HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Monday, February 28, 2011

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

TEL: (720) 554-8252
FAX

RE: KAFB BFF

Order No.: 1102584

Dear Pamela Moss:

Hall Environmental Analysis Laboratory, Inc. received 5 sample(s) on 2/17/2011 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: *28-Feb-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106101IDW1
Lab Order:	1102584	**Collection Date:**	2/17/2011 1:30:00 PM
Project:	KAFB BFF	**Date Received:**	2/17/2011
Lab ID:	1102584-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8081: PESTICIDES TCLP						Analyst: **JDC**
Chlordane	ND	0.030		mg/L	1	2/24/2011 12:40:09 PM
Endrin	ND	0.020		mg/L	1	2/24/2011 12:40:09 PM
gamma-BHC (Lindane)	ND	0.40		mg/L	1	2/24/2011 12:40:09 PM
Heptachlor	ND	0.0080		mg/L	1	2/24/2011 12:40:09 PM
Heptachlor epoxide	ND	0.0080		mg/L	1	2/24/2011 12:40:09 PM
Methoxychlor	ND	10		mg/L	1	2/24/2011 12:40:09 PM
Toxaphene	ND	0.50		mg/L	1	2/24/2011 12:40:09 PM
Surr: Decachlorobiphenyl	100	39-142		%REC	1	2/24/2011 12:40:09 PM
Surr: Tetrachloro-m-xylene	115	38.7-136		%REC	1	2/24/2011 12:40:09 PM
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **JB**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/21/2011 11:54:33 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/21/2011 11:54:33 PM
Surr: DNOP	97.2	81.8-129		%REC	1	2/21/2011 11:54:33 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/21/2011 11:33:33 AM
Surr: BFB	93.2	89.7-125		%REC	1	2/21/2011 11:33:33 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	2/21/2011 11:33:33 AM
Benzene	ND	0.050		mg/Kg	1	2/21/2011 11:33:33 AM
Toluene	ND	0.050		mg/Kg	1	2/21/2011 11:33:33 AM
Ethylbenzene	ND	0.050		mg/Kg	1	2/21/2011 11:33:33 AM
Xylenes, Total	ND	0.10		mg/Kg	1	2/21/2011 11:33:33 AM
Surr: 4-Bromofluorobenzene	108	85.3-139		%REC	1	2/21/2011 11:33:33 AM
MERCURY, TCLP						Analyst: **ELS**
Mercury	ND	0.020		mg/L	1	2/24/2011 1:13:35 PM
EPA METHOD 6010B: TCLP METALS						Analyst: **RAGS**
Arsenic	ND	5.0		mg/L	1	2/24/2011 6:21:52 PM
Barium	ND	100		mg/L	1	2/24/2011 6:21:52 PM
Cadmium	ND	1.0		mg/L	1	2/24/2011 6:21:52 PM
Chromium	ND	5.0		mg/L	1	2/24/2011 6:21:52 PM
Lead	ND	5.0		mg/L	1	2/24/2011 6:21:52 PM
Selenium	ND	1.0		mg/L	1	2/24/2011 6:21:52 PM
Silver	ND	5.0		mg/L	1	2/24/2011 6:21:52 PM
EPA METHOD 8270C TCLP						Analyst: **JDC**
2,4-Dinitrotoluene	ND	0.13		mg/L	1	2/24/2011 7:57:16 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: *28-Feb-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106101IDW1
Lab Order:	1102584	**Collection Date:**	2/17/2011 1:30:00 PM
Project:	KAFB BFF	**Date Received:**	2/17/2011
Lab ID:	1102584-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C TCLP						Analyst: **JDC**
Hexachlorobenzene	ND	0.13		mg/L	1	2/24/2011 7:57:16 PM
Hexachlorobutadiene	ND	0.50		mg/L	1	2/24/2011 7:57:16 PM
Hexachloroethane	ND	3.0		mg/L	1	2/24/2011 7:57:16 PM
Nitrobenzene	ND	2.0		mg/L	1	2/24/2011 7:57:16 PM
Pentachlorophenol	ND	100		mg/L	1	2/24/2011 7:57:16 PM
Pyridine	ND	5.0		mg/L	1	2/24/2011 7:57:16 PM
2,4,5-Trichlorophenol	ND	400		mg/L	1	2/24/2011 7:57:16 PM
2,4,6-Trichlorophenol	ND	2.0		mg/L	1	2/24/2011 7:57:16 PM
Cresols, Total	ND	200		mg/L	1	2/24/2011 7:57:16 PM
Surr: 2,4,6-Tribromophenol	94.3	21.6-121		%REC	1	2/24/2011 7:57:16 PM
Surr: 2-Fluorobiphenyl	79.3	36.3-107		%REC	1	2/24/2011 7:57:16 PM
Surr: 2-Fluorophenol	56.3	7.63-90		%REC	1	2/24/2011 7:57:16 PM
Surr: 4-Terphenyl-d14	84.6	39-110		%REC	1	2/24/2011 7:57:16 PM
Surr: Nitrobenzene-d5	76.2	36.9-110		%REC	1	2/24/2011 7:57:16 PM
Surr: Phenol-d5	50.6	13.3-67.7		%REC	1	2/24/2011 7:57:16 PM
VOLATILES BY 8260B/1311						Analyst: **MMS**
Benzene	ND	0.50		mg/L	1	2/25/2011 5:38:38 AM
2-Butanone	ND	10		mg/L	1	2/25/2011 5:38:38 AM
Carbon Tetrachloride	ND	0.50		mg/L	1	2/25/2011 5:38:38 AM
Chlorobenzene	ND	100		mg/L	1	2/25/2011 5:38:38 AM
Chloroform	ND	6.0		mg/L	1	2/25/2011 5:38:38 AM
1,4-Dichlorobenzene	ND	7.5		mg/L	1	2/25/2011 5:38:38 AM
1,2-Dichloroethane (EDC)	ND	0.50		mg/L	1	2/25/2011 5:38:38 AM
1,1-Dichloroethene	ND	0.70		mg/L	1	2/25/2011 5:38:38 AM
Hexachlorobutadiene	ND	0.50		mg/L	1	2/25/2011 5:38:38 AM
Tetrachloroethene (PCE)	ND	0.70		mg/L	1	2/25/2011 5:38:38 AM
Trichloroethene (TCE)	ND	0.50		mg/L	1	2/25/2011 5:38:38 AM
Vinyl chloride	ND	0.20		mg/L	1	2/25/2011 5:38:38 AM
Surr: 1,2-Dichloroethane-d4	84.8	69.9-130		%REC	1	2/25/2011 5:38:38 AM
Surr: 4-Bromofluorobenzene	109	71.2-123		%REC	1	2/25/2011 5:38:38 AM
Surr: Dibromofluoromethane	105	73.9-134		%REC	1	2/25/2011 5:38:38 AM
Surr: Toluene-d8	97.7	81.9-122		%REC	1	2/25/2011 5:38:38 AM
EPA METHOD 8151: HERBICIDES TCLP						Analyst: **ANTE**
2,4,5-TP (Silvex)	ND	0.10		mg/L	1	2/24/2011
2,4-D	ND	0.10		mg/L	1	2/24/2011
CORROSIVITY						Analyst: **ANTE**
pH	8.4	0.10		pH Units	1	2/25/2011

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: *28-Feb-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106101IDW1
Lab Order:	1102584	**Collection Date:**	2/17/2011 1:30:00 PM
Project:	KAFB BFF	**Date Received:**	2/17/2011
Lab ID:	1102584-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
IGNITABILITY (SUBBED)						Analyst: **ANTE**
Ignitability	Negative	0		°F	1	2/24/2011
CYANIDE, REACTIVE						Analyst: **ANTE**
Reactive Cyanide	ND	10		mg/Kg	1	2/25/2011
SULFIDE, REACTIVE						Analyst: **ANTE**
Reactive Sulfide	ND	15		mg/Kg	1	2/25/2011

