

## **Appendix H**

### **Sample Logs, Chain of Custody and Laboratory Data Packages (2006)**



## Shaw Environmental & Infrastructure, Inc.

### Data Validation Report

16406 U.S. Route 224 East • Findlay, Ohio 45840

Findlay Ohio Office – Federal Technical Services

<b>PROJECT NUMBER:</b>	115215	<b>SAMPLE RECEIPT DATE:</b>	09/07/2006
<b>PROJECT MANAGER:</b>	Tom Mathison	<b>LABORATORY SDG:</b>	GPL-609048
<b>PROJECT NAME:</b>	USACE-Schenectady		

The Findlay Ohio Federal Technical Services Group has performed a QA evaluation of the data report from GPL Laboratories, LLLP, Frederick, MD. The results are for [5] soil samples collected at the Former Schenectady Army Depot (AOC 2), Voorheesville Area, New York by on-site Shaw E & I personnel. The samples were analyzed for the parameters listed in the Sample Summary Table.

Sample Summary Table			
Sample Number	Collection Date	Matrix	Analysis Requested
DS-F-2	09/07/2006	Soil	TCLP Pest – SW-8081A, TCLP Herb – SW-8151A, Total PCB – SW-8082, TCLP SVOC-SW-8270C TCLP Metals – SW-6010B and 7471A, Reactive Cyanide – SW-9014R, Reactive Sulfide – SW-9034R, pH – SW-9045C, Paint Filter – SW-9095A, and Flashpoint – SW-1010
DS-F2A, DS-F-2B, DS-F-2C	09/07/2006	Soil	TCLP/VOC-SW8260B
Trip Blank	09/07/2006	Water	VOC-TCLP list (not analyzed per COC)

All samples were received at the laboratory intact and sample analyses were performed within the required holding times. The cooler was submitted with chain-of-custody forms and was received having a temperature of 3°C upon opening. The Trip Blank was not analyzed as it would provide limited data for purposes of comparison to TCLP criteria. The laboratory provided an electronic copy of the data within the specified turn around time. The following describes the overall QA/QC indicators.

**TCLP Pesticide Analysis in Soil by SW-1311/8081A**

The GC system was calibrated for the target analytes and surrogate compounds in accordance with method requirements for both front and rear columns. The integrity of the primary standards was validated through analysis of a second source standard. Calibration check samples were high for some analytes. No analytes were detected in the samples. No qualification necessary.

**Method Blanks:** The method blank results are below reporting limits for the target analytes. This is indicative of proper sample handling and for ensuring a contaminant free analytical system.

**LCS:** The LCS recoveries are within acceptance criteria for the target analytes. This is indicative of acceptable method accuracy and verifying proper instrument control.

**MS:** The MS recoveries were within control limits. This is indicative of acceptable matrix accuracy.

**Surrogates:** All surrogate recoveries are within acceptable criteria. This is indicative of acceptable method extraction and maintaining instrument control throughout the analytical sequence.

Reported results should be acted upon without reservation.

#### **PCB Analysis in Soil by SW8082**

The GC system was calibrated for the target analytes and surrogate compounds in accordance with method requirements for both front and rear columns. The integrity of the primary standards was validated through analysis of a second source standard. Calibration check samples were below control limits for both primary and secondary columns. PCBs were not detected above the reporting limit. The LCS and MS/MSD were acceptable as described below. The results will be qualified as estimated to be below the reporting limit, UJ.

**Method Blanks:** The method blank results are below reporting limits for the target analytes. This is indicative of proper sample handling and for ensuring a contaminant free analytical system.

**LCS:** The LCS recoveries are within acceptance criteria for the target analytes. This is indicative of acceptable method accuracy and verifying proper instrument control.

**MS/MSD:** The MS/MSD recoveries are within acceptance criteria for target analytes. This is indicative of acceptable method accuracy and matrix precision.

**Surrogates:** The surrogate recoveries are within acceptable criteria.

The reported results should be utilized with confidence.

#### **TCLP Herbicide Analysis in Soil by SW1311/8151A**

The GC system was calibrated for the target analytes and surrogate compounds in accordance with method requirements for both front and rear columns. The integrity of the primary standards was validated through analysis of a second source standard. Calibration check samples verified instrument calibration.

**Method Blanks:** The method blank results are below reporting limits for the target analytes, indicative of proper sample handling and for ensuring a contaminant free analytical system.

**LCS:** The LCS recoveries are within acceptance criteria for the target analytes, indicative of acceptable method accuracy and verifying proper instrument control.

**MS/MSD:** The QC Matrix recoveries are within acceptance limits. There was no MSD performed to evaluate precision.

**Surrogates:** All surrogate recoveries are within acceptable criteria. This is indicative of acceptable method extraction and maintaining instrument control throughout the analytical sequence.

Reported results should be utilized with confidence.

#### **TCLP SVOC Analysis in Soil by SW1311/8270C**

The GC/MS system was tuned and calibrated in accordance with method requirements. The integrity of the primary standards was validated through analysis of a second source standard. Calibration check samples verified instrument calibration and all analyses were performed within valid 12-hour tune clocks. The ISTD areas were within the required values for all analytical runs.

**Method Blanks:** The method blank results are below reporting limits for the target analytes, indicative of proper sample handling and for ensuring a contaminant free analytical system.

