REC	1	3/17/2011 3:06:06 PM
Surr: Toluene-d8	97.4	81.9-122		%REC	1	3/17/2011 3:06:06 PM
EPA METHOD 8151: HERBICIDES TCLP						Analyst: **ANTE**
2,4,5-TP (Silvex)	ND	0.10		mg/L	1	3/16/2011
2,4-D	ND	0.10		mg/L	1	3/16/2011
CORROSIVITY						Analyst: **ANTE**
pH	8.5	0.10		pH Units	1	3/22/2011

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-Mar-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106076IDW1
Lab Order:	1103421	**Collection Date:**	3/9/2011 2:30:00 PM
Project:	KAFB BFF	**Date Received:**	3/9/2011
Lab ID:	1103421-02	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
IGNITABILITY METHOD 1010						Analyst: **ANTE**
Ignitability	Negative			°F	1	3/21/2011
CYANIDE, REACTIVE						Analyst: **ANTE**
Reactive Cyanide	ND	10		mg/Kg	1	3/22/2011
SULFIDE, REACTIVE						Analyst: **ANTE**
Reactive Sulfide	ND	15		mg/Kg	1	3/22/2011

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: *25-Mar-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106117IDW1
Lab Order:	1103421	**Collection Date:**	3/9/2011 2:34:00 PM
Project:	KAFB BFF	**Date Received:**	3/9/2011
Lab ID:	1103421-03	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8081: PESTICIDES TCLP						Analyst: **JDC**
Chlordane	ND	0.030		mg/L	1	3/22/2011 4:00:50 PM
Endrin	ND	0.020		mg/L	1	3/22/2011 4:00:50 PM
gamma-BHC (Lindane)	ND	0.40		mg/L	1	3/22/2011 4:00:50 PM
Heptachlor	ND	0.0080		mg/L	1	3/22/2011 4:00:50 PM
Heptachlor epoxide	ND	0.0080		mg/L	1	3/22/2011 4:00:50 PM
Methoxychlor	ND	10		mg/L	1	3/22/2011 4:00:50 PM
Toxaphene	ND	0.50		mg/L	1	3/22/2011 4:00:50 PM
Surr: Decachlorobiphenyl	108	39-142		%REC	1	3/22/2011 4:00:50 PM
Surr: Tetrachloro-m-xylene	91.5	38.7-136		%REC	1	3/22/2011 4:00:50 PM
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **JB**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/13/2011 9:50:15 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/13/2011 9:50:15 PM
Surr: DNOP	92.1	81.8-129		%REC	1	3/13/2011 9:50:15 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/16/2011 12:33:03 AM
Surr: BFB	99.6	89.7-125		%REC	1	3/16/2011 12:33:03 AM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	3/16/2011 12:33:03 AM
Benzene	ND	0.050		mg/Kg	1	3/16/2011 12:33:03 AM
Toluene	ND	0.050		mg/Kg	1	3/16/2011 12:33:03 AM
Ethylbenzene	ND	0.050		mg/Kg	1	3/16/2011 12:33:03 AM
Xylenes, Total	ND	0.10		mg/Kg	1	3/16/2011 12:33:03 AM
Surr: 4-Bromofluorobenzene	106	85.3-139		%REC	1	3/16/2011 12:33:03 AM
MERCURY, TCLP						Analyst: **ELS**
Mercury	ND	0.020		mg/L	1	3/18/2011 10:44:50 AM
EPA METHOD 6010B: TCLP METALS						Analyst: **ELS**
Arsenic	ND	5.0		mg/L	1	3/18/2011 9:50:21 AM
Barium	ND	100		mg/L	1	3/18/2011 9:50:21 AM
Cadmium	ND	1.0		mg/L	1	3/18/2011 9:50:21 AM
Chromium	ND	5.0		mg/L	1	3/18/2011 9:50:21 AM
Lead	ND	5.0		mg/L	1	3/18/2011 9:50:21 AM
Selenium	ND	1.0		mg/L	1	3/18/2011 9:50:21 AM
Silver	ND	5.0		mg/L	1	3/18/2011 9:50:21 AM
EPA METHOD 8270C TCLP						Analyst: **JDC**
2,4-Dinitrotoluene	ND	0.13		mg/L	1	3/20/2011 3:15:10 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: *25-Mar-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106117IDW1
Lab Order:	1103421	**Collection Date:**	3/9/2011 2:34:00 PM
Project:	KAFB BFF	**Date Received:**	3/9/2011
Lab ID:	1103421-03	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C TCLP						Analyst: **JDC**
Hexachlorobenzene	ND	0.13		mg/L	1	3/20/2011 3:15:10 PM
Hexachlorobutadiene	ND	0.50		mg/L	1	3/20/2011 3:15:10 PM
Hexachloroethane	ND	3.0		mg/L	1	3/20/2011 3:15:10 PM
Nitrobenzene	ND	2.0		mg/L	1	3/20/2011 3:15:10 PM
Pentachlorophenol	ND	100		mg/L	1	3/20/2011 3:15:10 PM
Pyridine	ND	5.0		mg/L	1	3/20/2011 3:15:10 PM
2,4,5-Trichlorophenol	ND	400		mg/L	1	3/20/2011 3:15:10 PM
2,4,6-Trichlorophenol	ND	2.0		mg/L	1	3/20/2011 3:15:10 PM
Cresols, Total	ND	200		mg/L	1	3/20/2011 3:15:10 PM
Surr: 2,4,6-Tribromophenol	63.0	21.6-121		%REC	1	3/20/2011 3:15:10 PM
Surr: 2-Fluorobiphenyl	83.8	36.3-107		%REC	1	3/20/2011 3:15:10 PM
Surr: 2-Fluorophenol	71.1	7.63-90		%REC	1	3/20/2011 3:15:10 PM
Surr: 4-Terphenyl-d14	95.6	39-110		%REC	1	3/20/2011 3:15:10 PM
Surr: Nitrobenzene-d5	85.6	36.9-110		%REC	1	3/20/2011 3:15:10 PM
Surr: Phenol-d5	50.7	13.3-67.7		%REC	1	3/20/2011 3:15:10 PM
VOLATILES BY 8260B/1311						Analyst: **MMS**
Benzene	ND	0.50		mg/L	1	3/17/2011 3:34:16 PM
2-Butanone	ND	10		mg/L	1	3/17/2011 3:34:16 PM
Carbon Tetrachloride	ND	0.50		mg/L	1	3/17/2011 3:34:16 PM
Chlorobenzene	ND	100		mg/L	1	3/17/2011 3:34:16 PM
Chloroform	ND	6.0		mg/L	1	3/17/2011 3:34:16 PM
1,4-Dichlorobenzene	ND	7.5		mg/L	1	3/17/2011 3:34:16 PM
1,2-Dichloroethane (EDC)	ND	0.50		mg/L	1	3/17/2011 3:34:16 PM
1,1-Dichloroethene	ND	0.70		mg/L	1	3/17/2011 3:34:16 PM
Hexachlorobutadiene	ND	0.50		mg/L	1	3/17/2011 3:34:16 PM
Tetrachloroethene (PCE)	ND	0.70		mg/L	1	3/17/2011 3:34:16 PM
Trichloroethene (TCE)	ND	0.50		mg/L	1	3/17/2011 3:34:16 PM
Vinyl chloride	ND	0.20		mg/L	1	3/17/2011 3:34:16 PM
Surr: 1,2-Dichloroethane-d4	89.0	69.9-130		%REC	1	3/17/2011 3:34:16 PM
Surr: 4-Bromofluorobenzene	98.2	71.2-123		%REC	1	3/17/2011 3:34:16 PM
Surr: Dibromofluoromethane	135	73.9-134	S	%REC	1	3/17/2011 3:34:16 PM
Surr: Toluene-d8	94.4	81.9-122		%REC	1	3/17/2011 3:34:16 PM
EPA METHOD 8151: HERBICIDES TCLP						Analyst: **ANTE**
2,4,5-TP (Silvex)	ND	0.10		mg/L	1	3/16/2011
2,4-D	ND	0.10		mg/L	1	3/16/2011
CORROSIVITY						Analyst: **ANTE**
pH	8.7	0.10		pH Units	1	3/22/2011