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: *28-Feb-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106108IDW1
Lab Order:	1102584	**Collection Date:**	2/17/2011 1:33:00 PM
Project:	KAFB BFF	**Date Received:**	2/17/2011
Lab ID:	1102584-02	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8081: PESTICIDES TCLP						Analyst: **JDC**
Chlordane	ND	0.030		mg/L	1	2/24/2011 12:57:18 PM
Endrin	ND	0.020		mg/L	1	2/24/2011 12:57:18 PM
gamma-BHC (Lindane)	ND	0.40		mg/L	1	2/24/2011 12:57:18 PM
Heptachlor	ND	0.0080		mg/L	1	2/24/2011 12:57:18 PM
Heptachlor epoxide	ND	0.0080		mg/L	1	2/24/2011 12:57:18 PM
Methoxychlor	ND	10		mg/L	1	2/24/2011 12:57:18 PM
Toxaphene	ND	0.50		mg/L	1	2/24/2011 12:57:18 PM
Surr: Decachlorobiphenyl	96.7	39-142		%REC	1	2/24/2011 12:57:18 PM
Surr: Tetrachloro-m-xylene	104	38.7-136		%REC	1	2/24/2011 12:57:18 PM
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **JB**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/22/2011 12:28:19 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/22/2011 12:28:19 AM
Surr: DNOP	93.8	81.8-129		%REC	1	2/22/2011 12:28:19 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/21/2011 12:02:29 PM
Surr: BFB	93.7	89.7-125		%REC	1	2/21/2011 12:02:29 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	2/21/2011 12:02:29 PM
Benzene	ND	0.050		mg/Kg	1	2/21/2011 12:02:29 PM
Toluene	ND	0.050		mg/Kg	1	2/21/2011 12:02:29 PM
Ethylbenzene	ND	0.050		mg/Kg	1	2/21/2011 12:02:29 PM
Xylenes, Total	ND	0.10		mg/Kg	1	2/21/2011 12:02:29 PM
Surr: 4-Bromofluorobenzene	109	85.3-139		%REC	1	2/21/2011 12:02:29 PM
MERCURY, TCLP						Analyst: **ELS**
Mercury	ND	0.020		mg/L	1	2/24/2011 1:15:25 PM
EPA METHOD 6010B: TCLP METALS						Analyst: **RAGS**
Arsenic	ND	5.0		mg/L	1	2/24/2011 6:26:41 PM
Barium	ND	100		mg/L	1	2/24/2011 6:26:41 PM
Cadmium	ND	1.0		mg/L	1	2/24/2011 6:26:41 PM
Chromium	ND	5.0		mg/L	1	2/24/2011 6:26:41 PM
Lead	ND	5.0		mg/L	1	2/24/2011 6:26:41 PM
Selenium	ND	1.0		mg/L	1	2/24/2011 6:26:41 PM
Silver	ND	5.0		mg/L	1	2/24/2011 6:26:41 PM
EPA METHOD 8270C TCLP						Analyst: **JDC**
2,4-Dinitrotoluene	ND	0.13		mg/L	1	2/24/2011 8:25:45 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: *28-Feb-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106108IDW1
Lab Order:	1102584	**Collection Date:**	2/17/2011 1:33:00 PM
Project:	KAFB BFF	**Date Received:**	2/17/2011
Lab ID:	1102584-02	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C TCLP						Analyst: **JDC**
Hexachlorobenzene	ND	0.13		mg/L	1	2/24/2011 8:25:45 PM
Hexachlorobutadiene	ND	0.50		mg/L	1	2/24/2011 8:25:45 PM
Hexachloroethane	ND	3.0		mg/L	1	2/24/2011 8:25:45 PM
Nitrobenzene	ND	2.0		mg/L	1	2/24/2011 8:25:45 PM
Pentachlorophenol	ND	100		mg/L	1	2/24/2011 8:25:45 PM
Pyridine	ND	5.0		mg/L	1	2/24/2011 8:25:45 PM
2,4,5-Trichlorophenol	ND	400		mg/L	1	2/24/2011 8:25:45 PM
2,4,6-Trichlorophenol	ND	2.0		mg/L	1	2/24/2011 8:25:45 PM
Cresols, Total	ND	200		mg/L	1	2/24/2011 8:25:45 PM
Surr: 2,4,6-Tribromophenol	98.5	21.6-121		%REC	1	2/24/2011 8:25:45 PM
Surr: 2-Fluorobiphenyl	69.2	36.3-107		%REC	1	2/24/2011 8:25:45 PM
Surr: 2-Fluorophenol	47.8	7.63-90		%REC	1	2/24/2011 8:25:45 PM
Surr: 4-Terphenyl-d14	71.9	39-110		%REC	1	2/24/2011 8:25:45 PM
Surr: Nitrobenzene-d5	77.0	36.9-110		%REC	1	2/24/2011 8:25:45 PM
Surr: Phenol-d5	43.1	13.3-67.7		%REC	1	2/24/2011 8:25:45 PM
VOLATILES BY 8260B/1311						Analyst: **MMS**
Benzene	ND	0.50		mg/L	1	2/25/2011 6:06:39 AM
2-Butanone	ND	10		mg/L	1	2/25/2011 6:06:39 AM
Carbon Tetrachloride	ND	0.50		mg/L	1	2/25/2011 6:06:39 AM
Chlorobenzene	ND	100		mg/L	1	2/25/2011 6:06:39 AM
Chloroform	ND	6.0		mg/L	1	2/25/2011 6:06:39 AM
1,4-Dichlorobenzene	ND	7.5		mg/L	1	2/25/2011 6:06:39 AM
1,2-Dichloroethane (EDC)	ND	0.50		mg/L	1	2/25/2011 6:06:39 AM
1,1-Dichloroethene	ND	0.70		mg/L	1	2/25/2011 6:06:39 AM
Hexachlorobutadiene	ND	0.50		mg/L	1	2/25/2011 6:06:39 AM
Tetrachloroethene (PCE)	ND	0.70		mg/L	1	2/25/2011 6:06:39 AM
Trichloroethene (TCE)	ND	0.50		mg/L	1	2/25/2011 6:06:39 AM
Vinyl chloride	ND	0.20		mg/L	1	2/25/2011 6:06:39 AM
Surr: 1,2-Dichloroethane-d4	84.0	69.9-130		%REC	1	2/25/2011 6:06:39 AM
Surr: 4-Bromofluorobenzene	114	71.2-123		%REC	1	2/25/2011 6:06:39 AM
Surr: Dibromofluoromethane	106	73.9-134		%REC	1	2/25/2011 6:06:39 AM
Surr: Toluene-d8	101	81.9-122		%REC	1	2/25/2011 6:06:39 AM
EPA METHOD 8151: HERBICIDES TCLP						Analyst: **ANTE**
2,4,5-TP (Silvex)	ND	0.10		mg/L	1	2/25/2011
2,4-D	ND	0.10		mg/L	1	2/25/2011
CORROSIVITY						Analyst: **ANTE**
pH	8.2	0.10		pH Units	1	2/25/2011

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: *28-Feb-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106108IDW1
Lab Order:	1102584	**Collection Date:**	2/17/2011 1:33:00 PM
Project:	KAFB BFF	**Date Received:**	2/17/2011
Lab ID:	1102584-02	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
IGNITABILITY (SUBBED)						Analyst: **ANTE**
Ignitability	Negative	0		°F	1	2/24/2011
CYANIDE, REACTIVE						Analyst: **ANTE**
Reactive Cyanide	ND	10		mg/Kg	1	2/25/2011
SULFIDE, REACTIVE						Analyst: **ANTE**
Reactive Sulfide	ND	15		mg/Kg	1	2/25/2011