**LCS:** The LCS recoveries are within acceptance criteria for the target analytes, indicative of acceptable method accuracy and verifying proper instrument control.

**MS/MSD:** The QC Matrix recovery is within acceptance limits for all compounds except, pyridine. Performance for this analyte is slightly below the acceptance range, but still within reasonable expectations. There was no MSD performed.

**Surrogates:** Recovery of one of six surrogates was slightly below the acceptance range. Since it is standard practice to allow one of each fraction to be outside limits, the surrogate recoveries are within acceptable criteria.

Reported results should be utilized with confidence.

#### **TCLP VOC Analysis in Soil by SW1311/8260B**

The GC/MS system was tuned and calibrated in accordance with method requirements. The integrity of the primary standards was validated through analysis of a second source standard. Calibration check samples verified instrument calibration and all analyses were performed within valid 12-hour tune clocks. The ISTD areas were within the required values for all analytical runs.

**Method Blanks:** The method blank results are below reporting limits for the target analytes, indicative of proper sample handling and for ensuring a contaminant free analytical system.

**LCS:** The LCS recoveries are within acceptance criteria for the target analytes, indicative of acceptable method accuracy and verifying proper instrument control.

**MS/MSD:** The QC Matrix recovery is within acceptance limits for all compounds. There was no MSD performed.

**Surrogates:** All surrogate recoveries are within acceptable criteria. This is indicative of acceptable method extraction and maintaining instrument control throughout the analytical sequence.

Reported results should be utilized with confidence.



## **TCLP Metals Analysis in Soil by SW1311/6010B and SW7471A**

The ICP and CVAA systems were calibrated for the target analytes in accordance with method requirements. All instrument interference check samples were within control limits. The initial and continuing calibration check samples were within control limits. The initial calibration blank results were below reporting limits.

**Method Blanks:** The method blank results are below reporting limits.

**LCS:** The LCS recoveries are within acceptance criteria for the target analytes.

**MS/MSD:** The MS/MSD recoveries and precision are within acceptance limits.

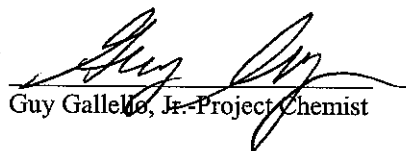
Reported results should be utilized with confidence

### **General Chemistry**

LCS recoveries for all spiked compounds were within control limits indicating acceptable method accuracy. A duplicate sample analysis was performed for reactive cyanide, reactive sulfide, Free Liquid, and pH. The percent RPD was within project objectives for pH. Percent RPDs could not be compared to the other duplicate since the results were below the QL.

### **Summary of Analysis**

The overall Quality Control data provided in the laboratory report is representative of adequate method accuracy and precision with regard to project objectives. The reported data should be utilized, without reservation, in the intended project decision-making process.

  
Guy Gallelo, Jr.-Project Chemist

11/9/2006  
Date

# Analytical Report For 609048

for

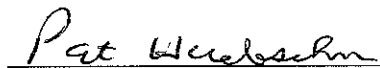
Shaw E&I, Inc

Project Manager: Guy Gallelo


Project Name: SAD-AOC2

**GPL**  
**Laboratories**

GPL Laboratories, LLLP certifies that the test results meet all requirements of the  
NELAC Standards unless otherwise noted.



Reviewed By,  
Project Manager



Approved By,  
Laboratory Director



## Case Narrative

Shaw E&I, Inc

SAD-AOC2

Work Order: 609048

Reviewed by Patricia Huebschman on 09-27-2006

The Case Narrative, Chain of Custody, Sample Receipt Checklist, and the cover page of the Sample Analysis Report, are integral parts of GPL Laboratories' report package. If you did not receive all of these documents, please contact GPL immediately.

### **Sample Receipt**

Four soil samples were received on 09/09/2006. The samples were delivered by UPS. Sample receipt conditions and temperatures are documented on the Sample Receipt checklist.

### **Sample Analysis**

Samples were prepared and analyzed by GPL using the analytical methodologies indicated on the Sample Analysis Summary Report. In some chromatographic analyses, manual integration is used instead of automated integration because it produces more accurate results. All manual integrations are denoted on the sample quantitation report. Analysis results and limits for soil are reported on a dry weight basis unless otherwise specified on the report.

### **Volatiles**

Four soil samples were analyzed for TCLP compounds using SW846 method 8260B.

Samples were analyzed within the holding time.

All surrogate and internal standard recoveries were within the QC limits.

A matrix spike analysis was performed on sample DS-F-2A. Three spike recoveries were below the QC limits.

A laboratory control sample was analyzed along with the samples batch. One spike recovery was outside the QC limits.

Manual integration was performed on some peaks that were improperly integrated by the software. The manually integrated compounds are designated by an "m" next to the area of the quantitation report, and chromatograms for these compounds were submitted with the package.

### **Semivolatiles**

One soil sample was extracted using SW846 method 3510C. This sample was analyzed for semivolatile TCLP compounds using method 8270C.

The extraction and analysis holding times were met.

All surrogate recoveries met the QC requirements.

A matrix spike analysis was performed on sample DS-F-2. One spike recovery was outside the QC limits.

A laboratory control sample was extracted and analyzed along with this batch. One spike recovery was outside QC limits.

