HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Tuesday, March 01, 2011

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

TEL: (720) 554-8252
FAX

RE: KAFB BFF

Order No.: 1102634

Dear Pamela Moss:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 2/18/2011 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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Mar-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106115IDW2
Lab Order:	1102634	**Collection Date:**	2/18/2011 1:15:00 PM
Project:	KAFB BFF	**Date Received:**	2/18/2011
Lab ID:	1102634-01	**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 2:12:10 PM
Endrin	ND	0.020		mg/L	1	2/24/2011 2:12:10 PM
gamma-BHC (Lindane)	ND	0.40		mg/L	1	2/24/2011 2:12:10 PM
Heptachlor	ND	0.0080		mg/L	1	2/24/2011 2:12:10 PM
Heptachlor epoxide	ND	0.0080		mg/L	1	2/24/2011 2:12:10 PM
Methoxychlor	ND	10		mg/L	1	2/24/2011 2:12:10 PM
Toxaphene	ND	0.50		mg/L	1	2/24/2011 2:12:10 PM
Surr: Decachlorobiphenyl	46.2	39-142		%REC	1	2/24/2011 2:12:10 PM
Surr: Tetrachloro-m-xylene	39.8	38.7-136		%REC	1	2/24/2011 2:12:10 PM
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **JB**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/23/2011 6:41:44 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/23/2011 6:41:44 PM
Surr: DNOP	102	81.8-129		%REC	1	2/23/2011 6:41:44 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/22/2011 11:51:49 PM
Surr: BFB	96.4	89.7-125		%REC	1	2/22/2011 11:51:49 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	2/22/2011 11:51:49 PM
Benzene	ND	0.050		mg/Kg	1	2/22/2011 11:51:49 PM
Toluene	ND	0.050		mg/Kg	1	2/22/2011 11:51:49 PM
Ethylbenzene	ND	0.050		mg/Kg	1	2/22/2011 11:51:49 PM
Xylenes, Total	ND	0.10		mg/Kg	1	2/22/2011 11:51:49 PM
Surr: 4-Bromofluorobenzene	116	85.3-139		%REC	1	2/22/2011 11:51:49 PM
MERCURY, TCLP						Analyst: **IC**
Mercury	ND	0.020		mg/L	1	2/28/2011 2:33:44 PM
EPA METHOD 6010B: TCLP METALS						Analyst: **RAGS**
Arsenic	ND	5.0		mg/L	1	2/25/2011 12:14:16 PM
Barium	ND	100		mg/L	1	2/25/2011 12:14:16 PM
Cadmium	ND	1.0		mg/L	1	2/25/2011 12:14:16 PM
Chromium	ND	5.0		mg/L	1	2/25/2011 12:14:16 PM
Lead	ND	5.0		mg/L	1	2/25/2011 12:14:16 PM
Selenium	ND	1.0		mg/L	1	2/25/2011 12:14:16 PM
Silver	ND	5.0		mg/L	1	2/25/2011 12:14:16 PM
EPA METHOD 8270C TCLP						Analyst: **JDC**
2,4-Dinitrotoluene	ND	0.13		mg/L	1	2/24/2011 10:20:02 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: *01-Mar-11*

CLIENT: Shaw Environmental, Inc.
Lab Order: 1102634
Project: KAFB BFF
Lab ID: 1102634-01