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: *28-Feb-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106108IDW2
Lab Order:	1102584	**Collection Date:**	2/17/2011 1:35:00 PM
Project:	KAFB BFF	**Date Received:**	2/17/2011
Lab ID:	1102584-03	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8081: PESTICIDES TCLP						Analyst: **JDC**
Chlordane	ND	0.030		mg/L	1	2/24/2011 1:14:30 PM
Endrin	ND	0.020		mg/L	1	2/24/2011 1:14:30 PM
gamma-BHC (Lindane)	ND	0.40		mg/L	1	2/24/2011 1:14:30 PM
Heptachlor	ND	0.0080		mg/L	1	2/24/2011 1:14:30 PM
Heptachlor epoxide	ND	0.0080		mg/L	1	2/24/2011 1:14:30 PM
Methoxychlor	ND	10		mg/L	1	2/24/2011 1:14:30 PM
Toxaphene	ND	0.50		mg/L	1	2/24/2011 1:14:30 PM
Surr: Decachlorobiphenyl	102	39-142		%REC	1	2/24/2011 1:14:30 PM
Surr: Tetrachloro-m-xylene	116	38.7-136		%REC	1	2/24/2011 1:14:30 PM
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **JB**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/22/2011 1:02:06 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/22/2011 1:02:06 AM
Surr: DNOP	95.4	81.8-129		%REC	1	2/22/2011 1:02:06 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/21/2011 12:31:24 PM
Surr: BFB	93.8	89.7-125		%REC	1	2/21/2011 12:31:24 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	2/21/2011 12:31:24 PM
Benzene	ND	0.050		mg/Kg	1	2/21/2011 12:31:24 PM
Toluene	ND	0.050		mg/Kg	1	2/21/2011 12:31:24 PM
Ethylbenzene	ND	0.050		mg/Kg	1	2/21/2011 12:31:24 PM
Xylenes, Total	ND	0.10		mg/Kg	1	2/21/2011 12:31:24 PM
Surr: 4-Bromofluorobenzene	109	85.3-139		%REC	1	2/21/2011 12:31:24 PM
MERCURY, TCLP						Analyst: **ELS**
Mercury	ND	0.020		mg/L	1	2/24/2011 1:17:15 PM
EPA METHOD 6010B: TCLP METALS						Analyst: **RAGS**
Arsenic	ND	5.0		mg/L	1	2/24/2011 6:56:05 PM
Barium	ND	100		mg/L	1	2/24/2011 6:56:05 PM
Cadmium	ND	1.0		mg/L	1	2/24/2011 6:56:05 PM
Chromium	ND	5.0		mg/L	1	2/24/2011 6:56:05 PM
Lead	ND	5.0		mg/L	1	2/24/2011 6:56:05 PM
Selenium	ND	1.0		mg/L	1	2/24/2011 6:56:05 PM
Silver	ND	5.0		mg/L	1	2/24/2011 6:56:05 PM
EPA METHOD 8270C TCLP						Analyst: **JDC**
2,4-Dinitrotoluene	ND	0.13		mg/L	1	2/24/2011 8:54:16 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: *28-Feb-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106108IDW2
Lab Order:	1102584	**Collection Date:**	2/17/2011 1:35:00 PM
Project:	KAFB BFF	**Date Received:**	2/17/2011
Lab ID:	1102584-03	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C TCLP						Analyst: **JDC**
Hexachlorobenzene	ND	0.13		mg/L	1	2/24/2011 8:54:16 PM
Hexachlorobutadiene	ND	0.50		mg/L	1	2/24/2011 8:54:16 PM
Hexachloroethane	ND	3.0		mg/L	1	2/24/2011 8:54:16 PM
Nitrobenzene	ND	2.0		mg/L	1	2/24/2011 8:54:16 PM
Pentachlorophenol	ND	100		mg/L	1	2/24/2011 8:54:16 PM
Pyridine	ND	5.0		mg/L	1	2/24/2011 8:54:16 PM
2,4,5-Trichlorophenol	ND	400		mg/L	1	2/24/2011 8:54:16 PM
2,4,6-Trichlorophenol	ND	2.0		mg/L	1	2/24/2011 8:54:16 PM
Cresols, Total	ND	200		mg/L	1	2/24/2011 8:54:16 PM
Surr: 2,4,6-Tribromophenol	100	21.6-121		%REC	1	2/24/2011 8:54:16 PM
Surr: 2-Fluorobiphenyl	71.9	36.3-107		%REC	1	2/24/2011 8:54:16 PM
Surr: 2-Fluorophenol	56.2	7.63-90		%REC	1	2/24/2011 8:54:16 PM
Surr: 4-Terphenyl-d14	85.0	39-110		%REC	1	2/24/2011 8:54:16 PM
Surr: Nitrobenzene-d5	77.4	36.9-110		%REC	1	2/24/2011 8:54:16 PM
Surr: Phenol-d5	53.2	13.3-67.7		%REC	1	2/24/2011 8:54:16 PM
VOLATILES BY 8260B/1311						Analyst: **MMS**
Benzene	ND	0.50		mg/L	1	2/25/2011 1:25:56 AM
2-Butanone	ND	10		mg/L	1	2/25/2011 1:25:56 AM
Carbon Tetrachloride	ND	0.50		mg/L	1	2/25/2011 1:25:56 AM
Chlorobenzene	ND	100		mg/L	1	2/25/2011 1:25:56 AM
Chloroform	ND	6.0		mg/L	1	2/25/2011 1:25:56 AM
1,4-Dichlorobenzene	ND	7.5		mg/L	1	2/25/2011 1:25:56 AM
1,2-Dichloroethane (EDC)	ND	0.50		mg/L	1	2/25/2011 1:25:56 AM
1,1-Dichloroethene	ND	0.70		mg/L	1	2/25/2011 1:25:56 AM
Hexachlorobutadiene	ND	0.50		mg/L	1	2/25/2011 1:25:56 AM
Tetrachloroethene (PCE)	ND	0.70		mg/L	1	2/25/2011 1:25:56 AM
Trichloroethene (TCE)	ND	0.50		mg/L	1	2/25/2011 1:25:56 AM
Vinyl chloride	ND	0.20		mg/L	1	2/25/2011 1:25:56 AM
Surr: 1,2-Dichloroethane-d4	84.8	69.9-130		%REC	1	2/25/2011 1:25:56 AM
Surr: 4-Bromofluorobenzene	109	71.2-123		%REC	1	2/25/2011 1:25:56 AM
Surr: Dibromofluoromethane	105	73.9-134		%REC	1	2/25/2011 1:25:56 AM
Surr: Toluene-d8	97.9	81.9-122		%REC	1	2/25/2011 1:25:56 AM
EPA METHOD 8151: HERBICIDES TCLP						Analyst: **ANTE**
2,4,5-TP (Silvex)	ND	0.10		mg/L	1	2/25/2011
2,4-D	ND	0.10		mg/L	1	2/25/2011
CORROSIVITY						Analyst: **ANTE**
pH	8.3	0.10		pH Units	1	2/25/2011

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: *28-Feb-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106108IDW2
Lab Order:	1102584	**Collection Date:**	2/17/2011 1:35:00 PM
Project:	KAFB BFF	**Date Received:**	2/17/2011
Lab ID:	1102584-03	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
IGNITABILITY (SUBBED)						Analyst: **ANTE**
Ignitability	Negative	0		°F	1	2/24/2011
CYANIDE, REACTIVE						Analyst: **ANTE**
Reactive Cyanide	ND	10		mg/Kg	1	2/25/2011
SULFIDE, REACTIVE						Analyst: **ANTE**
Reactive Sulfide	ND	15		mg/Kg	1	2/25/2011