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: *25-Mar-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106117IDW1
Lab Order:	1103421	**Collection Date:**	3/9/2011 2:34:00 PM
Project:	KAFB BFF	**Date Received:**	3/9/2011
Lab ID:	1103421-03	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
IGNITABILITY METHOD 1010						Analyst: **ANTE**
Ignitability	Negative			°F	1	3/21/2011
CYANIDE, REACTIVE						Analyst: **ANTE**
Reactive Cyanide	ND	10		mg/Kg	1	3/22/2011
SULFIDE, REACTIVE						Analyst: **ANTE**
Reactive Sulfide	ND	15		mg/Kg	1	3/22/2011

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: *25-Mar-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106117IDW2
Lab Order:	1103421	**Collection Date:**	3/9/2011 2:37:00 PM
Project:	KAFB BFF	**Date Received:**	3/9/2011
Lab ID:	1103421-04	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8081: PESTICIDES TCLP						Analyst: **JDC**
Chlordane	ND	0.030		mg/L	1	3/22/2011 4:18:00 PM
Endrin	ND	0.020		mg/L	1	3/22/2011 4:18:00 PM
gamma-BHC (Lindane)	ND	0.40		mg/L	1	3/22/2011 4:18:00 PM
Heptachlor	ND	0.0080		mg/L	1	3/22/2011 4:18:00 PM
Heptachlor epoxide	ND	0.0080		mg/L	1	3/22/2011 4:18:00 PM
Methoxychlor	ND	10		mg/L	1	3/22/2011 4:18:00 PM
Toxaphene	ND	0.50		mg/L	1	3/22/2011 4:18:00 PM
Surr: Decachlorobiphenyl	114	39-142		%REC	1	3/22/2011 4:18:00 PM
Surr: Tetrachloro-m-xylene	105	38.7-136		%REC	1	3/22/2011 4:18:00 PM
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **JB**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/14/2011 8:14:44 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/14/2011 8:14:44 AM
Surr: DNOP	99.0	81.8-129		%REC	1	3/14/2011 8:14:44 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/16/2011 1:03:09 AM
Surr: BFB	100	89.7-125		%REC	1	3/16/2011 1:03:09 AM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	3/16/2011 1:03:09 AM
Benzene	ND	0.050		mg/Kg	1	3/16/2011 1:03:09 AM
Toluene	ND	0.050		mg/Kg	1	3/16/2011 1:03:09 AM
Ethylbenzene	ND	0.050		mg/Kg	1	3/16/2011 1:03:09 AM
Xylenes, Total	ND	0.10		mg/Kg	1	3/16/2011 1:03:09 AM
Surr: 4-Bromofluorobenzene	108	85.3-139		%REC	1	3/16/2011 1:03:09 AM
MERCURY, TCLP						Analyst: **ELS**
Mercury	ND	0.020		mg/L	1	3/18/2011 10:46:39 AM
EPA METHOD 6010B: TCLP METALS						Analyst: **ELS**
Arsenic	ND	5.0		mg/L	1	3/18/2011 9:55:11 AM
Barium	ND	100		mg/L	1	3/18/2011 9:55:11 AM
Cadmium	ND	1.0		mg/L	1	3/18/2011 9:55:11 AM
Chromium	ND	5.0		mg/L	1	3/18/2011 9:55:11 AM
Lead	ND	5.0		mg/L	1	3/18/2011 9:55:11 AM
Selenium	ND	1.0		mg/L	1	3/18/2011 9:55:11 AM
Silver	ND	5.0		mg/L	1	3/18/2011 9:55:11 AM
EPA METHOD 8270C TCLP						Analyst: **JDC**
2,4-Dinitrotoluene	ND	0.13		mg/L	1	3/20/2011 4:43:48 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-Mar-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106117IDW2
Lab Order:	1103421	**Collection Date:**	3/9/2011 2:37:00 PM
Project:	KAFB BFF	**Date Received:**	3/9/2011
Lab ID:	1103421-04	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C TCLP						Analyst: **JDC**
Hexachlorobenzene	ND	0.13		mg/L	1	3/20/2011 4:43:48 PM
Hexachlorobutadiene	ND	0.50		mg/L	1	3/20/2011 4:43:48 PM
Hexachloroethane	ND	3.0		mg/L	1	3/20/2011 4:43:48 PM
Nitrobenzene	ND	2.0		mg/L	1	3/20/2011 4:43:48 PM
Pentachlorophenol	ND	100		mg/L	1	3/20/2011 4:43:48 PM
Pyridine	ND	5.0		mg/L	1	3/20/2011 4:43:48 PM
2,4,5-Trichlorophenol	ND	400		mg/L	1	3/20/2011 4:43:48 PM
2,4,6-Trichlorophenol	ND	2.0		mg/L	1	3/20/2011 4:43:48 PM
Cresols, Total	ND	200		mg/L	1	3/20/2011 4:43:48 PM
Surr: 2,4,6-Tribromophenol	49.5	21.6-121		%REC	1	3/20/2011 4:43:48 PM
Surr: 2-Fluorobiphenyl	65.9	36.3-107		%REC	1	3/20/2011 4:43:48 PM
Surr: 2-Fluorophenol	44.8	7.63-90		%REC	1	3/20/2011 4:43:48 PM
Surr: 4-Terphenyl-d14	84.2	39-110		%REC	1	3/20/2011 4:43:48 PM
Surr: Nitrobenzene-d5	63.3	36.9-110		%REC	1	3/20/2011 4:43:48 PM
Surr: Phenol-d5	37.5	13.3-67.7		%REC	1	3/20/2011 4:43:48 PM
VOLATILES BY 8260B/1311						Analyst: **MMS**
Benzene	ND	0.50		mg/L	1	3/17/2011 4:02:33 PM
2-Butanone	ND	10		mg/L	1	3/17/2011 4:02:33 PM
Carbon Tetrachloride	ND	0.50		mg/L	1	3/17/2011 4:02:33 PM
Chlorobenzene	ND	100		mg/L	1	3/17/2011 4:02:33 PM
Chloroform	ND	6.0		mg/L	1	3/17/2011 4:02:33 PM
1,4-Dichlorobenzene	ND	7.5		mg/L	1	3/17/2011 4:02:33 PM
1,2-Dichloroethane (EDC)	ND	0.50		mg/L	1	3/17/2011 4:02:33 PM
1,1-Dichloroethene	ND	0.70		mg/L	1	3/17/2011 4:02:33 PM
Hexachlorobutadiene	ND	0.50		mg/L	1	3/17/2011 4:02:33 PM
Tetrachloroethene (PCE)	ND	0.70		mg/L	1	3/17/2011 4:02:33 PM
Trichloroethene (TCE)	ND	0.50		mg/L	1	3/17/2011 4:02:33 PM
Vinyl chloride	ND	0.20		mg/L	1	3/17/2011 4:02:33 PM
Surr: 1,2-Dichloroethane-d4	91.1	69.9-130		%REC	1	3/17/2011 4:02:33 PM
Surr: 4-Bromofluorobenzene	98.5	71.2-123		%REC	1	3/17/2011 4:02:33 PM
Surr: Dibromofluoromethane	137	73.9-134	S	%REC	1	3/17/2011 4:02:33 PM
Surr: Toluene-d8	96.8	81.9-122		%REC	1	3/17/2011 4:02:33 PM
EPA METHOD 8151: HERBICIDES TCLP						Analyst: **ANTE**
2,4,5-TP (Silvex)	ND	0.10		mg/L	1	3/16/2011
2,4-D	ND	0.10		mg/L	1	3/16/2011
CORROSIVITY						Analyst: **ANTE**
pH	8.7	0.10		pH Units	1	3/22/2011