### **Pesticides**

One soil sample was extracted and analyzed for TCLP pesticide compounds using SW846 method 8081A.

The extraction and analysis holding times were met.

All surrogate recoveries were within the QC limits.

The matrix spike and matrix spike duplicate analyses were performed on the sample. All recoveries were within the QC limits.

## **PCBs**

One soil sample was extracted and analyzed for PCB compounds using SW846 method 8082.

All extraction and analysis holding times were met.

The surrogate recoveries for the sample were within the QC limits.

The matrix spike and matrix spike duplicate analyses was shared with work order 609004 . PCB 1260 recovery for both the matrix spike and matrix spike duplicate was outside the QC limits due to matrix interference. All other recoveries were within the QC limits.

A laboratory control sample was extracted and analyzed along with the batch. Recoveries were within the QC limits

## **Herbicides**

One soil sample was extracted and analyzed for TCLP Herbicide compounds using SW846 method 8151A.

All extraction and analysis holding times were met.

All surrogate recoveries were within the QC limits.

A matrix spike analysis was performed on sample DS-F-2. All recoveries were within the QC limits.

A laboratory control sample was extracted and analyzed with the sample batch. All recoveries were within the QC limits.

## **Metals**

One soil sample was analyzed for TCLP metals plus beryllium by EPA SW846 methods.

A matrix spike and matrix spike duplicate were performed on the sample for all required TCLP analytes plus beryllium. A serial dilution was performed also for the ICP analytes. They were within the control limits.

Calibration standards are verified against independent check standards purchased from a commercial vendor of environmental standards.

All GPL QA/QC criteria were met.

## **General Chemistry**

One soil sample was distilled according to SW846 section 7.3 and was analyzed for Reactive Cyanide by method 9014 and Reactive Sulfide by method 9034.

A duplicate analysis was performed on this sample.

A laboratory control sample was distilled and analyzed along with the batch for each analyte.

All QC criteria were met.

## **Other Analysis**

One sample was analyzed using method SW 1010. A quality control standard was analyzed together with this sample and met the calibration acceptance criteria. There was no flash-point on this sample.

Pat W. Hubsch

Reviewed By,  
Project Manager

Elan Taz

Approved By,  
Laboratory Director

# GPL Laboratories, LLLP

## Sample Summary Report

Shaw E&I, Inc

Work Order: 609048

Client Sample ID	Lab Sample ID	Analytical Method	Matrix	Date Sampled	Date Recieved
DS-F-2A	609048-001-001-1/1	SW8260B_TCLP	WATER	09/07/2006	09/09/2006
DS-F-2B	609048-002-002-1/1	SW8260B_TCLP	WATER	09/07/2006	09/09/2006
DS-F-2C	609048-003-003-1/1	SW8260B_TCLP	WATER	09/07/2006	09/09/2006
DS-F-2	609048-004-004-1/2	SW8270C_TCLP	SOIL	09/07/2006	09/09/2006
	609048-004-004-1/2	SW8081A_TCLP			
	609048-004-004-1/2	SW8151A_TCLP			
	609048-004-005-2/2	SW8082			
	609048-004-004-1/2	SW6010B_TCLP			
	609048-004-004-1/2	SW7471A_TCLP			
	609048-004-005-2/2	CLP_SOLIDS			
	609048-004-005-2/2	SW9014R			
	609048-004-005-2/2	SW9034R			
	609048-004-004-1/2	SW1010			
DS-F-2A	609048-001-001-1/1	CLP_SOLIDS	SOIL	09/07/2006	09/09/2006
DS-F-2B	609048-002-002-1/1	CLP_SOLIDS	SOIL	09/07/2006	09/09/2006
DS-F-2C	609048-003-003-1/1	CLP_SOLIDS	SOIL	09/07/2006	09/09/2006

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	DS-F-2A	Lab Sample ID:	609048-001-001-1/1
Sample Date/Time:	09/07/2006 16:10	Percent Moisture:	18.99
Receipt Date/Time:	09/09/2006 09:29	Preparation Method:	SW5030B
Prepared Date/Time:	09/13/2006 06:11	Analytical Method:	SW8260B_TCLP

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	1,1-Dichloroethene	BQL	U	100	10	ug/L	09/13/06	09:57
2)	1,2-Dichloroethane	BQL	U	100	10	ug/L	09/13/06	09:57
3)	2-Butanone	BQL	U	100	10	ug/L	09/13/06	09:57
4)	Benzene	BQL	U	100	10	ug/L	09/13/06	09:57
5)	Carbon Tetrachloride	BQL	U	100	10	ug/L	09/13/06	09:57
6)	Chlorobenzene	BQL	U	100	10	ug/L	09/13/06	09:57
7)	Chloroform	14	J	100	10	ug/L	09/13/06	09:57
8)	Tetrachloroethylene	BQL	U	100	10	ug/L	09/13/06	09:57
9)	Trichloroethene	BQL	U	100	10	ug/L	09/13/06	09:57
10)	Vinyl Chloride	16	J	100	10	ug/L	09/13/06	09:57

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
11)	1,2-Dichlorobenzene-d4	68 %	64 - 132	10	09/13/06	09:57
12)	1,2-Dichloroethane-d4	84 %	70 - 120	10	09/13/06	09:57
13)	4-Bromofluorobenzene	80 %	75 - 120	10	09/13/06	09:57
14)	Toluene-D8	87 %	85 - 120	10	09/13/06	09:57