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Feb-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106113WW1
Lab Order:	1102584	**Collection Date:**	2/17/2011 1:40:00 PM
Project:	KAFB BFF	**Date Received:**	2/17/2011
Lab ID:	1102584-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/21/2011 6:47:45 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/21/2011 6:47:45 PM
Surr: DNOP	100	86.9-151		%REC	1	2/21/2011 6:47:45 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	2/19/2011 1:49:29 AM
Surr: BFB	87.8	79.4-132		%REC	1	2/19/2011 1:49:29 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Lead	ND	0.0050		mg/L	1	2/22/2011 9:05:44 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Acenaphthylene	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Aniline	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Anthracene	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Azobenzene	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Benz(a)anthracene	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Benzo(a)pyrene	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Benzoic acid	ND	20		µg/L	1	2/24/2011 4:05:52 PM
Benzyl alcohol	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Bis(2-ethylhexyl)phthalate	11	10		µg/L	1	2/24/2011 4:05:52 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Butyl benzyl phthalate	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Carbazole	ND	10		µg/L	1	2/24/2011 4:05:52 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	2/24/2011 4:05:52 PM
4-Chloroaniline	ND	10		µg/L	1	2/24/2011 4:05:52 PM
2-Chloronaphthalene	ND	10		µg/L	1	2/24/2011 4:05:52 PM
2-Chlorophenol	ND	10		µg/L	1	2/24/2011 4:05:52 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Chrysene	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Di-n-butyl phthalate	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Di-n-octyl phthalate	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Dibenzofuran	ND	10		µg/L	1	2/24/2011 4:05:52 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Feb-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106113WW1
Lab Order:	1102584	**Collection Date:**	2/17/2011 1:40:00 PM
Project:	KAFB BFF	**Date Received:**	2/17/2011
Lab ID:	1102584-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
1,2-Dichlorobenzene	ND	10		µg/L	1	2/24/2011 4:05:52 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	2/24/2011 4:05:52 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	2/24/2011 4:05:52 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Diethyl phthalate	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Dimethyl phthalate	ND	10		µg/L	1	2/24/2011 4:05:52 PM
2,4-Dichlorophenol	ND	20		µg/L	1	2/24/2011 4:05:52 PM
2,4-Dimethylphenol	ND	10		µg/L	1	2/24/2011 4:05:52 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	2/24/2011 4:05:52 PM
2,4-Dinitrophenol	ND	20		µg/L	1	2/24/2011 4:05:52 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	2/24/2011 4:05:52 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Fluoranthene	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Fluorene	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Hexachlorobenzene	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Hexachlorobutadiene	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Hexachloroethane	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Isophorone	ND	10		µg/L	1	2/24/2011 4:05:52 PM
2-Methylnaphthalene	ND	10		µg/L	1	2/24/2011 4:05:52 PM
2-Methylphenol	ND	10		µg/L	1	2/24/2011 4:05:52 PM
3+4-Methylphenol	ND	10		µg/L	1	2/24/2011 4:05:52 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	2/24/2011 4:05:52 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	2/24/2011 4:05:52 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Naphthalene	ND	10		µg/L	1	2/24/2011 4:05:52 PM
2-Nitroaniline	ND	10		µg/L	1	2/24/2011 4:05:52 PM
3-Nitroaniline	ND	10		µg/L	1	2/24/2011 4:05:52 PM
4-Nitroaniline	ND	20		µg/L	1	2/24/2011 4:05:52 PM
Nitrobenzene	ND	10		µg/L	1	2/24/2011 4:05:52 PM
2-Nitrophenol	ND	10		µg/L	1	2/24/2011 4:05:52 PM
4-Nitrophenol	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Pentachlorophenol	ND	20		µg/L	1	2/24/2011 4:05:52 PM
Phenanthrene	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Phenol	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Pyrene	ND	10		µg/L	1	2/24/2011 4:05:52 PM
Pyridine	ND	10		µg/L	1	2/24/2011 4:05:52 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	2/24/2011 4:05:52 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	2/24/2011 4:05:52 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	2/24/2011 4:05:52 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: *28-Feb-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106113WW1
Lab Order:	1102584	**Collection Date:**	2/17/2011 1:40:00 PM
Project:	KAFB BFF	**Date Received:**	2/17/2011
Lab ID:	1102584-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: 2,4,6-Tribromophenol	76.0	17.5-104		%REC	1	2/24/2011 4:05:52 PM
Surr: 2-Fluorobiphenyl	72.6	30.9-98.9		%REC	1	2/24/2011 4:05:52 PM
Surr: 2-Fluorophenol	46.6	12.4-90.1		%REC	1	2/24/2011 4:05:52 PM
Surr: 4-Terphenyl-d14	69.0	43.5-91.9		%REC	1	2/24/2011 4:05:52 PM
Surr: Nitrobenzene-d5	59.5	26.2-108		%REC	1	2/24/2011 4:05:52 PM
Surr: Phenol-d5	41.0	11.8-73.1		%REC	1	2/24/2011 4:05:52 PM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
Toluene	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
Ethylbenzene	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
Naphthalene	ND	2.0		µg/L	1	2/22/2011 3:02:28 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	2/22/2011 3:02:28 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	2/22/2011 3:02:28 AM
Acetone	ND	10		µg/L	1	2/22/2011 3:02:28 AM
Bromobenzene	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
Bromodichloromethane	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
Bromoform	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
Bromomethane	ND	3.0		µg/L	1	2/22/2011 3:02:28 AM
2-Butanone	ND	10		µg/L	1	2/22/2011 3:02:28 AM
Carbon disulfide	ND	10		µg/L	1	2/22/2011 3:02:28 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
Chlorobenzene	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
Chloroethane	ND	2.0		µg/L	1	2/22/2011 3:02:28 AM
Chloroform	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
Chloromethane	ND	3.0		µg/L	1	2/22/2011 3:02:28 AM
2-Chlorotoluene	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
4-Chlorotoluene	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
cis-1,2-DCE	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/22/2011 3:02:28 AM
Dibromochloromethane	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
Dibromomethane	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/22/2011 3:02:28 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: *28-Feb-11*

CLIENT: Shaw Environmental, Inc.
Lab Order: 1102584
Project: KAFB BFF
Lab ID: 1102584-04

Client Sample ID: 106113WW1
Collection Date: 2/17/2011 1:40:00 PM
Date Received: 2/17/2011
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	2/22/2011 3:02:28 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
2-Hexanone	ND	10		µg/L	1	2/22/2011 3:02:28 AM
Isopropylbenzene	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	2/22/2011 3:02:28 AM
Methylene Chloride	ND	3.0		µg/L	1	2/22/2011 3:02:28 AM
n-Butylbenzene	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
n-Propylbenzene	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
sec-Butylbenzene	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
Styrene	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
tert-Butylbenzene	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/22/2011 3:02:28 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
trans-1,2-DCE	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/22/2011 3:02:28 AM
Vinyl chloride	ND	1.0		µg/L	1	2/22/2011 3:02:28 AM
Xylenes, Total	ND	1.5		µg/L	1	2/22/2011 3:02:28 AM
Surr: 1,2-Dichloroethane-d4	109	77.7-113		%REC	1	2/22/2011 3:02:28 AM
Surr: 4-Bromofluorobenzene	114	76.4-106	S	%REC	1	2/22/2011 3:02:28 AM
Surr: Dibromofluoromethane	102	91.6-125		%REC	1	2/22/2011 3:02:28 AM
Surr: Toluene-d8	117	92.3-107	S	%REC	1	2/22/2011 3:02:28 AM