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: *25-Mar-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106117IDW2
Lab Order:	1103421	**Collection Date:**	3/9/2011 2:37:00 PM
Project:	KAFB BFF	**Date Received:**	3/9/2011
Lab ID:	1103421-04	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
IGNITABILITY METHOD 1010						Analyst: **ANTE**
Ignitability	Negative			°F	1	3/21/2011
CYANIDE, REACTIVE						Analyst: **ANTE**
Reactive Cyanide	ND	10		mg/Kg	1	3/22/2011
SULFIDE, REACTIVE						Analyst: **ANTE**
Reactive Sulfide	ND	15		mg/Kg	1	3/22/2011

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: *25-Mar-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106128WW1
Lab Order:	1103421	**Collection Date:**	3/9/2011 2:40:00 PM
Project:	KAFB BFF	**Date Received:**	3/9/2011
Lab ID:	1103421-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	1.8	1.0		mg/L	1	3/11/2011 12:49:29 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/11/2011 12:49:29 AM
Surr: DNOP	110	86.9-151		%REC	1	3/11/2011 12:49:29 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	0.25	0.050		mg/L	1	3/11/2011 6:36:51 PM
Surr: BFB	93.6	79.4-132		%REC	1	3/11/2011 6:36:51 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Lead	0.011	0.0050		mg/L	1	3/16/2011 12:22:20 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Acenaphthylene	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Aniline	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Anthracene	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Azobenzene	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Benz(a)anthracene	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Benzo(a)pyrene	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Benzyl alcohol	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Bis(2-ethylhexyl)phthalate	11	10		µg/L	1	3/21/2011 4:03:43 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Butyl benzyl phthalate	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Carbazole	ND	10		µg/L	1	3/21/2011 4:03:43 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	3/21/2011 4:03:43 PM
4-Chloroaniline	ND	10		µg/L	1	3/21/2011 4:03:43 PM
2-Chloronaphthalene	ND	10		µg/L	1	3/21/2011 4:03:43 PM
2-Chlorophenol	ND	10		µg/L	1	3/21/2011 4:03:43 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Chrysene	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Di-n-butyl phthalate	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Di-n-octyl phthalate	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Dibenzofuran	ND	10		µg/L	1	3/21/2011 4:03:43 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	3/21/2011 4:03:43 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: *25-Mar-11*

CLIENT: Shaw Environmental, Inc.
Lab Order: 1103421
Project: KAFB BFF
Lab ID: 1103421-05