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-F-2A	Lab Sample ID:	609048-001-001-1/1
Sample Date/Time:	09/07/2006 16:10	Percent Moisture:	18.99
Receipt Date/Time:	09/09/2006 09:29	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Percent Solids	81		1.0	1	%	09/12/06 09:54



# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	DS-F-2B	Lab Sample ID:	609048-002-002-1/1
Sample Date/Time:	09/07/2006 16:10	Percent Moisture:	17.59
Receipt Date/Time:	09/09/2006 09:29	Preparation Method:	SW5030B
Prepared Date/Time:	09/13/2006 06:11	Analytical Method:	SW8260B_TCLP

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	1,1-Dichloroethene	BQL	U	100	10	ug/L	09/13/06	10:30
2)	1,2-Dichloroethane	BQL	U	100	10	ug/L	09/13/06	10:30
3)	2-Butanone	BQL	U	100	10	ug/L	09/13/06	10:30
4)	Benzene	BQL	U	100	10	ug/L	09/13/06	10:30
5)	Carbon Tetrachloride	BQL	U	100	10	ug/L	09/13/06	10:30
6)	Chlorobenzene	BQL	U	100	10	ug/L	09/13/06	10:30
7)	Chloroform	13	J	100	10	ug/L	09/13/06	10:30
8)	Tetrachloroethylene	BQL	U	100	10	ug/L	09/13/06	10:30
9)	Trichloroethene	BQL	U	100	10	ug/L	09/13/06	10:30
10)	Vinyl Chloride	BQL	U	100	10	ug/L	09/13/06	10:30

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
11)	1,2-Dichlorobenzene-d4	71 %	64 - 132	10	09/13/06	10:30
12)	1,2-Dichloroethane-d4	88 %	70 - 120	10	09/13/06	10:30
13)	4-Bromofluorobenzene	82 %	75 - 120	10	09/13/06	10:30
14)	Toluene-D8	90 %	85 - 120	10	09/13/06	10:30

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-F-2B	Lab Sample ID:	609048-002-002-1/1
Sample Date/Time:	09/07/2006 16:10	Percent Moisture:	17.59
Receipt Date/Time:	09/09/2006 09:29	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Percent Solids	82		1.0	1	%	09/12/06 09:54

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	DS-F-2C	Lab Sample ID:	609048-003-003-1/1
Sample Date/Time:	09/07/2006 16:10	Percent Moisture:	18.21
Receipt Date/Time:	09/09/2006 09:29	Preparation Method:	SW5030B
Prepared Date/Time:	09/13/2006 06:11	Analytical Method:	SW8260B_TCLP

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	1,1-Dichloroethene	BQL	U	100	10	ug/L	09/13/06	11:02
2)	1,2-Dichloroethane	BQL	U	100	10	ug/L	09/13/06	11:02
3)	2-Butanone	BQL	U	100	10	ug/L	09/13/06	11:02
4)	Benzene	BQL	U	100	10	ug/L	09/13/06	11:02
5)	Carbon Tetrachloride	BQL	U	100	10	ug/L	09/13/06	11:02
6)	Chlorobenzene	BQL	U	100	10	ug/L	09/13/06	11:02
7)	Chloroform	15	J	100	10	ug/L	09/13/06	11:02
8)	Tetrachloroethylene	BQL	U	100	10	ug/L	09/13/06	11:02
9)	Trichloroethene	BQL	U	100	10	ug/L	09/13/06	11:02
10)	Vinyl Chloride	13	J	100	10	ug/L	09/13/06	11:02

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
11)	1,2-Dichlorobenzene-d4	72 %	64 - 132	10	09/13/06	11:02
12)	1,2-Dichloroethane-d4	88 %	70 - 120	10	09/13/06	11:02
13)	4-Bromofluorobenzene	82 %	75 - 120	10	09/13/06	11:02
14)	Toluene-D8	90 %	85 - 120	10	09/13/06	11:02

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-F-2C	Lab Sample ID:	609048-003-003-1/1
Sample Date/Time:	09/07/2006 16:10	Percent Moisture:	18.21
Receipt Date/Time:	09/09/2006 09:29	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Percent Solids	82		1.0	1	%	09/12/06 09:54

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-F-2	Lab Sample ID:	609048-004-004-1/2
Sample Date/Time:	09/07/2006 16:10	Percent Moisture:	11.91
Receipt Date/Time:	09/09/2006 09:29	Preparation Method:	SW3510C
Prepared Date/Time:	09/12/2006 08:33	Analytical Method:	SW8270C_TCLP