Client Sample ID: 106115IDW2
Collection Date: 2/18/2011 1:15:00 PM
Date Received: 2/18/2011
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: **JDC**
EPA METHOD 8270C TCLP						
Hexachlorobenzene	ND	0.13		mg/L	1	2/24/2011 10:20:02 PM
Hexachlorobutadiene	ND	0.50		mg/L	1	2/24/2011 10:20:02 PM
Hexachloroethane	ND	3.0		mg/L	1	2/24/2011 10:20:02 PM
Nitrobenzene	ND	2.0		mg/L	1	2/24/2011 10:20:02 PM
Pentachlorophenol	ND	100		mg/L	1	2/24/2011 10:20:02 PM
Pyridine	ND	5.0		mg/L	1	2/24/2011 10:20:02 PM
2,4,5-Trichlorophenol	ND	400		mg/L	1	2/24/2011 10:20:02 PM
2,4,6-Trichlorophenol	ND	2.0		mg/L	1	2/24/2011 10:20:02 PM
Cresols, Total	ND	200		mg/L	1	2/24/2011 10:20:02 PM
Surr: 2,4,6-Tribromophenol	40.5	21.6-121		%REC	1	2/24/2011 10:20:02 PM
Surr: 2-Fluorobiphenyl	60.7	36.3-107		%REC	1	2/24/2011 10:20:02 PM
Surr: 2-Fluorophenol	23.0	7.63-90		%REC	1	2/24/2011 10:20:02 PM
Surr: 4-Terphenyl-d14	90.2	39-110		%REC	1	2/24/2011 10:20:02 PM
Surr: Nitrobenzene-d5	60.4	36.9-110		%REC	1	2/24/2011 10:20:02 PM
Surr: Phenol-d5	31.5	13.3-67.7		%REC	1	2/24/2011 10:20:02 PM
						Analyst: **MMS**
VOLATILES BY 8260B/1311						
Benzene	ND	0.50		mg/L	1	2/25/2011 1:53:57 AM
2-Butanone	ND	10		mg/L	1	2/25/2011 1:53:57 AM
Carbon Tetrachloride	ND	0.50		mg/L	1	2/25/2011 1:53:57 AM
Chlorobenzene	ND	100		mg/L	1	2/25/2011 1:53:57 AM
Chloroform	ND	6.0		mg/L	1	2/25/2011 1:53:57 AM
1,4-Dichlorobenzene	ND	7.5		mg/L	1	2/25/2011 1:53:57 AM
1,2-Dichloroethane (EDC)	ND	0.50		mg/L	1	2/25/2011 1:53:57 AM
1,1-Dichloroethene	ND	0.70		mg/L	1	2/25/2011 1:53:57 AM
Hexachlorobutadiene	ND	0.50		mg/L	1	2/25/2011 1:53:57 AM
Tetrachloroethene (PCE)	ND	0.70		mg/L	1	2/25/2011 1:53:57 AM
Trichloroethene (TCE)	ND	0.50		mg/L	1	2/25/2011 1:53:57 AM
Vinyl chloride	ND	0.20		mg/L	1	2/25/2011 1:53:57 AM
Surr: 1,2-Dichloroethane-d4	89.0	69.9-130		%REC	1	2/25/2011 1:53:57 AM
Surr: 4-Bromofluorobenzene	109	71.2-123		%REC	1	2/25/2011 1:53:57 AM
Surr: Dibromofluoromethane	112	73.9-134		%REC	1	2/25/2011 1:53:57 AM
Surr: Toluene-d8	98.8	81.9-122		%REC	1	2/25/2011 1:53:57 AM
						Analyst: **ANTE**
EPA METHOD 8151: HERBICIDES TCLP						
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
						Analyst: **ANTE**
CORROSIVITY						
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: *01-Mar-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106115IDW2
Lab Order:	1102634	**Collection Date:**	2/18/2011 1:15:00 PM
Project:	KAFB BFF	**Date Received:**	2/18/2011
Lab ID:	1102634-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
IGNITABILITY (SUBBED)						Analyst: **ANTE**
Ignitability	Negative			°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
- 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: *01-Mar-11*

CLIENT: Shaw Environmental, Inc.
Lab Order: 1102634
Project: KAFB BFF
Lab ID: 1102634-02

Client Sample ID: 106133WW1
Collection Date: 2/18/2011 2:35:00 PM
Date Received: 2/18/2011
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: JB
EPA METHOD 8015B: DIESEL RANGE						
Diesel Range Organics (DRO)	4.8	1.0		mg/L	1	2/22/2011 7:17:36 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/22/2011 7:17:36 AM
Surr: DNOP	117	86.9-151		%REC	1	2/22/2011 7:17:36 AM
						Analyst: NSB
EPA METHOD 8015B: GASOLINE RANGE						
Gasoline Range Organics (GRO)	0.11	0.050		mg/L	1	2/23/2011 5:41:43 PM
Surr: BFB	96.2	79.4-132		%REC	1	2/23/2011 5:41:43 PM
						Analyst: RAGS
EPA 6010B: TOTAL RECOVERABLE METALS						
Lead	0.015	0.0050		mg/L	1	2/24/2011 2:52:37 PM
						Analyst: JDC
EPA METHOD 8270C: SEMIVOLATILES						
Acenaphthene	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Acenaphthylene	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Aniline	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Anthracene	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Azobenzene	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Benz(a)anthracene	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Benzo(a)pyrene	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Benzoic acid	ND	20		µg/L	1	2/24/2011 5:04:24 PM
Benzyl alcohol	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Bis(2-ethylhexyl)phthalate	13	10		µg/L	1	2/24/2011 5:04:24 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Butyl benzyl phthalate	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Carbazole	ND	10		µg/L	1	2/24/2011 5:04:24 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	2/24/2011 5:04:24 PM
4-Chloroaniline	ND	10		µg/L	1	2/24/2011 5:04:24 PM
2-Chloronaphthalene	ND	10		µg/L	1	2/24/2011 5:04:24 PM
2-Chlorophenol	ND	10		µg/L	1	2/24/2011 5:04:24 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Chrysene	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Di-n-butyl phthalate	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Di-n-octyl phthalate	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Dibenzofuran	ND	10		µg/L	1	2/24/2011 5:04:24 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: *01-Mar-11*

CLIENT: Shaw Environmental, Inc.
Lab Order: 1102634
Project: KAFB BFF
Lab ID: 1102634-02