Client Sample ID: 106128WW1
Collection Date: 3/9/2011 2:40:00 PM
Date Received: 3/9/2011
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
1,3-Dichlorobenzene	ND	10		µg/L	1	3/21/2011 4:03:43 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	3/21/2011 4:03:43 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Diethyl phthalate	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Dimethyl phthalate	ND	10		µg/L	1	3/21/2011 4:03:43 PM
2,4-Dichlorophenol	ND	20		µg/L	1	3/21/2011 4:03:43 PM
2,4-Dimethylphenol	ND	10		µg/L	1	3/21/2011 4:03:43 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	3/21/2011 4:03:43 PM
2,4-Dinitrophenol	ND	20		µg/L	1	3/21/2011 4:03:43 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	3/21/2011 4:03:43 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Fluoranthene	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Fluorene	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Hexachlorobenzene	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Hexachlorobutadiene	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Hexachloroethane	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Isophorone	ND	10		µg/L	1	3/21/2011 4:03:43 PM
2-Methylnaphthalene	ND	10		µg/L	1	3/21/2011 4:03:43 PM
2-Methylphenol	ND	10		µg/L	1	3/21/2011 4:03:43 PM
3+4-Methylphenol	ND	10		µg/L	1	3/21/2011 4:03:43 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	3/21/2011 4:03:43 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	3/21/2011 4:03:43 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Naphthalene	ND	10		µg/L	1	3/21/2011 4:03:43 PM
2-Nitroaniline	ND	10		µg/L	1	3/21/2011 4:03:43 PM
3-Nitroaniline	ND	10		µg/L	1	3/21/2011 4:03:43 PM
4-Nitroaniline	ND	20		µg/L	1	3/21/2011 4:03:43 PM
Nitrobenzene	ND	10		µg/L	1	3/21/2011 4:03:43 PM
2-Nitrophenol	ND	10		µg/L	1	3/21/2011 4:03:43 PM
4-Nitrophenol	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Pentachlorophenol	ND	20		µg/L	1	3/21/2011 4:03:43 PM
Phenanthrene	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Phenol	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Pyrene	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Pyridine	ND	10		µg/L	1	3/21/2011 4:03:43 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	3/21/2011 4:03:43 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	3/21/2011 4:03:43 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	3/21/2011 4:03:43 PM
Surr: 2,4,6-Tribromophenol	36.1	17.5-104		%REC	1	3/21/2011 4:03:43 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: *25-Mar-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106128WW1
Lab Order:	1103421	**Collection Date:**	3/9/2011 2:40:00 PM
Project:	KAFB BFF	**Date Received:**	3/9/2011
Lab ID:	1103421-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: 2-Fluorobiphenyl	63.0	30.9-98.9		%REC	1	3/21/2011 4:03:43 PM
Surr: 2-Fluorophenol	28.3	12.4-90.1		%REC	1	3/21/2011 4:03:43 PM
Surr: 4-Terphenyl-d14	68.6	43.5-91.9		%REC	1	3/21/2011 4:03:43 PM
Surr: Nitrobenzene-d5	68.5	26.2-108		%REC	1	3/21/2011 4:03:43 PM
Surr: Phenol-d5	38.0	11.8-73.1		%REC	1	3/21/2011 4:03:43 PM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
Toluene	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
Ethylbenzene	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
Naphthalene	ND	2.0		µg/L	1	3/11/2011 6:29:06 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/11/2011 6:29:06 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/11/2011 6:29:06 AM
Acetone	16	10		µg/L	1	3/11/2011 6:29:06 AM
Bromobenzene	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
Bromodichloromethane	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
Bromoform	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
Bromomethane	ND	3.0		µg/L	1	3/11/2011 6:29:06 AM
2-Butanone	12	10		µg/L	1	3/11/2011 6:29:06 AM
Carbon disulfide	ND	10		µg/L	1	3/11/2011 6:29:06 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
Chlorobenzene	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
Chloroethane	ND	2.0		µg/L	1	3/11/2011 6:29:06 AM
Chloroform	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
Chloromethane	ND	3.0		µg/L	1	3/11/2011 6:29:06 AM
2-Chlorotoluene	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
4-Chlorotoluene	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
cis-1,2-DCE	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/11/2011 6:29:06 AM
Dibromochloromethane	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
Dibromomethane	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM

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-Mar-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106128WW1
Lab Order:	1103421	**Collection Date:**	3/9/2011 2:40:00 PM
Project:	KAFB BFF	**Date Received:**	3/9/2011
Lab ID:	1103421-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
1,1-Dichloroethane	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/11/2011 6:29:06 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
2-Hexanone	ND	10		µg/L	1	3/11/2011 6:29:06 AM
Isopropylbenzene	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/11/2011 6:29:06 AM
Methylene Chloride	ND	3.0		µg/L	1	3/11/2011 6:29:06 AM
n-Butylbenzene	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
n-Propylbenzene	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
sec-Butylbenzene	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
Styrene	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
tert-Butylbenzene	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/11/2011 6:29:06 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
trans-1,2-DCE	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/11/2011 6:29:06 AM
Vinyl chloride	ND	1.0		µg/L	1	3/11/2011 6:29:06 AM
Xylenes, Total	ND	1.5		µg/L	1	3/11/2011 6:29:06 AM
Surr: 1,2-Dichloroethane-d4	107	65.8-138		%REC	1	3/11/2011 6:29:06 AM
Surr: 4-Bromofluorobenzene	147	72.7-128	S	%REC	1	3/11/2011 6:29:06 AM
Surr: Dibromofluoromethane	111	69-135		%REC	1	3/11/2011 6:29:06 AM
Surr: Toluene-d8	112	86.1-134		%REC	1	3/11/2011 6:29:06 AM