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	1,4-Dichlorobenzene	BQL	U	50	1	ug/L	09/14/06	15:34
2)	2,4,5-Trichlorophenol	BQL	U	50	1	ug/L	09/14/06	15:34
3)	2,4,6-Trichlorophenol	BQL	U	50	1	ug/L	09/14/06	15:34
4)	2,4-Dinitrotoluene	BQL	U	50	1	ug/L	09/14/06	15:34
5)	2-methylphenol	BQL	U	50	1	ug/L	09/14/06	15:34
6)	3 & 4-Methylphenol	BQL	U	50	1	ug/L	09/14/06	15:34
7)	Hexachlorobenzene	BQL	U	50	1	ug/L	09/14/06	15:34
8)	Hexachlorobutadiene	BQL	U	50	1	ug/L	09/14/06	15:34
9)	Hexachloroethane	BQL	U	50	1	ug/L	09/14/06	15:34
10)	Nitrobenzene	BQL	U	50	1	ug/L	09/14/06	15:34
11)	Pentachlorophenol	BQL	U	100	1	ug/L	09/14/06	15:34
12)	Pyridine	BQL	U	50	1	ug/L	09/14/06	15:34

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
13)	2,4,6-Tribromophenol	88 %	35 - 157	1	09/14/06	15:34
14)	2-Fluorobiphenyl	69 %	46 - 108	1	09/14/06	15:34
15)	2-Fluorophenol	37 %	28 - 116	1	09/14/06	15:34
16)	Nitrobenzene-d5	72 %	38 - 122	1	09/14/06	15:34
17)	<b>Phenol-d5</b>	<b>26 %</b>	<b>34 - 118</b>	<b>1</b>	<b>09/14/06</b>	<b>15:34</b>
18)	p-Terphenyl-d14	101 %	29 - 133	1	09/14/06	15:34

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-F-2	Lab Sample ID:	609048-004-004-1/2
Sample Date/Time:	09/07/2006 16:10	Percent Moisture:	NA
Receipt Date/Time:	09/09/2006 09:29	Preparation Method:	SW3510C
Prepared Date/Time:	09/12/2006 00:00	Analytical Method:	SW8081A_TCLP

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Chlordane	BQL	U	5.0	1	ug/L	09/13/06	14:08
2)	Endrin	BQL	U	0.25	1	ug/L	09/13/06	14:08
3)	Gamma-BHC (Lindane)	BQL	U	0.25	1	ug/L	09/13/06	14:08
4)	Heptachlor	BQL	U	0.25	1	ug/L	09/13/06	14:08
5)	Heptachlor Epoxide	BQL	U	0.25	1	ug/L	09/13/06	14:08
6)	<b>Methoxychlor</b>	<b>0.48</b>	<b>P</b>	<b>0.25</b>	<b>1</b>	<b>ug/L</b>	<b>09/13/06</b>	<b>14:08</b>
7)	Toxaphene	BQL	U	5.0	1	ug/L	09/13/06	14:08

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
8)	Decachlorobiphenyl	76 %	16 - 155	1	09/13/06	14:08
9)	Decachlorobiphenyl	69 %	16 - 155	1	09/13/06	14:08
10)	Tetrachloro-m-xylene	85 %	6 - 154	1	09/13/06	14:08
11)	Tetrachloro-m-xylene	84 %	6 - 154	1	09/13/06	14:08

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-F-2	Lab Sample ID:	609048-004-004-1/2
Sample Date/Time:	09/07/2006 16:10	Percent Moisture:	NA
Receipt Date/Time:	09/09/2006 09:29	Preparation Method:	EXT_SW8151
Prepared Date/Time:	09/12/2006 00:00	Analytical Method:	SW8151A_TCLP

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	2,4,5-TP (Silvex)	BQL	U	5.0	1	ug/L	09/14/06 15:44
2)	2,4-D	BQL	U	5.0	1	ug/L	09/14/06 15:44

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
3)	2,4-DCAA	63 %	7 - 170	1	09/14/06 15:44
4)	2,4-DCAA	100 %	7 - 170	1	09/14/06 15:44

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-F-2	Lab Sample ID:	609048-004-004-1/2
Sample Date/Time:	09/07/2006 16:10	Percent Moisture:	11.91
Receipt Date/Time:	09/09/2006 09:29	Preparation Method:	SW3010A
Prepared Date/Time:	09/12/2006 00:00	Analytical Method:	SW6010B_TCLP

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Arsenic	BQL	U	200	1	ug/L	09/12/06	22:54
2)	<b>Barium</b>	<b>2350</b>		<b>1000</b>	<b>1</b>	<b>ug/L</b>	<b>09/12/06</b>	<b>22:54</b>
3)	Beryllium	BQL	U	20	1	ug/L	09/12/06	22:54
4)	Cadmium	BQL	U	60	1	ug/L	09/12/06	22:54
5)	Chromium	BQL	U	50	1	ug/L	09/12/06	22:54
6)	Lead	BQL	U	100	1	ug/L	09/12/06	22:54
7)	Selenium	BQL	U	200	1	ug/L	09/12/06	22:54
8)	Silver	BQL	U	50	1	ug/L	09/12/06	22:54



# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-F-2	Lab Sample ID:	609048-004-004-1/2
Sample Date/Time:	09/07/2006 16:10	Percent Moisture:	11.91
Receipt Date/Time:	09/09/2006 09:29	Preparation Method:	SW7470A_DIG
Prepared Date/Time:	09/12/2006 18:00	Analytical Method:	SW7471A_TCLP

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Mercury	BQL	U	2	1	ug/L	09/13/06 19:50

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-F-2	Lab Sample ID:	609048-004-004-1/2
Sample Date/Time:	09/07/2006 16:10	Percent Moisture:	11.91
Receipt Date/Time:	09/09/2006 09:29	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	SW1010