Client Sample ID: 106133WW1
Collection Date: 2/18/2011 2:35:00 PM
Date Received: 2/18/2011
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 5:04:24 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	2/24/2011 5:04:24 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	2/24/2011 5:04:24 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Diethyl phthalate	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Dimethyl phthalate	ND	10		µg/L	1	2/24/2011 5:04:24 PM
2,4-Dichlorophenol	ND	20		µg/L	1	2/24/2011 5:04:24 PM
2,4-Dimethylphenol	ND	10		µg/L	1	2/24/2011 5:04:24 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	2/24/2011 5:04:24 PM
2,4-Dinitrophenol	ND	20		µg/L	1	2/24/2011 5:04:24 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	2/24/2011 5:04:24 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Fluoranthene	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Fluorene	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Hexachlorobenzene	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Hexachlorobutadiene	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Hexachloroethane	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Isophorone	ND	10		µg/L	1	2/24/2011 5:04:24 PM
2-Methylnaphthalene	ND	10		µg/L	1	2/24/2011 5:04:24 PM
2-Methylphenol	ND	10		µg/L	1	2/24/2011 5:04:24 PM
3+4-Methylphenol	11	10		µg/L	1	2/24/2011 5:04:24 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	2/24/2011 5:04:24 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	2/24/2011 5:04:24 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Naphthalene	ND	10		µg/L	1	2/24/2011 5:04:24 PM
2-Nitroaniline	ND	10		µg/L	1	2/24/2011 5:04:24 PM
3-Nitroaniline	ND	10		µg/L	1	2/24/2011 5:04:24 PM
4-Nitroaniline	ND	20		µg/L	1	2/24/2011 5:04:24 PM
Nitrobenzene	ND	10		µg/L	1	2/24/2011 5:04:24 PM
2-Nitrophenol	ND	10		µg/L	1	2/24/2011 5:04:24 PM
4-Nitrophenol	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Pentachlorophenol	ND	20		µg/L	1	2/24/2011 5:04:24 PM
Phenanthrene	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Phenol	23	10		µg/L	1	2/24/2011 5:04:24 PM
Pyrene	ND	10		µg/L	1	2/24/2011 5:04:24 PM
Pyridine	ND	10		µg/L	1	2/24/2011 5:04:24 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	2/24/2011 5:04:24 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	2/24/2011 5:04:24 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	2/24/2011 5:04:24 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: *01-Mar-11*

CLIENT: Shaw Environmental, Inc.
Lab Order: 1102634
Project: KAFB BFF
Lab ID: 1102634-02

Client Sample ID: 106133WW1
Collection Date: 2/18/2011 2:35:00 PM
Date Received: 2/18/2011
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: 2,4,6-Tribromophenol	49.3	17.5-104		%REC	1	2/24/2011 5:04:24 PM
Surr: 2-Fluorobiphenyl	72.5	30.9-98.9		%REC	1	2/24/2011 5:04:24 PM
Surr: 2-Fluorophenol	49.7	12.4-90.1		%REC	1	2/24/2011 5:04:24 PM
Surr: 4-Terphenyl-d14	90.1	43.5-91.9		%REC	1	2/24/2011 5:04:24 PM
Surr: Nitrobenzene-d5	76.0	26.2-108		%REC	1	2/24/2011 5:04:24 PM
Surr: Phenol-d5	54.5	11.8-73.1		%REC	1	2/24/2011 5:04:24 PM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
Toluene	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
Ethylbenzene	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
Naphthalene	ND	2.0		µg/L	1	2/23/2011 9:48:05 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	2/23/2011 9:48:05 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	2/23/2011 9:48:05 PM
Acetone	23	10		µg/L	1	2/23/2011 9:48:05 PM
Bromobenzene	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
Bromodichloromethane	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
Bromoform	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
Bromomethane	ND	3.0		µg/L	1	2/23/2011 9:48:05 PM
2-Butanone	12	10		µg/L	1	2/23/2011 9:48:05 PM
Carbon disulfide	ND	10		µg/L	1	2/23/2011 9:48:05 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
Chlorobenzene	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
Chloroethane	ND	2.0		µg/L	1	2/23/2011 9:48:05 PM
Chloroform	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
Chloromethane	ND	3.0		µg/L	1	2/23/2011 9:48:05 PM
2-Chlorotoluene	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
4-Chlorotoluene	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
cis-1,2-DCE	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/23/2011 9:48:05 PM
Dibromochloromethane	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
Dibromomethane	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/23/2011 9:48:05 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: *01-Mar-11*

CLIENT: Shaw Environmental, Inc.
Lab Order: 1102634
Project: KAFB BFF
Lab ID: 1102634-02