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: 1103421

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range Organics											
Sample ID: MB-25937		*MBLK*				Batch ID:	**25937**	Analysis Date:		3/13/2011 3:03:47 PM	
Diesel Range Organics (DRO)	ND	mg/Kg	10								
Motor Oil Range Organics (MRO)	ND	mg/Kg	50								
Sample ID: LCS-25937		*LCS*				Batch ID:	**25937**	Analysis Date:		3/13/2011 3:37:44 PM	
Diesel Range Organics (DRO)	49.90	mg/Kg	10	50	0	99.8	66.2	120			
Sample ID: LCSD-25937		*LCSD*				Batch ID:	**25937**	Analysis Date:		3/13/2011 4:11:36 PM	
Diesel Range Organics (DRO)	50.99	mg/Kg	10	50	0	102	66.2	120	2.16	14.3	
Method: EPA Method 8015B: Diesel Range											
Sample ID: 1103421-05BMSD		*MSD*				Batch ID:	**25920**	Analysis Date:		3/11/2011 1:56:43 AM	
Diesel Range Organics (DRO)	5.274	mg/L	1.0	5	1.821	69.1	70	130	19.9	20	S
Sample ID: MB-25920		*MBLK*				Batch ID:	**25920**	Analysis Date:		3/10/2011 3:48:17 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-25920		*LCS*				Batch ID:	**25920**	Analysis Date:		3/10/2011 4:22:09 PM	
Diesel Range Organics (DRO)	6.012	mg/L	1.0	5	0	120	74	157			
Sample ID: LCSD-25920		*LCSD*				Batch ID:	**25920**	Analysis Date:		3/10/2011 4:56:03 PM	
Diesel Range Organics (DRO)	5.785	mg/L	1.0	5	0	116	74	157	3.85	23	
Sample ID: 1103421-05BMS		*MS*				Batch ID:	**25920**	Analysis Date:		3/11/2011 1:23:05 AM	
Diesel Range Organics (DRO)	6.441	mg/L	1.0	5	1.821	92.4	70	130			
Method: EPA Method 8015B: Gasoline Range											
Sample ID: MB-25932		*MBLK*				Batch ID:	**25932**	Analysis Date:		3/15/2011 5:56:51 PM	
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0								
Sample ID: LCS-25932		*LCS*				Batch ID:	**25932**	Analysis Date:		3/15/2011 5:26:56 PM	
Gasoline Range Organics (GRO)	24.37	mg/Kg	5.0	25	0	97.5	88.8	124			
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R44083**	Analysis Date:		3/11/2011 9:01:51 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R44083**	Analysis Date:		3/11/2011 7:05:38 PM	
Gasoline Range Organics (GRO)	0.5796	mg/L	0.050	0.5	0	116	81.8	120			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R44059**	Analysis Date:		3/11/2011 3:44:56 AM	
Gasoline Range Organics (GRO)	0.5500	mg/L	0.050	0.5	0	110	81.8	120	14.5	17.1	
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R44083**	Analysis Date:		3/11/2011 7:34:26 PM	
Gasoline Range Organics (GRO)	0.5338	mg/L	0.050	0.5	0	107	81.8	120	8.23	17.1	

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: 1103421

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles											
Sample ID: 1103421-01A MSD		*MSD*				Batch ID:	**25932**	Analysis Date:		3/16/2011 4:03:18 AM	
Methyl tert-butyl ether (MTBE)	ND	mg/Kg	0.10	1	0	0	61.3	215	0	19.6	S
Benzene	0.3622	mg/Kg	0.050	1	0	36.2	67.2	113	0.441	14.3	S
Toluene	1.826	mg/Kg	0.050	1	0	183	62.1	116	3.25	15.9	S
Ethylbenzene	0.3844	mg/Kg	0.050	1	0	38.4	67.9	127	1.16	14.4	S
Xylenes, Total	2.160	mg/Kg	0.10	3	0	72.0	60.6	134	2.81	12.6	
Sample ID: MB-25932		*MBLK*				Batch ID:	**25932**	Analysis Date:		3/15/2011 5:56:51 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-25932		*LCS*				Batch ID:	**25932**	Analysis Date:		3/15/2011 5:56:49 PM	
Methyl tert-butyl ether (MTBE)	1.007	mg/Kg	0.10	1	0	101	65.5	229			
Benzene	1.007	mg/Kg	0.050	1	0	101	83.3	107			
Toluene	0.9556	mg/Kg	0.050	1	0.0063	94.9	74.3	115			
Ethylbenzene	1.025	mg/Kg	0.050	1	0	103	80.9	122			
Xylenes, Total	3.194	mg/Kg	0.10	3	0	106	85.2	123			
Sample ID: 1103421-01A MS		*MS*				Batch ID:	**25932**	Analysis Date:		3/16/2011 3:33:15 AM	
Methyl tert-butyl ether (MTBE)	ND	mg/Kg	0.10	1	0	0	61.3	215			S
Benzene	0.3638	mg/Kg	0.050	1	0	36.4	67.2	113			S
Toluene	1.886	mg/Kg	0.050	1	0	189	62.1	116			S
Ethylbenzene	0.3889	mg/Kg	0.050	1	0	38.9	67.9	127			S
Xylenes, Total	2.222	mg/Kg	0.10	3	0	74.1	60.6	134			
Method: EPA Method 8081: Pesticides TCLP											
Sample ID: MB-26023		*MBLK*				Batch ID:	**26023**	Analysis Date:		3/22/2011 2:52:09 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-26023		*LCS*				Batch ID:	**26023**	Analysis Date:		3/22/2011 3:09:19 PM	
Endrin	0.0005250	mg/L	0.00010	0.0005	0	105	40.1	129			
gamma-BHC (Lindane)	0.0004050	mg/L	0.00010	0.0005	0	81.0	35.7	132			
Heptachlor	0.0004250	mg/L	0.00010	0.0005	0	85.0	32.8	124			
Heptachlor epoxide	0.0003990	mg/L	0.00010	0.0005	0	79.8	35.9	131			
Methoxychlor	0.0005120	mg/L	0.00010	0.0005	0	102	45.5	128			

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: 1103421

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8151: Herbicides TCLP											
Sample ID: MB-R44334		*MBLK*				Batch ID:	**R44334**	Analysis Date:			3/15/2011
2,4,5-TP (Silvex)	ND	mg/L	0.10								
2,4-D	ND	mg/L	0.10								
Sample ID: LCS-R44334		*LCS*				Batch ID:	**R44334**	Analysis Date:			3/15/2011
2,4,5-TP (Silvex)	0.002290	mg/L	0.0010	0.003	0	91.6	50	150			
2,4-D	0.009250	mg/L	0.0010	0.01	0	92.5	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: 1103421

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*					Batch ID: **R44116**		Analysis Date:	3/10/2011 10:20:58 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

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:** 1103421

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*				Batch ID:	**R44116**	Analysis Date:	3/10/2011 10:20:58 AM		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b4		*MBLK*				Batch ID:	**R44116**	Analysis Date:	3/10/2011 10:40:23 PM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								

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:** 1103421

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b4		*MBLK*				Batch ID:	**R44116**	Analysis Date:	3/10/2011 10:40:23 PM		
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 5ml-rb		*MBLK*				Batch ID:	**R44155**	Analysis Date:	3/11/2011 9:17:15 AM		

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:** 1103421

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*				Batch ID:	**R44155**	Analysis Date:	3/11/2011 9:17:15 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