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: *28-Feb-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106109WW1
Lab Order:	1102584	**Collection Date:**	2/17/2011 1:45:00 PM
Project:	KAFB BFF	**Date Received:**	2/17/2011
Lab ID:	1102584-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	2/21/2011 7:22:20 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/21/2011 7:22:20 PM
Surr: DNOP	110	86.9-151		%REC	1	2/21/2011 7:22:20 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.053	0.050		mg/L	1	2/19/2011 2:47:12 AM
Surr: BFB	89.3	79.4-132		%REC	1	2/19/2011 2:47:12 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Lead	0.0087	0.0050		mg/L	1	2/22/2011 9:08:31 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Acenaphthylene	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Aniline	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Anthracene	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Azobenzene	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Benz(a)anthracene	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Benzo(a)pyrene	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Benzoic acid	ND	20		µg/L	1	2/24/2011 4:35:06 PM
Benzyl alcohol	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Bis(2-ethylhexyl)phthalate	10	10		µg/L	1	2/24/2011 4:35:06 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Butyl benzyl phthalate	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Carbazole	ND	10		µg/L	1	2/24/2011 4:35:06 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	2/24/2011 4:35:06 PM
4-Chloroaniline	ND	10		µg/L	1	2/24/2011 4:35:06 PM
2-Chloronaphthalene	ND	10		µg/L	1	2/24/2011 4:35:06 PM
2-Chlorophenol	ND	10		µg/L	1	2/24/2011 4:35:06 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Chrysene	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Di-n-butyl phthalate	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Di-n-octyl phthalate	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Dibenzofuran	ND	10		µg/L	1	2/24/2011 4:35:06 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: *28-Feb-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106109WW1
Lab Order:	1102584	**Collection Date:**	2/17/2011 1:45:00 PM
Project:	KAFB BFF	**Date Received:**	2/17/2011
Lab ID:	1102584-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
1,2-Dichlorobenzene	ND	10		µg/L	1	2/24/2011 4:35:06 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	2/24/2011 4:35:06 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	2/24/2011 4:35:06 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Diethyl phthalate	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Dimethyl phthalate	ND	10		µg/L	1	2/24/2011 4:35:06 PM
2,4-Dichlorophenol	ND	20		µg/L	1	2/24/2011 4:35:06 PM
2,4-Dimethylphenol	ND	10		µg/L	1	2/24/2011 4:35:06 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	2/24/2011 4:35:06 PM
2,4-Dinitrophenol	ND	20		µg/L	1	2/24/2011 4:35:06 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	2/24/2011 4:35:06 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Fluoranthene	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Fluorene	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Hexachlorobenzene	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Hexachlorobutadiene	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Hexachloroethane	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Isophorone	ND	10		µg/L	1	2/24/2011 4:35:06 PM
2-Methylnaphthalene	ND	10		µg/L	1	2/24/2011 4:35:06 PM
2-Methylphenol	ND	10		µg/L	1	2/24/2011 4:35:06 PM
3+4-Methylphenol	ND	10		µg/L	1	2/24/2011 4:35:06 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	2/24/2011 4:35:06 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	2/24/2011 4:35:06 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Naphthalene	ND	10		µg/L	1	2/24/2011 4:35:06 PM
2-Nitroaniline	ND	10		µg/L	1	2/24/2011 4:35:06 PM
3-Nitroaniline	ND	10		µg/L	1	2/24/2011 4:35:06 PM
4-Nitroaniline	ND	20		µg/L	1	2/24/2011 4:35:06 PM
Nitrobenzene	ND	10		µg/L	1	2/24/2011 4:35:06 PM
2-Nitrophenol	ND	10		µg/L	1	2/24/2011 4:35:06 PM
4-Nitrophenol	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Pentachlorophenol	ND	20		µg/L	1	2/24/2011 4:35:06 PM
Phenanthrene	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Phenol	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Pyrene	ND	10		µg/L	1	2/24/2011 4:35:06 PM
Pyridine	ND	10		µg/L	1	2/24/2011 4:35:06 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	2/24/2011 4:35:06 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	2/24/2011 4:35:06 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	2/24/2011 4:35:06 PM

Qualifiers:

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Hall Environmental Analysis Laboratory, Inc.

Date: *28-Feb-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106109WW1
Lab Order:	1102584	**Collection Date:**	2/17/2011 1:45:00 PM
Project:	KAFB BFF	**Date Received:**	2/17/2011
Lab ID:	1102584-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: 2,4,6-Tribromophenol	82.5	17.5-104		%REC	1	2/24/2011 4:35:06 PM
Surr: 2-Fluorobiphenyl	60.6	30.9-98.9		%REC	1	2/24/2011 4:35:06 PM
Surr: 2-Fluorophenol	46.4	12.4-90.1		%REC	1	2/24/2011 4:35:06 PM
Surr: 4-Terphenyl-d14	67.6	43.5-91.9		%REC	1	2/24/2011 4:35:06 PM
Surr: Nitrobenzene-d5	55.3	26.2-108		%REC	1	2/24/2011 4:35:06 PM
Surr: Phenol-d5	47.4	11.8-73.1		%REC	1	2/24/2011 4:35:06 PM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
Toluene	3.7	1.0		µg/L	1	2/22/2011 3:28:28 AM
Ethylbenzene	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
Naphthalene	ND	2.0		µg/L	1	2/22/2011 3:28:28 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	2/22/2011 3:28:28 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	2/22/2011 3:28:28 AM
Acetone	ND	10		µg/L	1	2/22/2011 3:28:28 AM
Bromobenzene	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
Bromodichloromethane	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
Bromoform	1.2	1.0		µg/L	1	2/22/2011 3:28:28 AM
Bromomethane	ND	3.0		µg/L	1	2/22/2011 3:28:28 AM
2-Butanone	ND	10		µg/L	1	2/22/2011 3:28:28 AM
Carbon disulfide	ND	10		µg/L	1	2/22/2011 3:28:28 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
Chlorobenzene	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
Chloroethane	ND	2.0		µg/L	1	2/22/2011 3:28:28 AM
Chloroform	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
Chloromethane	ND	3.0		µg/L	1	2/22/2011 3:28:28 AM
2-Chlorotoluene	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
4-Chlorotoluene	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
cis-1,2-DCE	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/22/2011 3:28:28 AM
Dibromochloromethane	1.3	1.0		µg/L	1	2/22/2011 3:28:28 AM
Dibromomethane	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM

Qualifiers:

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- 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: *28-Feb-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106109WW1
Lab Order:	1102584	**Collection Date:**	2/17/2011 1:45:00 PM
Project:	KAFB BFF	**Date Received:**	2/17/2011
Lab ID:	1102584-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	2/22/2011 3:28:28 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
2-Hexanone	ND	10		µg/L	1	2/22/2011 3:28:28 AM
Isopropylbenzene	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	2/22/2011 3:28:28 AM
Methylene Chloride	ND	3.0		µg/L	1	2/22/2011 3:28:28 AM
n-Butylbenzene	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
n-Propylbenzene	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
sec-Butylbenzene	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
Styrene	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
tert-Butylbenzene	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/22/2011 3:28:28 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
trans-1,2-DCE	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/22/2011 3:28:28 AM
Vinyl chloride	ND	1.0		µg/L	1	2/22/2011 3:28:28 AM
Xylenes, Total	ND	1.5		µg/L	1	2/22/2011 3:28:28 AM
Surr: 1,2-Dichloroethane-d4	110	77.7-113		%REC	1	2/22/2011 3:28:28 AM
Surr: 4-Bromofluorobenzene	107	76.4-106	S	%REC	1	2/22/2011 3:28:28 AM
Surr: Dibromofluoromethane	106	91.6-125		%REC	1	2/22/2011 3:28:28 AM
Surr: Toluene-d8	121	92.3-107	S	%REC	1	2/22/2011 3:28:28 AM

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Shaw Environmental, Inc.
Project: KAFB BFF **Work Order:** 1102584

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range Organics											
Sample ID: MB-25677		*MBLK*				Batch ID:	**25677**	Analysis Date:		2/21/2011 6:46:58 PM	
Diesel Range Organics (DRO)	ND	mg/Kg	10								
Motor Oil Range Organics (MRO)	ND	mg/Kg	50								
Sample ID: LCS-25677		*LCS*				Batch ID:	**25677**	Analysis Date:		2/21/2011 7:20:49 PM	
Diesel Range Organics (DRO)	53.18	mg/Kg	10	50	0	106	66.2	120			
Sample ID: LCSD-25677		*LCSD*				Batch ID:	**25677**	Analysis Date:		2/21/2011 7:54:41 PM	
Diesel Range Organics (DRO)	54.22	mg/Kg	10	50	0	108	66.2	120	1.95	14.3	
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-25685		*MBLK*				Batch ID:	**25685**	Analysis Date:		2/21/2011 5:04:12 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-25685		*LCS*				Batch ID:	**25685**	Analysis Date:		2/22/2011 8:56:16 AM	
Diesel Range Organics (DRO)	7.451	mg/L	1.0	5	0	149	74	157			
Sample ID: LCSD-25685		*LCSD*				Batch ID:	**25685**	Analysis Date:		2/21/2011 6:13:10 PM	
Diesel Range Organics (DRO)	6.357	mg/L	1.0	5	0	127	74	157	15.8	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 1102584-03AMSD		*MSD*				Batch ID:	**25674**	Analysis Date:		2/21/2011 6:18:27 PM	
Gasoline Range Organics (GRO)	26.60	mg/Kg	5.0	25	0	106	69.2	144	2.94	20.5	
Sample ID: MB-25674		*MBLK*				Batch ID:	**25674**	Analysis Date:		2/21/2011 8:42:49 PM	
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0								
Sample ID: LCS-25674		*LCS*				Batch ID:	**25674**	Analysis Date:		2/21/2011 6:47:22 PM	
Gasoline Range Organics (GRO)	26.43	mg/Kg	5.0	25	0	106	95.7	120			
Sample ID: 1102584-03AMS		*MS*				Batch ID:	**25674**	Analysis Date:		2/21/2011 5:49:31 PM	
Gasoline Range Organics (GRO)	25.83	mg/Kg	5.0	25	0	103	69.2	144			
Method: EPA Method 8015B: Gasoline Range											
Sample ID: B-31		*MBLK*				Batch ID:	**R43740**	Analysis Date:		2/19/2011 1:20:37 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R43740**	Analysis Date:		2/19/2011 6:09:20 AM	
Gasoline Range Organics (GRO)	0.5220	mg/L	0.050	0.5	0	104	83.7	124			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R43740**	Analysis Date:		2/19/2011 6:38:07 AM	
Gasoline Range Organics (GRO)	0.4694	mg/L	0.050	0.5	0	93.9	83.7	124	10.6	12	