Client Sample ID: 106133WW1
Collection Date: 2/18/2011 2:35:00 PM
Date Received: 2/18/2011
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: RAA
EPA METHOD 8260B: VOLATILES						
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	2/23/2011 9:48:05 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
2-Hexanone	ND	10		µg/L	1	2/23/2011 9:48:05 PM
Isopropylbenzene	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
4-Methyl-2-pentanone	14	10		µg/L	1	2/23/2011 9:48:05 PM
Methylene Chloride	ND	3.0		µg/L	1	2/23/2011 9:48:05 PM
n-Butylbenzene	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
n-Propylbenzene	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
sec-Butylbenzene	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
Styrene	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
tert-Butylbenzene	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/23/2011 9:48:05 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
trans-1,2-DCE	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/23/2011 9:48:05 PM
Vinyl chloride	ND	1.0		µg/L	1	2/23/2011 9:48:05 PM
Xylenes, Total	ND	1.5		µg/L	1	2/23/2011 9:48:05 PM
Surr: 1,2-Dichloroethane-d4	105	77.7-113		%REC	1	2/23/2011 9:48:05 PM
Surr: 4-Bromofluorobenzene	107	76.4-106	S	%REC	1	2/23/2011 9:48:05 PM
Surr: Dibromofluoromethane	107	91.6-125		%REC	1	2/23/2011 9:48:05 PM
Surr: Toluene-d8	102	92.3-107		%REC	1	2/23/2011 9:48:05 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: *01-Mar-11*

CLIENT: Shaw Environmental, Inc.
Lab Order: 1102634
Project: KAFB BFF
Lab ID: 1102634-03

Client Sample ID: 106132WW1
Collection Date: 2/18/2011 2:45:00 PM
Date Received: 2/18/2011
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	2.6	1.0		mg/L	1	2/22/2011 7:51:40 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	2/22/2011 7:51:40 AM
Surr: DNOP	112	86.9-151		%REC	1	2/22/2011 7:51:40 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.20	0.050		mg/L	1	2/23/2011 6:11:54 PM
Surr: BFB	95.8	79.4-132		%REC	1	2/23/2011 6:11:54 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Lead	0.072	0.0050		mg/L	1	2/24/2011 2:55:38 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Acenaphthylene	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Aniline	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Anthracene	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Azobenzene	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Benz(a)anthracene	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Benzo(a)pyrene	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Benzoic acid	ND	20		µg/L	1	2/24/2011 5:33:30 PM
Benzyl alcohol	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Bis(2-ethylhexyl)phthalate	14	10		µg/L	1	2/24/2011 5:33:30 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Butyl benzyl phthalate	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Carbazole	ND	10		µg/L	1	2/24/2011 5:33:30 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	2/24/2011 5:33:30 PM
4-Chloroaniline	ND	10		µg/L	1	2/24/2011 5:33:30 PM
2-Chloronaphthalene	ND	10		µg/L	1	2/24/2011 5:33:30 PM
2-Chlorophenol	ND	10		µg/L	1	2/24/2011 5:33:30 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Chrysene	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Di-n-butyl phthalate	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Di-n-octyl phthalate	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Dibenzofuran	ND	10		µg/L	1	2/24/2011 5:33:30 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: *01-Mar-11*

CLIENT: Shaw Environmental, Inc.
Lab Order: 1102634
Project: KAFB BFF
Lab ID: 1102634-03

Client Sample ID: 106132WW1
Collection Date: 2/18/2011 2:45:00 PM
Date Received: 2/18/2011
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: JDC
EPA METHOD 8270C: SEMIVOLATILES						
1,2-Dichlorobenzene	ND	10		µg/L	1	2/24/2011 5:33:30 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	2/24/2011 5:33:30 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	2/24/2011 5:33:30 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Diethyl phthalate	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Dimethyl phthalate	ND	10		µg/L	1	2/24/2011 5:33:30 PM
2,4-Dichlorophenol	ND	20		µg/L	1	2/24/2011 5:33:30 PM
2,4-Dimethylphenol	ND	10		µg/L	1	2/24/2011 5:33:30 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	2/24/2011 5:33:30 PM
2,4-Dinitrophenol	ND	20		µg/L	1	2/24/2011 5:33:30 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	2/24/2011 5:33:30 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Fluoranthene	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Fluorene	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Hexachlorobenzene	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Hexachlorobutadiene	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Hexachloroethane	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Isophorone	ND	10		µg/L	1	2/24/2011 5:33:30 PM
2-Methylnaphthalene	ND	10		µg/L	1	2/24/2011 5:33:30 PM
2-Methylphenol	ND	10		µg/L	1	2/24/2011 5:33:30 PM
3+4-Methylphenol	ND	10		µg/L	1	2/24/2011 5:33:30 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	2/24/2011 5:33:30 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	2/24/2011 5:33:30 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Naphthalene	ND	10		µg/L	1	2/24/2011 5:33:30 PM
2-Nitroaniline	ND	10		µg/L	1	2/24/2011 5:33:30 PM
3-Nitroaniline	ND	10		µg/L	1	2/24/2011 5:33:30 PM
4-Nitroaniline	ND	20		µg/L	1	2/24/2011 5:33:30 PM
Nitrobenzene	ND	10		µg/L	1	2/24/2011 5:33:30 PM
2-Nitrophenol	ND	10		µg/L	1	2/24/2011 5:33:30 PM
4-Nitrophenol	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Pentachlorophenol	ND	20		µg/L	1	2/24/2011 5:33:30 PM
Phenanthrene	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Phenol	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Pyrene	ND	10		µg/L	1	2/24/2011 5:33:30 PM
Pyridine	ND	10		µg/L	1	2/24/2011 5:33:30 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	2/24/2011 5:33:30 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	2/24/2011 5:33:30 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	2/24/2011 5:33:30 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: *01-Mar-11*