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: 1103421

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*				Batch ID:	**R44155**	Analysis Date:	3/11/2011 9:17:15 AM		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R44116**	Analysis Date:	3/10/2011 11:17:10 AM		
Benzene	22.54	µg/L	1.0	20	0	113	85.2	121			
Toluene	22.61	µg/L	1.0	20	0	113	88.3	121			
Chlorobenzene	23.16	µg/L	1.0	20	0	116	91.9	110			S
1,1-Dichloroethene	24.08	µg/L	1.0	20	0	120	91.5	134			
Trichloroethene (TCE)	21.64	µg/L	1.0	20	0	108	78.3	102			S
Sample ID: 100ng lcs2		*LCS*				Batch ID:	**R44116**	Analysis Date:	3/10/2011 11:32:06 PM		
Benzene	21.81	µg/L	1.0	20	0	109	85.2	121			
Toluene	20.92	µg/L	1.0	20	0	105	88.3	121			
Chlorobenzene	22.00	µg/L	1.0	20	0	110	91.9	110			
1,1-Dichloroethene	23.80	µg/L	1.0	20	0	119	91.5	134			
Trichloroethene (TCE)	20.98	µg/L	1.0	20	0	105	78.3	102			S
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R44155**	Analysis Date:	3/11/2011 10:10:31 AM		
Benzene	21.41	µg/L	1.0	20	0	107	85.2	121			
Toluene	22.98	µg/L	1.0	20	0	115	88.3	121			
Chlorobenzene	22.84	µg/L	1.0	20	0	114	91.9	110			S
1,1-Dichloroethene	21.17	µg/L	1.0	20	0	106	91.5	134			
Trichloroethene (TCE)	21.38	µg/L	1.0	20	0	107	78.3	102			S

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: 1103421

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: Volatiles by 8260B/1311											
Sample ID: 1103421-01BMSD		*MSD*				Batch ID:	**25958**	Analysis Date:		3/17/2011 2:30:58 PM	
Benzene	0.3840	mg/L	0.010	0.4	0	96.0	51.1	171	1.08	0	
Chlorobenzene	0.3804	mg/L	0.010	0.4	0.0048	93.9	36.1	191	1.27	0	
1,1-Dichloroethene	0.3830	mg/L	0.010	0.4	0	95.7	49.1	162	0.292	0	
Trichloroethene (TCE)	0.3379	mg/L	0.010	0.4	0	84.5	41.2	166	0.510	0	
Sample ID: mb-25958		*MBLK*				Batch ID:	**25958**	Analysis Date:		3/17/2011 12:09:32 PM	
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-25958		*LCS*				Batch ID:	**25958**	Analysis Date:		3/17/2011 12:37:39 PM	
Benzene	0.3563	mg/L	0.010	0.4	0	89.1	51.1	171			
Chlorobenzene	0.3868	mg/L	0.010	0.4	0	96.7	36.1	191			
1,1-Dichloroethene	0.3741	mg/L	0.010	0.4	0	93.5	49.1	162			
Trichloroethene (TCE)	0.3211	mg/L	0.010	0.4	0	80.3	41.2	166			
Sample ID: 1103421-01BMS		*MS*				Batch ID:	**25958**	Analysis Date:		3/17/2011 2:02:40 PM	
Benzene	0.3799	mg/L	0.010	0.4	0	95.0	51.1	171			
Chlorobenzene	0.3853	mg/L	0.010	0.4	0.0048	95.1	36.1	191			
1,1-Dichloroethene	0.3818	mg/L	0.010	0.4	0	95.5	49.1	162			
Trichloroethene (TCE)	0.3396	mg/L	0.010	0.4	0	84.9	41.2	166			

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: 1103421

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-25940		*MBLK*				Batch ID:	**25940**	Analysis Date:	3/21/2011 12:35:06 PM		
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

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: 1103421

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-25940		*MBLK*				Batch ID:	**25940**	Analysis Date:	3/21/2011 12:35:06 PM		
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
Pentachlorophenol	ND	µg/L	20								
Phenanthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	10								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-25940		*LCS*				Batch ID:	**25940**	Analysis Date:	3/21/2011 1:04:36 PM		
Acenaphthene	89.96	µg/L	10	100	0	90.0	31	99.4			
4-Chloro-3-methylphenol	87.64	µg/L	10	100	0	87.6	34.3	111			
2-Chlorophenol	79.64	µg/L	10	100	0	79.6	24.1	98.7			
1,4-Dichlorobenzene	63.38	µg/L	10	100	0	63.4	20.6	85.6			
2,4-Dinitrotoluene	78.72	µg/L	10	100	0	78.7	26.6	126			
N-Nitrosodi-n-propylamine	77.80	µg/L	10	100	0	77.8	29.2	94.4			
4-Nitrophenol	65.54	µg/L	10	100	0	65.5	9.87	86			
Pentachlorophenol	81.68	µg/L	20	100	0	81.7	20	97.8			
Phenol	55.14	µg/L	10	100	0	55.1	17.5	60.5			
Pyrene	79.62	µg/L	10	100	0	79.6	46.8	92.2			
1,2,4-Trichlorobenzene	71.44	µg/L	10	100	0	71.4	25.2	92.3			