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Flash Point	BQL	U	100	1	DC	09/12/06 00:00

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-F-2	Lab Sample ID:	609048-004-005-2/2
Sample Date/Time:	09/07/2006 16:10	Percent Moisture:	11.91
Receipt Date/Time:	09/09/2006 09:29	Preparation Method:	SW3550
Prepared Date/Time:	09/11/2006 00:00	Analytical Method:	SW8082

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	PCB-1016	BQL	U	19	1	ug/kg	09/12/06	00:57
2)	PCB-1221	BQL	U	19	1	ug/kg	09/12/06	00:57
3)	PCB-1232	BQL	U	19	1	ug/kg	09/12/06	00:57
4)	PCB-1242	BQL	U	19	1	ug/kg	09/12/06	00:57
5)	PCB-1248	BQL	U	19	1	ug/kg	09/12/06	00:57
6)	PCB-1254	BQL	U	19	1	ug/kg	09/12/06	00:57
7)	PCB-1260	BQL	U	19	1	ug/kg	09/12/06	00:57

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
8)	Decachlorobiphenyl	69 %	30 - 144	1	09/12/06	00:57
9)	Decachlorobiphenyl	83 %	30 - 144	1	09/12/06	00:57
10)	Tetrachloro-m-xylene	78 %	49 - 133	1	09/12/06	00:57
11)	Tetrachloro-m-xylene	93 %	49 - 133	1	09/12/06	00:57

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-F-2	Lab Sample ID:	609048-004-005-2/2
Sample Date/Time:	09/07/2006 16:10	Percent Moisture:	11.91
Receipt Date/Time:	09/09/2006 09:29	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Percent Solids	88		1.0	1	%	09/12/06 09:54

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-F-2	Lab Sample ID:	609048-004-005-2/2
Sample Date/Time:	09/07/2006 16:10	Percent Moisture:	11.91
Receipt Date/Time:	09/09/2006 09:29	Preparation Method:	SW7.3_EXT
Prepared Date/Time:	09/12/2006 08:00	Analytical Method:	SW9014R

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Cyanide, Reactive	BQL	U	0.020	1	mg/kg	09/12/06 18:15

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-F-2	Lab Sample ID:	609048-004-005-2/2
Sample Date/Time:	09/07/2006 16:10	Percent Moisture:	11.91
Receipt Date/Time:	09/09/2006 09:29	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	SW9034R

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Sulfide, Reactive	BQL	U	9.3	1	mg/kg	09/12/06 15:30

# GPL Laboratories, LLLP

## Qualifier Definitions

Shaw E&I, Inc

Work Order: 609048

### All Departments

- U Indicates that the compound was analyzed for but not detected
- BQL Below Quantitation Limit

### Organics

- B Indicates that the analyte was found in the associated blank as well as in the sample
- D Indicates that the analyte was reported from a diluted analysis
- E Indicates that the concentration detected exceeded the calibration range of the instrument
- J Value is less than the reporting limit but greater than the MDL
- P Indicates that there is greater than 25% difference for detected pesticide/Arochlor results between the two GC columns

### Metals

- J Indicates that the reported value was less than the reporting limit but greater than or equal to the IDL/MDL
- E Indicates that the reported value is estimated because of the possible presence of interference (i.e. the serial dilution not within control limits)
- H Indicates that the element was found in the associated blank as well as in the sample and the value is greater than or equal to the reporting limit
- D Indicates that the analyte was reported from a diluted analysis
- N Spiked sample recovery not within control limits
- \* Duplicate analysis not within control limits

SDG: 609048

**GPL LABORATORIES, ILLIP**

22. *Libri copulativi*

2020-2021

Dr. G. A. S. S.

2021年10月

Online & Spring Resource

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5.

**F-05:**

Project: <u>Schubert Army Depot Acc 42</u>		11:00 a.m. Time		7:30		2		1		1		1		1		1		1		1	
Client: <u>State Environmental</u>		# of Containers		3		2		1		1		1		1		1		1		1	
Send Pres JR & <u>Gray Gallelio</u>		Container Type		402		802															
Address: <u>16414 US Rt. 2400</u>		Preserve: 48		48																	
Trace: <u>Exhibit CH 45540</u>		Type of Analysis		TELETYPE		RIP ANALYSIS		RIP/REF		RIP HAD		RIP/REF		TELETYPE		TELETYPE		TELETYPE		TELETYPE	
Sample ID		Date Sampled		Time Sampled		Sample Weight		Sampler's Initials													
DS-F-2A	4/7/82	1610	60	10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
DS-F-2B					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
DS-F-2C					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
DS-F-2D					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
DS-F-2E					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
DS-F-2F					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
DS-F-2G					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
DS-F-2H					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
DS-F-2I					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
DS-F-2J					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
DS-F-2K					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
DS-F-2L					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
DS-F-2M					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
DS-F-2N					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
DS-F-2O					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
DS-F-2P					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
DS-F-2Q					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
DS-F-2R					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
DS-F-2S					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
DS-F-2T					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
DS-F-2U					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
DS-F-2V					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
DS-F-2W					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
DS-F-2X					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
DS-F-2Y					X	X	X	X													



## SDG: 609048

[illegible]