CLIENT:	Shaw Environmental, Inc.	**Client Sample ID:**	106132WW1
Lab Order:	1102634	**Collection Date:**	2/18/2011 2:45:00 PM
Project:	KAFB BFF	**Date Received:**	2/18/2011
Lab ID:	1102634-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: **JDC**
EPA METHOD 8270C: SEMIVOLATILES						
Surr: 2,4,6-Tribromophenol	93.1	17.5-104		%REC	1	2/24/2011 5:33:30 PM
Surr: 2-Fluorobiphenyl	72.2	30.9-98.9		%REC	1	2/24/2011 5:33:30 PM
Surr: 2-Fluorophenol	61.7	12.4-90.1		%REC	1	2/24/2011 5:33:30 PM
Surr: 4-Terphenyl-d14	92.4	43.5-91.9	S	%REC	1	2/24/2011 5:33:30 PM
Surr: Nitrobenzene-d5	69.4	26.2-108		%REC	1	2/24/2011 5:33:30 PM
Surr: Phenol-d5	55.2	11.8-73.1		%REC	1	2/24/2011 5:33:30 PM
						Analyst: **RAA**
EPA METHOD 8260B: VOLATILES						
Benzene	5.5	1.0		µg/L	1	2/23/2011 10:15:31 PM
Toluene	24	1.0		µg/L	1	2/23/2011 10:15:31 PM
Ethylbenzene	3.8	1.0		µg/L	1	2/23/2011 10:15:31 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
Naphthalene	ND	2.0		µg/L	1	2/23/2011 10:15:31 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	2/23/2011 10:15:31 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	2/23/2011 10:15:31 PM
Acetone	17	10		µg/L	1	2/23/2011 10:15:31 PM
Bromobenzene	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
Bromodichloromethane	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
Bromoform	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
Bromomethane	ND	3.0		µg/L	1	2/23/2011 10:15:31 PM
2-Butanone	ND	10		µg/L	1	2/23/2011 10:15:31 PM
Carbon disulfide	ND	10		µg/L	1	2/23/2011 10:15:31 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
Chlorobenzene	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
Chloroethane	ND	2.0		µg/L	1	2/23/2011 10:15:31 PM
Chloroform	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
Chloromethane	ND	3.0		µg/L	1	2/23/2011 10:15:31 PM
2-Chlorotoluene	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
4-Chlorotoluene	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
cis-1,2-DCE	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	2/23/2011 10:15:31 PM
Dibromochloromethane	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
Dibromomethane	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	2/23/2011 10:15:31 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: *01-Mar-11*

CLIENT: Shaw Environmental, Inc.
Lab Order: 1102634
Project: KAFB BFF
Lab ID: 1102634-03

Client Sample ID: 106132WW1
Collection Date: 2/18/2011 2:45:00 PM
Date Received: 2/18/2011
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: RAA
EPA METHOD 8260B: VOLATILES						
Dichlorodifluoromethane	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	2/23/2011 10:15:31 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
2-Hexanone	ND	10		µg/L	1	2/23/2011 10:15:31 PM
Isopropylbenzene	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	2/23/2011 10:15:31 PM
Methylene Chloride	ND	3.0		µg/L	1	2/23/2011 10:15:31 PM
n-Butylbenzene	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
n-Propylbenzene	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
sec-Butylbenzene	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
Styrene	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
tert-Butylbenzene	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	2/23/2011 10:15:31 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
trans-1,2-DCE	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	2/23/2011 10:15:31 PM
Vinyl chloride	ND	1.0		µg/L	1	2/23/2011 10:15:31 PM
Xylenes, Total	10	1.5		µg/L	1	2/23/2011 10:15:31 PM
Surr: 1,2-Dichloroethane-d4	110	77.7-113		%REC	1	2/23/2011 10:15:31 PM
Surr: 4-Bromofluorobenzene	106	76.4-106		%REC	1	2/23/2011 10:15:31 PM
Surr: Dibromofluoromethane	107	91.6-125		%REC	1	2/23/2011 10:15:31 PM
Surr: Toluene-d8	103	92.3-107		%REC	1	2/23/2011 10:15:31 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