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:** 1102584

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles											
Sample ID: 1102584-02AMSD		*MSD*				Batch ID:	**25674**	Analysis Date:		2/21/2011 7:45:06 PM	
Methyl tert-butyl ether (MTBE)	1.005	mg/Kg	0.10	1	0	100	61.3	215	3.59	19.6	
Benzene	0.9439	mg/Kg	0.050	1	0	94.4	67.2	113	0.0350	14.3	
Toluene	0.9112	mg/Kg	0.050	1	0	91.1	62.1	116	1.88	15.9	
Ethylbenzene	0.9419	mg/Kg	0.050	1	0	94.2	67.9	127	1.65	14.4	
Xylenes, Total	2.861	mg/Kg	0.10	3	0	95.4	60.6	134	1.31	12.6	
Sample ID: MB-25674		*MBLK*				Batch ID:	**25674**	Analysis Date:		2/21/2011 8:42:49 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-25674		*LCS*				Batch ID:	**25674**	Analysis Date:		2/21/2011 8:13:59 PM	
Methyl tert-butyl ether (MTBE)	1.008	mg/Kg	0.10	1	0	101	65.5	229			
Benzene	0.9536	mg/Kg	0.050	1	0	95.4	83.3	107			
Toluene	0.9016	mg/Kg	0.050	1	0	90.2	74.3	115			
Ethylbenzene	0.9377	mg/Kg	0.050	1	0.0106	92.7	80.9	122			
Xylenes, Total	2.875	mg/Kg	0.10	3	0.0149	95.3	85.2	123			
Sample ID: 1102584-02AMS		*MS*				Batch ID:	**25674**	Analysis Date:		2/21/2011 7:16:14 PM	
Methyl tert-butyl ether (MTBE)	0.9692	mg/Kg	0.10	1	0	96.9	61.3	215			
Benzene	0.9436	mg/Kg	0.050	1	0	94.4	67.2	113			
Toluene	0.9285	mg/Kg	0.050	1	0	92.9	62.1	116			
Ethylbenzene	0.9576	mg/Kg	0.050	1	0	95.8	67.9	127			
Xylenes, Total	2.898	mg/Kg	0.10	3	0	96.6	60.6	134			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Shaw Environmental, Inc.
Project: KAFB BFF **Work Order:** 1102584

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8081: Pesticides TCLP											
Sample ID: 1102584-03BMSD		*MSD*				Batch ID:	**25741**	Analysis Date:		2/24/2011 1:54:57 PM	
Endrin	0.0005350	mg/L	0.00010	0.0005	0	107	32.5	169	9.78	20	
gamma-BHC (Lindane)	0.0004830	mg/L	0.00010	0.0005	0	96.6	35.9	151	6.22	20	
Heptachlor	0.0004260	mg/L	0.00010	0.0005	0	85.2	18.6	179	5.92	20	
Heptachlor epoxide	0.0004580	mg/L	0.00010	0.0005	0	91.6	27	163	6.14	20	
Methoxychlor	0.0004990	mg/L	0.00010	0.0005	0	99.8	37.8	155	9.54	20	
Sample ID: MB-25741		*MBLK*				Batch ID:	**25741**	Analysis Date:		2/24/2011 11:36:46 AM	
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-25741		*LCS*				Batch ID:	**25741**	Analysis Date:		2/24/2011 11:53:54 AM	
Endrin	0.0004840	mg/L	0.00010	0.0005	0	96.8	40.1	129			
gamma-BHC (Lindane)	0.0004750	mg/L	0.00010	0.0005	0	95.0	35.7	132			
Heptachlor	0.0004400	mg/L	0.00010	0.0005	0	88.0	32.8	124			
Heptachlor epoxide	0.0004350	mg/L	0.00010	0.0005	0	87.0	35.9	131			
Methoxychlor	0.0004560	mg/L	0.00010	0.0005	0	91.2	45.5	128			
Sample ID: 1102584-03BMS		*MS*				Batch ID:	**25741**	Analysis Date:		2/24/2011 1:37:45 PM	
Endrin	0.0005900	mg/L	0.00010	0.0005	0	118	32.5	169			
gamma-BHC (Lindane)	0.0005140	mg/L	0.00010	0.0005	0	103	35.9	151			
Heptachlor	0.0004520	mg/L	0.00010	0.0005	0	90.4	18.6	179			
Heptachlor epoxide	0.0004870	mg/L	0.00010	0.0005	0	97.4	27	163			
Methoxychlor	0.0005490	mg/L	0.00010	0.0005	0	110	37.8	155			
Method: EPA Method 8151: Herbicides TCLP											
Sample ID: MB-R43850		*MBLK*				Batch ID:	**R43850**	Analysis Date:		2/24/2011	
2,4,5-TP (Silvex)	ND	mg/L	0.10								
2,4-D	ND	mg/L	0.10								
Sample ID: LCS-R43850		*LCS*				Batch ID:	**R43850**	Analysis Date:		2/24/2011	
2,4,5-TP (Silvex)	0.002480	mg/L	0.0010	0.003	0	99.2	50	150			
2,4-D	0.009180	mg/L	0.0010	0.01	0	91.8	50	150			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Shaw Environmental, Inc.
Project: KAFB BFF **Work Order:** 1102584

Method: **EPA Method 8260B: VOLATILES**
Sample ID: **b5** *MBLK* Batch ID: **R43765** Analysis Date: 2/21/2011 1:19:03 PM

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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:** 1102584

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b5		*MBLK*				Batch ID:	**R43765**	Analysis Date:	2/21/2011 1:19:03 PM		
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: b7		*MBLK*				Batch ID:	**R43765**	Analysis Date:	2/22/2011 12:52:38 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								

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: 1102584

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b7		*MBLK*				Batch ID:	**R43765**	Analysis Date:	2/22/2011 12:52:38 AM		
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: 100ng lcs		*LCS*				Batch ID:	**R43765**	Analysis Date:	2/21/2011 2:11:10 PM		

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:** 1102584

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R43765**	Analysis Date:		2/21/2011 2:11:10 PM	
Benzene	22.89	µg/L	1.0	20	0	114	84.6	109			S
Toluene	21.74	µg/L	1.0	20	0	109	81	114			
Chlorobenzene	20.15	µg/L	1.0	20	0	101	85.2	113			
1,1-Dichloroethene	23.93	µg/L	1.0	20	0	120	79.6	124			
Trichloroethene (TCE)	22.17	µg/L	1.0	20	0	111	78.3	102			S
Sample ID: 100ng lcs2		*LCS*				Batch ID:	**R43765**	Analysis Date:		2/22/2011 1:44:30 AM	
Benzene	21.72	µg/L	1.0	20	0	109	84.6	109			
Toluene	18.24	µg/L	1.0	20	0	91.2	81	114			
Chlorobenzene	17.76	µg/L	1.0	20	0	88.8	85.2	113			
1,1-Dichloroethene	22.59	µg/L	1.0	20	0	113	79.6	124			
Trichloroethene (TCE)	20.05	µg/L	1.0	20	0	100	78.3	102			