# GPL Laboratories, LLLP

## Chain of Custody

Shaw E&I, Inc

SDG: 609048

### GPL Laboratories, LLLP

#### Figure 1 SAMPLE RECEIPT CHECKLIST

W.O. No: <u>609048</u>	Carrier Name: <u>DPS</u>
Client Name: <u>SHAW</u>	Prepared (Logged in) By: <u>MM</u> Initials Date: <u>9/11/06</u>
Date Received: <u>9/9/06</u>	Project: _____
Time Received: <u>10 AM</u>	Site: _____
Received by: <u>MM</u>	VOA Holding Blank I.D. No: _____

Airbill/Manifest Present? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO No. _____ Shipping Container in Good Condition? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Custody Seals Present on Shipping Container? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Condition: Broken _____ Intact-not dated or signed _____ Intact-dated and signed _____ Usage of Tamper Evident Type _____ Chain-of-Custody Present? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Chain-of-Custody Agrees with Sample Labels? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Chain-of-Custody Signed? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Packing Present in Shipping Container? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Type of Packing _____ Custody seals on Sample Bottles? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Condition: Good _____ Broken _____ Total Number of Sample Bottles <u>6</u> Total Number of Samples <u>5</u> Samples Intact? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Sufficient Sample Volume for Indicated Test? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Trip Blanks: No. of Sets _____ YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Field Blanks: No. of Sets _____ YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Equip. Blank: No. of Sets _____ YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Field Duplicate: No. of Sets _____ YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> MSP/MSD: No. of Sets _____ YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> VOA Vials Have Zero Headspace? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If no. error or greater than 2 Green Pass (see comments) _____ Preservatives Added to Sample? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO pH Check Required? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Performed By? _____ Ice Present in Shipping Container? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <table border="0"> <tr> <td>Container #</td> <td>Temp.</td> <td>Container #</td> <td>Temp.</td> </tr> <tr> <td><u>1</u></td> <td><u>3.0</u></td> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </table> Project Manager Contacted? <u>Tim</u> Name: _____ Date Contacted: <u>9/11/06</u>	Container #	Temp.	Container #	Temp.	<u>1</u>	<u>3.0</u>	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
Container #	Temp.	Container #	Temp.																														
<u>1</u>	<u>3.0</u>	_____	_____																														
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_____	_____	_____	_____																														

Any "NO" response must be detailed in the comments section below. If items are not applicable to particular samples or contracts they should be marked "N/A".

COMMENTS: No analyses are worked for the Trip Blanks -  
So we did not log in -

Checklist Completed By: MM

Date: 9/11/06

SDG No: F.2V15



## Shaw Environmental & Infrastructure, Inc.

### Data Usability Report

16406 U.S. Route 224 East • Findlay, Ohio 45840

Findlay Ohio Office – Federal Technical Services

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<b>PROJECT NUMBER:</b>	115215	<b>SAMPLE RECEIPT DATE:</b>	09/11/2006
<b>PROJECT MANAGER:</b>	Tom Mathison	<b>LABORATORY SDG:</b>	GPL-609051
<b>PROJECT NAME:</b>	USACE-Schenectady		

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The Findlay Ohio Federal Applied Sciences Group has performed a QA evaluation of the data report from GPL Laboratories, LLLP, Frederick, MD. The results are for [1] soil/waste sample collected at the Former Schenectady Army Depot (AOC 2), Voorheesville Area, New York by on-site Shaw E & I personnel. The samples were analyzed for the parameters listed in the Sample Summary Table.

Sample Summary Table			
Sample Number	Collection Date	Matrix	Analysis Requested
DS-AOI-001	09/11/2006	Soil	TCLP Pest – SW-8081A, TCLP Herb – SW-8151A, Total PCB – SW-8082, TCLP SVOC-SW-8270C TCLP Metals SW-6010B/ 7471A Metals-SW6010B/7471A, Reactive Cyanide – SW-9014R, Reactive Sulfide – SW-9034R, pH – SW-9045C, Paint Filter – SW-9095A, and Flashpoint – SW-1010
DS-AOI5-001A through C	09/11/2006	Soil	TCLP/VOC-SW8260B (ZHE combined) Total VOC-SW8260B (Lab composited)

All samples were received at the laboratory intact and sample analyses were performed within the required holding times. The cooler was submitted with chain-of-custody forms and was received having a temperature of 2°C upon opening. The laboratory provided an electronic copy of the data within the specified turn around time. The following describes the overall QA/QC indicators.

#### **TCLP Pesticide Analysis in Soil by SW-1311/8081A**

The GC system was calibrated for the target analytes and surrogate compounds in accordance with method requirements for both front and rear columns. The integrity of the primary standards was validated through analysis of a second source standard. Calibration check samples were high for some analytes. No analytes were detected in the samples. No qualification necessary.

**Method Blanks:** The method blank results are below reporting limits for the target analytes.

**LCS:** The LCS recoveries are within acceptance criteria for the target analytes.

**M/MSD:** The MS/MSD recoveries and precision were within control limits. It should be noted that the QC Matrix analyses were performed on a sample not from the specific site.

**Surrogates:** All surrogate recoveries are within acceptable criteria on at least one of the two columns.

Reported results should be acted upon without reservation.