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: 1103421

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C TCLP											
Sample ID: 1103421-03Bmsd		*MSD*				Batch ID:	**26024**	Analysis Date:		3/20/2011 4:14:16 PM	
2,4-Dinitrotoluene	0.04318	mg/L	0.010	0.1	0	43.2	18.8	132	3.39	27.2	
Hexachlorobenzene	0.06244	mg/L	0.010	0.1	0	62.4	23.2	85.1	4.82	23	
Hexachlorobutadiene	0.06274	mg/L	0.010	0.1	0	62.7	19.4	95.4	1.77	21.6	
Hexachloroethane	0.06274	mg/L	0.010	0.1	0	62.7	21.2	93.4	2.00	30	
Nitrobenzene	0.07918	mg/L	0.010	0.1	0	79.2	26.6	104	1.76	23.4	
Pentachlorophenol	0.04898	mg/L	0.010	0.1	0	49.0	10	91.1	4.85	58.6	
Pyridine	0.03986	mg/L	0.010	0.1	0	39.9	4.93	76.8	15.6	35.4	
2,4,5-Trichlorophenol	0.07460	mg/L	0.010	0.1	0	74.6	10	105	3.33	58.3	
2,4,6-Trichlorophenol	0.06860	mg/L	0.010	0.1	0	68.6	9.42	99.5	5.45	57.7	
Cresols, Total	0.1864	mg/L	0.010	0.3	0	62.1	17.9	97.2	0.300	25.4	
Sample ID: mb-26024		*MBLK*				Batch ID:	**26024**	Analysis Date:		3/20/2011 1:17:52 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-26024		*LCS*				Batch ID:	**26024**	Analysis Date:		3/20/2011 1:47:06 PM	
2,4-Dinitrotoluene	0.04222	mg/L	0.010	0.1	0	42.2	21.5	129			
Hexachlorobenzene	0.05452	mg/L	0.010	0.1	0	54.5	26.2	83.3			
Hexachlorobutadiene	0.06146	mg/L	0.010	0.1	0	61.5	25.9	83.4			
Hexachloroethane	0.05908	mg/L	0.010	0.1	0	59.1	30.5	77.5			
Nitrobenzene	0.07796	mg/L	0.010	0.1	0	78.0	34.6	97.6			
Pentachlorophenol	0.03874	mg/L	0.010	0.1	0	38.7	13.3	88.7			
Pyridine	0.05050	mg/L	0.010	0.1	0	50.5	5.1	70.6			
2,4,5-Trichlorophenol	0.06294	mg/L	0.010	0.1	0	62.9	11.7	104			
2,4,6-Trichlorophenol	0.05610	mg/L	0.010	0.1	0	56.1	11.6	100			
Cresols, Total	0.2136	mg/L	0.010	0.3	0	71.2	29.6	87			
Sample ID: 1103421-03Bms		*MS*				Batch ID:	**26024**	Analysis Date:		3/20/2011 3:44:39 PM	
2,4-Dinitrotoluene	0.04174	mg/L	0.010	0.1	0	41.7	18.8	132			
Hexachlorobenzene	0.05950	mg/L	0.010	0.1	0	59.5	23.2	85.1			
Hexachlorobutadiene	0.06164	mg/L	0.010	0.1	0	61.6	19.4	95.4			
Hexachloroethane	0.06150	mg/L	0.010	0.1	0	61.5	21.2	93.4			
Nitrobenzene	0.07780	mg/L	0.010	0.1	0	77.8	26.6	104			
Pentachlorophenol	0.04666	mg/L	0.010	0.1	0	46.7	10	91.1			
Pyridine	0.03408	mg/L	0.010	0.1	0	34.1	4.93	76.8			
2,4,5-Trichlorophenol	0.07216	mg/L	0.010	0.1	0	72.2	10	105			
2,4,6-Trichlorophenol	0.06496	mg/L	0.010	0.1	0	65.0	9.42	99.5			
Cresols, Total	0.1870	mg/L	0.010	0.3	0	62.3	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: 1103421

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: MERCURY, TCLP											
Sample ID: MB-26022		*MBLK*				Batch ID:	**26022**	Analysis Date:	3/18/2011 10:21:30 AM		
Mercury	ND	mg/L	0.020								
Sample ID: LCS-26022		*LCS*				Batch ID:	**26022**	Analysis Date:	3/18/2011 10:23:14 AM		
Mercury	ND	mg/L	0.020	0.005	0	101	80	120			
Method: EPA Method 6010B: TCLP Metals											
Sample ID: MB-26006		*MBLK*				Batch ID:	**26006**	Analysis Date:	3/18/2011 8:29:39 AM		
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								
Sample ID: MB-26006		*MBLK*				Batch ID:	**26006**	Analysis Date:	3/21/2011 8:10:18 AM		
Silver	ND	mg/L	5.0								
Sample ID: LCS-26006		*LCS*				Batch ID:	**26006**	Analysis Date:	3/18/2011 8:32:02 AM		
Arsenic	ND	mg/L	5.0	0.5	0	104	80	120			
Barium	ND	mg/L	100	0.5	0	99.9	80	120			
Cadmium	ND	mg/L	1.0	0.5	0.0008	103	80	120			
Chromium	ND	mg/L	5.0	0.5	0.0014	100	80	120			
Lead	ND	mg/L	5.0	0.5	0	98.1	80	120			
Selenium	ND	mg/L	1.0	0.5	0	107	80	120			
Sample ID: LCS-26006		*LCS*				Batch ID:	**26006**	Analysis Date:	3/21/2011 8:13:25 AM		
Silver	ND	mg/L	5.0	0.5	0.0143	109	80	120			
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-25934		*MBLK*				Batch ID:	**25934**	Analysis Date:	3/14/2011 6:17:25 PM		
Lead	ND	mg/L	0.0050								
Sample ID: LCS-25934		*LCS*				Batch ID:	**25934**	Analysis Date:	3/14/2011 6:20:24 PM		
Lead	0.4681	mg/L	0.0050	0.5	0	93.6	80	120			
Method: CYANIDE, Reactive											
Sample ID: MB-R44334		*MBLK*				Batch ID:	**R44334**	Analysis Date:	3/21/2011		
Reactive Cyanide	ND	mg/Kg	10								
Sample ID: LCS-R44334		*LCS*				Batch ID:	**R44334**	Analysis Date:	3/21/2011		
Reactive Cyanide	0.4880	mg/Kg	0.10	0.5	0	97.6	70	130			
Method: SULFIDE, Reactive											
Sample ID: MB-R44334		*MBLK*				Batch ID:	**R44334**	Analysis Date:	3/22/2011		
Reactive Sulfide	ND	mg/Kg	10								
Sample ID: LCS-R44334		*LCS*				Batch ID:	**R44334**	Analysis Date:	3/22/2011		
Reactive Sulfide	0.2000	mg/Kg	0.10	0.2	0	100	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: 3/9/2011

Work Order Number 1103421

Received by: LNM

Sample ID labels checked by: Ian
Initials

Checklist completed by: [signature] 03/09/11
Signature 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 ☐		
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 ☐	
Container/Temp Blank temperature?	**17.5°**	*<6° C Acceptable* If given sufficient time to cool.		

Number of preserved bottles checked for pH: ___

<2 >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Shaw™
Shaw E & I, Inc.

17.5°C

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-IDW024

Project Number: 140705
Project Name: Kirtland AFB
Sample Coordinator: Mark Lyon
Turnaround Time: 10 day

Samples Shipment Date: 09 MAR 2011
Lab Destination: Hall Environmental Analysis Laboratory
Lab Contact: Andy Freeman
Project Contact: Pamela Moss
Carrier/Waybill No.: Courier/N/A

Bill To: Shaw Environmental, Inc. - Accounts P
PO Box 98519
Baton Rouge LA 70884

Report To: Pamela Moss
7604 Technology Way, Suite 300
Denver CO 80237

Special Instructions: 10 day TAT

Possible Hazard Indentification: Radiological ☐
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐

Sample Disposal:
Return to Client ☐ Disposal by Lab ☐ Archive (mos.)