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:** 1102584

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: Volatiles by 8260B/1311											
Sample ID: 1102584-02BMSD		*MSD*				Batch ID:	**25723**	Analysis Date:		2/25/2011 7:02:36 AM	
Benzene	0.3652	mg/L	0.010	0.4	0	91.3	51.1	171	1.05	0	
Chlorobenzene	0.4246	mg/L	0.010	0.4	0.0019	106	36.1	191	3.89	0	
1,1-Dichloroethene	0.3748	mg/L	0.010	0.4	0	93.7	49.1	162	1.26	0	
Trichloroethene (TCE)	0.3557	mg/L	0.010	0.4	0	88.9	41.2	166	6.62	0	
Sample ID: mb-25737		*MBLK*				Batch ID:	**25737**	Analysis Date:		2/25/2011 12:29:42 AM	
Benzene	ND	mg/L	0.50								
2-Butanone	ND	mg/L	10								
Carbon Tetrachloride	ND	mg/L	0.50								
Chlorobenzene	ND	mg/L	100								
Chloroform	ND	mg/L	6.0								
1,4-Dichlorobenzene	ND	mg/L	7.5								
1,2-Dichloroethane (EDC)	ND	mg/L	0.50								
1,1-Dichloroethene	ND	mg/L	0.70								
Hexachlorobutadiene	ND	mg/L	0.50								
Tetrachloroethene (PCE)	ND	mg/L	0.70								
Trichloroethene (TCE)	ND	mg/L	0.50								
Vinyl chloride	ND	mg/L	0.20								
Sample ID: mb-25723		*MBLK*				Batch ID:	**25723**	Analysis Date:		2/25/2011 4:14:29 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-25737		*LCS*				Batch ID:	**25737**	Analysis Date:		2/25/2011 12:57:49 AM	
Benzene	0.3689	mg/L	0.010	0.4	0	92.2	51.1	171			
Chlorobenzene	0.4215	mg/L	0.010	0.4	0.0019	105	36.1	191			
1,1-Dichloroethene	0.3822	mg/L	0.010	0.4	0	95.6	49.1	162			
Trichloroethene (TCE)	0.3522	mg/L	0.010	0.4	0	88.0	41.2	166			
Sample ID: lcs-25723		*LCS*				Batch ID:	**25723**	Analysis Date:		2/25/2011 4:42:25 AM	
Benzene	0.3680	mg/L	0.010	0.4	0	92.0	51.1	171			
Chlorobenzene	0.4212	mg/L	0.010	0.4	0.0024	105	36.1	191			
1,1-Dichloroethene	0.3802	mg/L	0.010	0.4	0	95.0	49.1	162			
Trichloroethene (TCE)	0.3486	mg/L	0.010	0.4	0	87.2	41.2	166			
Sample ID: 1102584-02BMS		*MS*				Batch ID:	**25723**	Analysis Date:		2/25/2011 6:34:38 AM	
Benzene	0.3614	mg/L	0.010	0.4	0	90.4	51.1	171			
Chlorobenzene	0.4084	mg/L	0.010	0.4	0.0019	102	36.1	191			

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:** 1102584

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: Volatiles by 8260B/1311											
Sample ID: 1102584-02BMS		*MS*				Batch ID:	**25723**	Analysis Date:	2/25/2011 6:34:38 AM		
1,1-Dichloroethene	0.3701	mg/L	0.010	0.4	0	92.5	49.1	162			
Trichloroethene (TCE)	0.3329	mg/L	0.010	0.4	0	83.2	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:** 1102584

Method: **EPA Method 8270C: Semivolatiles**
Sample ID: **mb-25739** *MBLK* Batch ID: **25739** Analysis Date: 2/24/2011 2:09:04 PM

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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:** 1102584

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-25739		*MBLK*				Batch ID:	**25739**	Analysis Date:		2/24/2011 2:09:04 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-25739		*LCS*				Batch ID:	**25739**	Analysis Date:		2/24/2011 3:07:28 PM	
Acenaphthene	72.88	µg/L	10	100	0	72.9	31	99.4			
4-Chloro-3-methylphenol	137.6	µg/L	10	200	0	68.8	34.3	111			
2-Chlorophenol	127.1	µg/L	10	200	0	63.6	24.1	98.7			
1,4-Dichlorobenzene	64.36	µg/L	10	100	0	64.4	20.6	85.6			
2,4-Dinitrotoluene	65.96	µg/L	10	100	0	66.0	26.6	126			
N-Nitrosodi-n-propylamine	73.52	µg/L	10	100	0	73.5	29.2	94.4			
4-Nitrophenol	82.88	µg/L	10	200	0	41.4	9.87	86			
Pentachlorophenol	128.0	µg/L	20	200	0	64.0	20	97.8			
Phenol	89.56	µg/L	10	200	0	44.8	17.5	60.5			
Pyrene	70.50	µg/L	10	100	0	70.5	46.8	92.2			
1,2,4-Trichlorobenzene	64.80	µg/L	10	100	0	64.8	25.2	92.3			
Sample ID: lcsd-25739		*LCSD*				Batch ID:	**25739**	Analysis Date:		2/24/2011 3:36:39 PM	
Acenaphthene	72.14	µg/L	10	100	0	72.1	31	99.4	1.02	30	
4-Chloro-3-methylphenol	136.9	µg/L	10	200	0	68.4	34.3	111	0.554	30.8	
2-Chlorophenol	130.9	µg/L	10	200	0	65.5	24.1	98.7	2.98	31	
1,4-Dichlorobenzene	60.30	µg/L	10	100	0	60.3	20.6	85.6	6.51	37	
2,4-Dinitrotoluene	70.30	µg/L	10	100	0	70.3	26.6	126	6.37	34.5	

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:** 1102584

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-25739		*LCSD*				Batch ID:	**25739**	Analysis Date:		2/24/2011 3:36:39 PM	
N-Nitrosodi-n-propylamine	74.54	µg/L	10	100	0	74.5	29.2	94.4	1.38	30.8	
4-Nitrophenol	94.22	µg/L	10	200	0	47.1	9.87	86	12.8	61.1	
Pentachlorophenol	140.1	µg/L	20	200	0	70.1	20	97.8	9.01	64.8	
Phenol	91.44	µg/L	10	200	0	45.7	17.5	60.5	2.08	31.4	
Pyrene	84.76	µg/L	10	100	0	84.8	46.8	92.2	18.4	29.8	
1,2,4-Trichlorobenzene	61.82	µg/L	10	100	0	61.8	25.2	92.3	4.71	30.9	

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: 1102584

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C TCLP											
Sample ID: 1102584-03Bmsd		*MSD*				Batch ID:	**25740**	Analysis Date:		2/24/2011 9:51:28 PM	
2,4-Dinitrotoluene	0.1002	mg/L	0.010	0.1	0	100	18.8	132	39.3	27.2	R
Hexachlorobenzene	0.06754	mg/L	0.010	0.1	0	67.5	23.2	85.1	20.1	23	
Hexachlorobutadiene	0.06644	mg/L	0.010	0.1	0	66.4	19.4	95.4	5.51	21.6	
Hexachloroethane	0.07252	mg/L	0.010	0.1	0	72.5	21.2	93.4	19.2	30	
Nitrobenzene	0.06900	mg/L	0.010	0.1	0	69.0	26.6	104	5.47	23.4	
Pentachlorophenol	0.1328	mg/L	0.010	0.1	0	133	10	91.1	4.81	58.6	S
Pyridine	0.06836	mg/L	0.010	0.1	0	68.4	4.93	76.8	15.8	35.4	
2,4,5-Trichlorophenol	0.1003	mg/L	0.010	0.1	0	100	10	105	15.2	58.3	
2,4,6-Trichlorophenol	0.08478	mg/L	0.010	0.1	0	84.8	9.42	99.5	4.22	57.7	
Cresols, Total	0.2629	mg/L	0.010	0.3	0	87.6	17.9	97.2	22.9	25.4	
Sample ID: mb-25740		*MBLK*				Batch ID:	**25740**	Analysis Date:		2/24/2011 2:38:10 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-25740		*LCS*				Batch ID:	**25740**	Analysis Date:		2/24/2011 7:00:02 PM	
2,4-Dinitrotoluene	0.06274	mg/L	0.010	0.1	0	62.7	21.5	129			
Hexachlorobenzene	0.04578	mg/L	0.010	0.1	0	45.8	26.2	83.3			
Hexachlorobutadiene	0.05278	mg/L	0.010	0.1	0	52.8	25.9	83.4			
Hexachloroethane	0.05290	mg/L	0.010	0.1	0	52.9	30.5	77.5			
Nitrobenzene	0.05788	mg/L	0.010	0.1	0	57.9	34.6	97.6			
Pentachlorophenol	0.1302	mg/L	0.010	0.1	0	130	13.3	88.7			S
Pyridine	0.02654	mg/L	0.010	0.1	0	26.5	5.1	70.6			
2,4,5-Trichlorophenol	0.07644	mg/L	0.010	0.1	0	76.4	11.7	104			
2,4,6-Trichlorophenol	0.06838	mg/L	0.010	0.1	0	68.4	11.6	100			
Cresols, Total	0.1739	mg/L	0.010	0.3	0	58.0	29.6	87			
Sample ID: 1102584-03Bms		*MS*				Batch ID:	**25740**	Analysis Date:		2/24/2011 9:22:48 PM	
2,4-Dinitrotoluene	0.06732	mg/L	0.010	0.1	0	67.3	18.8	132			
Hexachlorobenzene	0.05522	mg/L	0.010	0.1	0	55.2	23.2	85.1			
Hexachlorobutadiene	0.06288	mg/L	0.010	0.1	0	62.9	19.4	95.4			
Hexachloroethane	0.05980	mg/L	0.010	0.1	0	59.8	21.2	93.4			
Nitrobenzene	0.07288	mg/L	0.010	0.1	0	72.9	26.6	104			
Pentachlorophenol	0.1266	mg/L	0.010	0.1	0	127	10	91.1			S
Pyridine	0.05836	mg/L	0.010	0.1	0	58.4	4.93	76.8			
2,4,5-Trichlorophenol	0.08614	mg/L	0.010	0.1	0	86.1	10	105			
2,4,6-Trichlorophenol	0.08128	mg/L	0.010	0.1	0	81.3	9.42	99.5			
Cresols, Total	0.2089	mg/L	0.010	0.3	0	69.6	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: 1102584