QA/QC SUMMARY REPORT

Client: Shaw Environmental, Inc.
Project: KAFB BFF
Work Order: 1102634

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range Organics											
Sample ID: MB-25701		*MBLK*				Batch ID:	**25701**	Analysis Date:		2/22/2011 10:28:05 AM	
Diesel Range Organics (DRO)	ND	mg/Kg	10								
Motor Oil Range Organics (MRO)	ND	mg/Kg	50								
Sample ID: LCS-25701		*LCS*				Batch ID:	**25701**	Analysis Date:		2/22/2011 11:02:31 AM	
Diesel Range Organics (DRO)	58.56	mg/Kg	10	50	0	117	66.2	120			
Sample ID: LCSD-25701		*LCSD*				Batch ID:	**25701**	Analysis Date:		2/22/2011 11:36:57 AM	
Diesel Range Organics (DRO)	58.24	mg/Kg	10	50	0	116	66.2	120	0.546	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: MB-25703		*MBLK*				Batch ID:	**25703**	Analysis Date:		2/22/2011 8:51:26 PM	
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0								
Sample ID: LCS-25703		*LCS*				Batch ID:	**25703**	Analysis Date:		2/22/2011 6:48:21 PM	
Gasoline Range Organics (GRO)	25.72	mg/Kg	5.0	25	0	103	95.7	120			
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R43806**	Analysis Date:		2/23/2011 9:16:57 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R43806**	Analysis Date:		2/23/2011 7:42:01 PM	
Gasoline Range Organics (GRO)	0.5006	mg/L	0.050	0.5	0	100	83.7	124			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R43806**	Analysis Date:		2/23/2011 8:12:08 PM	
Gasoline Range Organics (GRO)	0.4840	mg/L	0.050	0.5	0	96.8	83.7	124	3.37	12	
Method: EPA Method 8021B: Volatiles											
Sample ID: MB-25703		*MBLK*				Batch ID:	**25703**	Analysis Date:		2/22/2011 8:51:26 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-25703		*LCS*				Batch ID:	**25703**	Analysis Date:		2/22/2011 8:21:25 PM	
Methyl tert-butyl ether (MTBE)	1.280	mg/Kg	0.10	1	0	128	65.5	229			
Benzene	0.9721	mg/Kg	0.050	1	0	97.2	83.3	107			
Toluene	0.9215	mg/Kg	0.050	1	0	92.2	74.3	115			
Ethylbenzene	0.9982	mg/Kg	0.050	1	0	99.8	80.9	122			
Xylenes, Total	3.086	mg/Kg	0.10	3	0	103	85.2	123			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Shaw Environmental, Inc.
Project: KAFB BFF

Work Order: 1102634

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8081: Pesticides TCLP											
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			
Method: EPA Method 8151: Herbicides TCLP											
Sample ID: MB-R43857		*MBLK*				Batch ID:	**R43857**	Analysis Date:	2/25/2011		
2,4,5-TP (Silvex)	ND	mg/L	0.10								
2,4-D	ND	mg/L	0.10								
Sample ID: LCS-R43857		*LCS*				Batch ID:	**R43857**	Analysis Date:	2/25/2011		
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: 1102634

Method: EPA Method 8260B: VOLATILES

Sample ID: 5ml-rb — MBLK — Batch ID: R43862 — Analysis Date: 2/23/2011 10:47:58 AM

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								
,2,4-Trimethylbenzene	ND	µg/L	1.0								
,3,5-Trimethylbenzene	ND	µg/L	1.0								
,2-Dichloroethane (EDC)	ND	µg/L	1.0								
,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
-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: 1102634

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*				Batch ID:	**R43862**	Analysis Date:	2/23/2011 10:47:58 AM		
-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
-Butylbenzene	ND	µg/L	1.0								
-Propylbenzene	ND	µg/L	1.0								
ec-Butylbenzene	ND	µg/L	1.0								
tyrene	ND	µg/L	1.0								
ert-Butylbenzene	ND	µg/L	1.0								
,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
etrachloroethene (PCE)	ND	µg/L	1.0								
rans-1,2-DCE	ND	µg/L	1.0								
rans-1,3-Dichloropropene	ND	µg/L	1.0								
,2,3-Trichlorobenzene	ND	µg/L	1.0								
,2,4-Trichlorobenzene	ND	µg/L	1.0								
,1,1-Trichloroethane	ND	µg/L	1.0								
,1,2-Trichloroethane	ND	µg/L	1.0								
richloroethene (TCE)	ND	µg/L	1.0								
richlorofluoromethane	ND	µg/L	1.0								
,2,3-Trichloropropane	ND	µg/L	2.0								
inyl chloride	ND	µg/L	1.0								
ylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R43862**	Analysis Date:	2/23/2011 12:00:41 PM		
enzene	19.98	µg/L	1.0	20	0	99.9	84.6	109			
oluene	22.03	µg/L	1.0	20	0	110	81	114			
hlorobenzene	21.17	µg/L	1.0	20	0	106	85.2	113			
,1-Dichloroethene	21.12	µg/L	1.0	20	0	106	79.6	124			
richloroethene (TCE)	18.41	µg/L	1.0	20	0	92.0	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: 1102634