1. Relinquished By (Signature/Affiliation) Kimberly Jones Kimberly Jones	Date: 3/9/11 Time: 1506	1. Received By (Signature/Affiliation) Michael Brown	Date: 3/9/11 Time: 1506
2. Relinquished By (Signature/Affiliation)	Date: Time:	2. Received By (Signature/Affiliation)	Date: 3/9/11 Time: 1535
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: 4 Rolloffs and 1 Wastewater

1103421

	Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-1	106062IDW1	KAFB10662-SO-106062IDW1-REG	09 MAR 2011	14:45	8 oz CWM	1	None except cool to 4 C	TCLP Metals by SW846 1311 6010B, TCLP Mercury by SW846 1311 7470A			N		
-1	106062IDW1	KAFB10662-SO-106062IDW1-REG	09 MAR 2011	14:45	8 oz CWM	1	None except cool to 4 C	TCLP Pesticides by SW846 1311 8081B, TCLP Herbicides by SW846 1311 8151A, TCLP VOCs by SW846 1311 8260B, TCLP SVOCs by SW846 1311 8270D			N		
-1	106062IDW1	KAFB10662-SO-106062IDW1-REG	09 MAR 2011	14:45	8 oz CWM	1	None except cool to 4 C	Reactivity, Corrosivity, and Ignitability by SW846 Chapter 7,7.3.4.2			N		
-1	106062IDW1	KAFB10662-SO-106062IDW1-REG	09 MAR 2011	14:45	4 oz CWM	1	None except cool to 4 C	TPH as Diesel by SW846 8015B, TPH as Gasoline by SW846 8015B, BTEX			N		

Shaw™
Shaw E & I, Inc.

1103421

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-IDW024

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
								by SW846 8021					
-2	106076IDW1	KAFB10676-SO-106076IDW1-REG	09 MAR 2011	14:30	4 oz CWM	1	None except cool to 4 C	TPH as Diesel by SW846 8015B, TPH as Gasoline by SW846 8015B, BTEX by SW846 8021			N		
-2	106076IDW1	KAFB10676-SO-106076IDW1-REG	09 MAR 2011	14:30	8 oz CWM	1	None except cool to 4 C	TCLP Metals by SW846 1311 6010B, TCLP Mercury by SW846 1311 7470A			N		
-2	106076IDW1	KAFB10676-SO-106076IDW1-REG	09 MAR 2011	14:30	8 oz CWM	1	None except cool to 4 C	TCLP Pesticides by SW846 1311 8081B, TCLP Herbicides by SW846 1311 8151A, TCLP VOCs by SW846 1311 8260B, TCLP SVOCs by SW846 1311 8270D			N		
-2	106076IDW1	KAFB10676-SO-106076IDW1-REG	09 MAR 2011	14:30	8 oz CWM	1	None except cool to 4 C	Reactivity, Corrosivity, and Ignitability by SW846 Chapter 7,7.3.4.2			N		
-3	106117IDW1	KAFB106117-SO-106117IDW1-REG	09 MAR 2011	14:34	8 oz CWM	1	None except cool to 4 C	TCLP Metals by SW846 1311 6010B, TCLP Mercury by SW846 1311 7470A			N		
-3	106117IDW1	KAFB106117-SO-106117IDW1-REG	09 MAR 2011	14:34	8 oz CWM	1	None except cool to 4 C	TCLP Pesticides by SW846 1311 8081B, TCLP Herbicides by SW846 1311 8151A, TCLP VOCs by SW846 1311 8260B, TCLP SVOCs by SW846 1311 8270D			N		
-3	106117IDW1	KAFB106117-SO-106117IDW1-REG	09 MAR 2011	14:34	4 oz CWM	1	None except cool to 4 C	TPH as Diesel by SW846 8015B, TPH as Gasoline by SW846 8015B, BTEX by SW846 8021			N		
-3	106117IDW1	KAFB106117-SO-106117IDW1-REG	09 MAR 2011	14:34	8 oz CWM	1	None except cool to 4 C	Reactivity, Corrosivity, and Ignitability by SW846 Chapter 7,7.3.4.2			N		
-4	106117IDW2	KAFB106117-SO-106117IDW2-REG	09 MAR 2011	14:37	4 oz CWM	1	None except cool to 4 C	TPH as Diesel by SW846 8015B, TPH as Gasoline by SW846 8015B, BTEX by SW846 8021			N		
-4	106117IDW2	KAFB106117-SO-106117IDW2-REG	09 MAR 2011	14:37	8 oz CWM	1	None except cool to 4 C	Reactivity, Corrosivity, and Ignitability by SW846 Chapter 7,7.3.4.2			N		
-4	106117IDW2	KAFB106117-SO-106117IDW2-REG	09 MAR 2011	14:37	8 oz CWM	1	None except cool to 4 C	TCLP Pesticides by SW846 1311 8081B, TCLP Herbicides by SW846 1311 8151A, TCLP VOCs by SW846 1311 8260B, TCLP SVOCs by SW846 1311 8270D			N		
-4	106117IDW2	KAFB106117-SO-106117IDW2-REG	09 MAR 2011	14:37	8 oz CWM	1	None except cool to 4 C	TCLP Metals by SW846 1311 6010B, TCLP Mercury by SW846 1311 7470A			N		
-5	106128WW1	KAFB106128-WW-106128WW1-REG	09 MAR 2011	14:40	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
-5	106128WW1	KAFB106128-WW-106128WW1-REG	09 MAR 2011	14:40	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
-5	106128WW1	KAFB106128-WW-106128WW1-REG	09 MAR 2011	14:40	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
-5	106128WW1	KAFB106128-WW-106128WW1-REG	09 MAR 2011	14:40	1000 mL A GLASS	1	None except cool to 4 C	SVOCs by SW846 8270C			N		
-5	106128WW1	KAFB106128-WW-106128WW1-REG	09 MAR 2011	14:40	500 mL HDPE	1	HNO3<pH 2	Lead only by SW846 6010C			N		

-6 ~~Trip Blank~~ ~~AT 3/10/11~~ AT 3/10/11