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: MERCURY, TCLP											
Sample ID: MB-25746		*MBLK*				Batch ID:	**25746**	Analysis Date:		2/24/2011 12:50:22 PM	
Mercury	ND	mg/L	0.020								
Sample ID: LCS-25746		*LCS*				Batch ID:	**25746**	Analysis Date:		2/24/2011 12:52:05 PM	
Mercury	ND	mg/L	0.020	0.005	0	103	80	120			
Method: EPA Method 6010B: TCLP Metals											
Sample ID: 1102584-02BMSD		*MSD*				Batch ID:	**25742**	Analysis Date:		2/24/2011 6:41:30 PM	
Arsenic	ND	mg/L	5.0	0.5	0	103	75	125	0	20	
Barium	ND	mg/L	100	0.5	0.362	88.9	75	125	0	20	
Cadmium	ND	mg/L	1.0	0.5	0	101	75	125	0	20	
Chromium	ND	mg/L	5.0	0.5	0	94.9	75	125	0	20	
Lead	ND	mg/L	5.0	0.5	0.003	90.9	75	125	0	20	
Selenium	ND	mg/L	1.0	0.5	0	107	75	125	0	20	
Silver	ND	mg/L	5.0	0.5	0	105	75	125	0	20	
Sample ID: MB-25742		*MBLK*				Batch ID:	**25742**	Analysis Date:		2/24/2011 5:36:14 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-25742		*LCS*				Batch ID:	**25742**	Analysis Date:		2/24/2011 5:38:39 PM	
Arsenic	ND	mg/L	5.0	0.5	0	115	80	120			
Barium	ND	mg/L	100	0.5	0.0007	98.4	80	120			
Cadmium	ND	mg/L	1.0	0.5	0	108	80	120			
Chromium	ND	mg/L	5.0	0.5	0	100	80	120			
Lead	ND	mg/L	5.0	0.5	0	97.9	80	120			
Selenium	ND	mg/L	1.0	0.5	0	119	80	120			
Silver	ND	mg/L	5.0	0.5	0	112	80	120			
Sample ID: 1102584-02BMS		*MS*				Batch ID:	**25742**	Analysis Date:		2/24/2011 6:37:51 PM	
Arsenic	ND	mg/L	5.0	0.5	0	109	75	125			
Barium	ND	mg/L	100	0.5	0.362	95.7	75	125			
Cadmium	ND	mg/L	1.0	0.5	0	107	75	125			
Chromium	ND	mg/L	5.0	0.5	0	98.4	75	125			
Lead	ND	mg/L	5.0	0.5	0.003	94.8	75	125			
Selenium	ND	mg/L	1.0	0.5	0	116	75	125			
Silver	ND	mg/L	5.0	0.5	0	110	75	125			
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-25683		*MBLK*				Batch ID:	**25683**	Analysis Date:		2/22/2011 8:25:59 AM	
Lead	ND	mg/L	0.0050								
Sample ID: LCS-25683		*LCS*				Batch ID:	**25683**	Analysis Date:		2/22/2011 8:29:01 AM	
Lead	0.5113	mg/L	0.0050	0.5	0	102	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:** 1102584

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: CYANIDE, Reactive											
Sample ID: MB-R43850		*MBLK*				Batch ID:	**R43850**	Analysis Date:			2/25/2011
Reactive Cyanide	ND	mg/Kg	10								
Sample ID: LCS-R43850		*LCS*				Batch ID:	**R43850**	Analysis Date:			2/25/2011
Reactive Cyanide	0.5040	mg/Kg	0.10	0.5	0	101	70	130			
Method: SULFIDE, Reactive											
Sample ID: MB-R43850		*MBLK*				Batch ID:	**R43850**	Analysis Date:			2/25/2011
Reactive Sulfide	ND	mg/Kg	10								
Sample ID: LCS-R43850		*LCS*				Batch ID:	**R43850**	Analysis Date:			2/25/2011
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: 2/17/2011

Work Order Number 1102584

Received by: AMG

Sample ID labels checked by: dam
Initials

Checklist completed by: [signature] 02/17/11
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?	**21.3°**	*<6° C Acceptable* If given sufficient time to cool.		

Number of preserved bottles checked for pH: 2

<2 >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

21.3°C

Shaw™ Shaw E & I

CHAIN OF CUSTODY

Ref. Document # 140705-IDW014

Page 1 of 2

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

Project Contact: Pamela Moss (Name & phone #)

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

Shipment Date: 2/17/11
Waybill/Airbill Number: Courier
Lab Destination: Hall. Environ.
Lab Contact Name / ph. #: Hall Environ.

Sampler's Name(s):

	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	8260B/GRO	8270C/DRO	6010C - Lead					Turn Around Time Requested
1102584-1	106101 IDW1	Rolloff - Drill Cuttings	2/17/11	1330	C	SOL	3	8 oz.						X	X									10d
-1	"	"	2/17/11	1330	C	SOL	1	4 oz.						X		X								10d
-2	106108 IDW1	Rolloff - Drill Cuttings	2/17/11	1333	C	SOL	3	8 oz.						X	X									10d
-2	"	"	2/17/11	1333	C	SOL	1	4 oz.						X		X								10d
-3	106108 IDW2	Rolloff - Drill Cuttings	2/17/11	1335	C	SOL	3	8 oz.						X	X									10d
-3	"	"	2/17/11	1335	C	SOL	1	4 oz.						X		X								10d
-4	106113WW1	Decon Wastewater	2/17/11	1340	G	WW	5	40 mL VOA	X								X							10d
-4	"	"	2/17/11	1340	G	WW	2	Amber						X				X						10d
-4	"	"	2/17/11	1340	G	WW	1	500 mL bottle			X								X					10d
-5	106109 WW1	Decon Wastewater	2/17/11	1345	G	WW	5	40 mL VOA	X								X							10d

Special Instructions:

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

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Kimberly Jones Kimberly Jones	2/17/11	1547	[signature]	2/17/11	1647
Relinquished By:	Date:	Time:	Received By:	Date: 2/17/11	Time: 1621
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

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

Shaw® Shaw E & I

FS003.1_0

Form 3. Shaw E & I COC Continuation Page

COC Ref. Document # 140705 - IDW014 Page 2 of 2

Project Number: 140705

Shipment Date: 2/17/11

Project Name / Location: KAPB BFF

	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 8270C/GRO	6010C - Lead									Turn Around Time Requested
1102584_5	106109WW1	Decon Wastewater	2/17/11	1345	G	WW	2	Amber						X	X										10d
	"	"	2/17/11	1345	G	WW	1	500mL bottle			X					X									10d