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: Volatiles by 8260B/1311											
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: 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			

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: 1102634

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
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

lient: Shaw Environmental, Inc.
roject: KAFB BFF

Work Order: 1102634

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
ethod: EPA Method 8270C: Semivolatiles											
ample ID: mb-25739		*MBLK*				Batch ID:	**25739**	Analysis Date:		2/24/2011 2:09:04 PM	
exachlorobutadiene	ND	µg/L	10								
exachlorocyclopentadiene	ND	µg/L	10								
exachloroethane	ND	µg/L	10								
deno(1,2,3-cd)pyrene	ND	µg/L	10								
sophorone	ND	µg/L	10								
-Methylnaphthalene	ND	µg/L	10								
-Methylphenol	ND	µg/L	10								
+4-Methylphenol	ND	µg/L	10								
-Nitrosodi-n-propylamine	ND	µg/L	10								
-Nitrosodimethylamine	ND	µg/L	10								
-Nitrosodiphenylamine	ND	µg/L	10								
laphthalene	ND	µg/L	10								
-Nitroaniline	ND	µg/L	10								
-Nitroaniline	ND	µg/L	10								
-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
-Nitrophenol	ND	µg/L	10								
-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								
,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
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

ient: Shaw Environmental, Inc.
oject: KAFB BFF
Work Order: 1102634

nalyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
ethod: EPA Method 8270C: Semivolatiles											
mple ID: lcsd-25739		*LCSD*				Batch ID:	**25739**	Analysis Date:		2/24/2011 3:36:39 PM	
Nitrosodi-n-propylamine	74.54	µg/L	10	100	0	74.5	29.2	94.4	1.38	30.8	
Nitrophenol	94.22	µg/L	10	200	0	47.1	9.87	86	12.8	61.1	
ntachlorophenol	140.1	µg/L	20	200	0	70.1	20	97.8	9.01	64.8	
enol	91.44	µg/L	10	200	0	45.7	17.5	60.5	2.08	31.4	
rene	84.76	µg/L	10	100	0	84.8	46.8	92.2	18.4	29.8	
2,4-Trichlorobenzene	61.82	µg/L	10	100	0	61.8	25.2	92.3	4.71	30.9	
ethod: EPA Method 8270C TCLP											
mple ID: mb-25740		*MBLK*				Batch ID:	**25740**	Analysis Date:		2/24/2011 2:38:10 PM	
4-Dinitrotoluene	ND	mg/L	0.13								
exachlorobenzene	ND	mg/L	0.13								
xachlorobutadiene	ND	mg/L	0.50								
xachloroethane	ND	mg/L	3.0								
robenzene	ND	mg/L	2.0								
ntachlorophenol	ND	mg/L	100								
ridine	ND	mg/L	5.0								
4,5-Trichlorophenol	ND	mg/L	400								
4,6-Trichlorophenol	ND	mg/L	2.0								
esols, Total	ND	mg/L	200								
mple ID: lcs-25740		*LCS*				Batch ID:	**25740**	Analysis Date:		2/24/2011 7:00:02 PM	
4-Dinitrotoluene	0.06274	mg/L	0.010	0.1	0	62.7	21.5	129			
exachlorobenzene	0.04578	mg/L	0.010	0.1	0	45.8	26.2	83.3			
exachlorobutadiene	0.05278	mg/L	0.010	0.1	0	52.8	25.9	83.4			
exachloroethane	0.05290	mg/L	0.010	0.1	0	52.9	30.5	77.5			
trobenzene	0.05788	mg/L	0.010	0.1	0	57.9	34.6	97.6			
ntachlorophenol	0.1302	mg/L	0.010	0.1	0	130	13.3	88.7			S
ridine	0.02654	mg/L	0.010	0.1	0	26.5	5.1	70.6			
4,5-Trichlorophenol	0.07644	mg/L	0.010	0.1	0	76.4	11.7	104			
4,6-Trichlorophenol	0.06838	mg/L	0.010	0.1	0	68.4	11.6	100			
esols, Total	0.1739	mg/L	0.010	0.3	0	58.0	29.6	87			
ethod: MERCURY, TCLP											
mple ID: MB-25769		*MBLK*				Batch ID:	**25769**	Analysis Date:		2/28/2011 2:21:10 PM	
ercury	ND	mg/L	0.020								
mple ID: LCS-25769		*LCS*				Batch ID:	**25769**	Analysis Date:		2/28/2011 2:26:35 PM	
ercury	ND	mg/L	0.040	0.005	0	103	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

lient: Shaw Environmental, Inc.
roject: KAFB BFF

Work Order: 1102634

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
ethod: EPA Method 6010B: TCLP Metals											
ample ID: MB-25759		*MBLK*				Batch ID:	**25759**	Analysis Date:	2/25/2011 12:00:37 PM		
arium	ND	mg/L	100								
admium	ND	mg/L	1.0								
hromium	ND	mg/L	5.0								
ead	ND	mg/L	5.0								
ilver	ND	mg/L	5.0								
ample ID: MB-25759		*MBLK*				Batch ID:	**25759**	Analysis Date:	2/25/2011 3:42:36 PM		
rsenic	ND	mg/L	5.0								
elenium	ND	mg/L	1.0								
ample ID: LCS-25759		*LCS*				Batch ID:	**25759**	Analysis Date:	2/25/2011 12:03:00 PM		
arium	ND	mg/L	100	0.5	0.0023	107	80	120			
admium	ND	mg/L	1.0	0.5	0	115	80	120			
hromium	ND	mg/L	5.0	0.5	0	107	80	120			
ead	ND	mg/L	5.0	0.5	0.0029	103	80	120			
ilver	ND	mg/L	5.0	0.5	0	113	80	120			
ample ID: LCS-25759		*LCS*				Batch ID:	**25759**	Analysis Date:	2/25/2011 3:44:58 PM		
rsenic	ND	mg/L	5.0	0.5	0	117	80	120			
elenium	ND	mg/L	1.0	0.5	0	119	80	120			
ethod: EPA 6010B: Total Recoverable Metals											
ample ID: MB-25709		*MBLK*				Batch ID:	**25709**	Analysis Date:	2/23/2011 5:34:36 PM		
ead	ND	mg/L	0.0050								
ample ID: LCS-25709		*LCS*				Batch ID:	**25709**	Analysis Date:	2/23/2011 5:37:35 PM		
ead	0.5272	mg/L	0.0050	0.5	0	105	80	120			
ethod: CYANIDE, Reactive											
ample ID: MB-R43857		*MBLK*				Batch ID:	**R43857**	Analysis Date:	2/25/2011		
eactive Cyanide	ND	mg/Kg	10								
ample ID: LCS-R43857		*LCS*				Batch ID:	**R43857**	Analysis Date:	2/25/2011		
eactive Cyanide	0.5040	mg/Kg	0.10	0.5	0	101	70	130			
ethod: SULFIDE, Reactive											
ample ID: MB-R43857		*MBLK*				Batch ID:	**R43857**	Analysis Date:	2/25/2011		
eactive Sulfide	ND	mg/Kg	10								
ample ID: LCS-R43857		*LCS*				Batch ID:	**R43857**	Analysis Date:	2/25/2011		
eactive 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

Work Order Number 1102634

Checklist completed by: _____ Signature _____ 02/18/11 Date

Date Received: 2/18/2011

Received by: LNM

Sample ID labels checked by: dam Initials

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 ☐	

Number of preserved bottles checked for pH: 2

<2 >12 *unless noted below.*

Container/Temp Blank temperature? *<6° C Acceptable* If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Shaw™ Shaw E & I

CHAIN OF CUSTODY

Ref. Document # 140705 - IDW015

Page 1 of ___

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

Shipment Date: 2/18/11
Waybill/Airbill Number: Courier
Lab Destination: Hall Environmental
Lab Contact Name / ph. #: Hall Environmental

Project Contact: Pamela Moss (Name & phone #)

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

Sampler's Name(s): Kimberly Jones

	Sample ID Number	Sample Description	Collection Information Date	Time	G/C	Matrix	# of containers	Container type	Preservative HCL	NaOH	HNO_3	H_2SO_4	Ice	None	Analyses Requested: Full TCLP/RCI	BTEX/TPHG/TPHD	8260B/GRO	8270C/DRO	6010C - Lead					Turn Around Time Requested
1102634-1	106115 IDW2	Rolloff - Drill Cuttings	2/18/11	1315	C	SOL	3	8 oz.						X	X									10d
-1	"	"	2/18/11	1315	C	SOL	1	4 oz.						X		X								10d
-2	106133WW1	Decon Wastewater	2/18/11	1435	G	WW	5	40 mL VOAs	X								X							10d
-2	"	"	2/18/11	1435	G	WW	2	Ambers						X				X						10d
-2	"	"	2/18/11	1435	G	WW	1	500 mL Bottle			X								X					10d
-3	106132WW1	Decon Wastewater	2/18/11	1445	G	WW	5	40 mL VOAs	X								X							10d
-3	"	"	2/18/11	1445	G	WW	2	Ambers						X				X						10d
-3	"	"	2/18/11	1445	G	WW	2	250 mL Bottles			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	2/18/11	1515	[illegible]	2/18/11	1515
			[illegible]	2/18/11	1645

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