#### **PCB Analysis in Soil by SW8082**

The GC system was calibrated for the target analytes and surrogate compounds in accordance with method requirements for both front and rear columns. The integrity of the primary standards was validated through analysis of a second source standard. Calibration check samples were below control limits for both primary and secondary columns. PCBs were not detected above the reporting limit.

**Method Blanks:** The method blank results are below reporting limits for the target analytes.

**LCS:** The LCS recoveries are within acceptance criteria for the target analytes.

**MS/MSD:** The MS/MSD recoveries, from a non-site sample are within acceptance criteria for target analytes.

**Surrogates:** The surrogate recoveries are within acceptable criteria.

The reported results should be utilized with confidence.

#### **TCLP Herbicide Analysis in Soil by SW1311/8151A**

The GC system was calibrated for the target analytes and surrogate compounds in accordance with method requirements for both front and rear columns. The integrity of the primary standards was validated through analysis of a second source standard. Calibration check samples verified instrument calibration.

**Method Blanks:** The method blank results are below reporting limits for the target analytes, indicative of proper sample handling and for ensuring a contaminant free analytical system.

**LCS:** The LCS recoveries are within acceptance criteria for the target analytes, indicative of acceptable method accuracy and verifying proper instrument control.

**MS/MSD:** The QC Matrix recoveries, using a site sample from a another SDG, are within acceptance limits. There was no MSD performed to evaluate precision.

**Surrogates:** All surrogate recoveries are within acceptable criteria. This is indicative of acceptable method extraction and maintaining instrument control throughout the analytical sequence.

Reported results should be utilized with confidence.

#### **TCLP SVOC Analysis in Soil by SW1311/8270C**

The GC/MS system was tuned and calibrated in accordance with method requirements. The integrity of the primary standards was validated through analysis of a second source standard. Calibration check samples verified instrument calibration and all analyses were performed within valid 12-hour tune clocks. The ISTD areas were within the required values for all analytical runs.

**Method Blanks:** The method blank results are below reporting limits for the target analytes.

**LCS:** The LCS recoveries are within acceptance criteria for all the target analytes except pyridine, which was recovered at less than 20 percent

**MS/MSD:** There was no QC Matrix analysis performed. The LCS matrix was TCLP fluid and does indicate expected performance in the fluid matrix.

**Surrogates:** Recovery of the two lowest boiling point surrogates was below the acceptance range and may indicate loss of lower-boiling analytes. However since the regulatory limits for these compounds are actually several orders of magnitude above the reporting limit and spike levels there is no effect on data usability.

Reported results should be utilized with confidence.

#### **TCLP VOC Analysis in Soil by SW1311/8260B**

The GC/MS system was tuned and calibrated in accordance with method requirements. The integrity of the primary standards was validated through analysis of a second source standard. Calibration check samples verified instrument calibration and all analyses were performed within valid 12-hour tune clocks. The ISTD areas were within the required values for all analytical runs. Three grab samples were composited in the ZHE and extracted.

**Method Blanks:** The method blank results are below reporting limits for the target analytes, indicative of proper sample handling and for ensuring a contaminant free analytical system.

**LCS:** The LCS recoveries are within acceptance criteria for the target analytes, indicative of acceptable method accuracy and verifying proper instrument control.

**MS/MSD:** There was no QC Matrix analysis performed. The laboratory evaluated precision via a LCSD which was within limits. The LCS/LCSD matrix was ZHE fluid and does indicate expected performance in the fluid matrix.

**Surrogates:** All surrogate recoveries are within acceptable criteria. This is indicative of acceptable method extraction and maintaining instrument control throughout the analytical sequence.

Reported results should be utilized with confidence.

## **VOC Analysis in Soil by 8260B**

The GC/MS system was tuned and calibrated in accordance with method requirements. The integrity of the primary standards was validated through analysis of a second source standard. Calibration check samples verified instrument calibration and all analyses were performed within valid 12-hour tune clocks. The ISTD areas were within the required values for all analytical runs. Three grab samples were composited by the laboratory and analyzed via purge and trap analysis.

**Method Blanks:** The method blank results are below reporting limits for the target analytes, indicative of proper sample handling and for ensuring a contaminant free analytical system.

**LCS:** The LCS recoveries are within acceptance criteria for the target analytes, indicative of acceptable method accuracy and verifying proper instrument control.

**MS/MSD:** There was no QC Matrix analysis performed. The laboratory evaluated precision via a LCSD which was within limits. T

**Surrogates:** All surrogate recoveries are within acceptable criteria. This is indicative of acceptable method extraction and maintaining instrument control throughout the analytical sequence.

Reported results should be utilized with confidence.

## **TCLP Metals plus Beryllium Analysis in Soil by SW1311/6010B and SW7471A**

The ICP and CVAA systems were calibrated for the target analytes in accordance with method requirements. All instrument interference check samples were within control limits. The initial and continuing calibration check samples were within control limits. The initial calibration blank results were below reporting limits.

**Method Blanks:** The method blank results are below reporting limits.

**LCS:** The LCS recoveries are within acceptance criteria for the target analytes.

**MS/MSD:** The MS/MSD recoveries and precision are within acceptance limits.

Reported results should be utilized with confidence

## **Metals Analysis in Soil by 6010B and SW7471A**

The ICP and CVAA systems were calibrated for the target analytes in accordance with method requirements. All instrument interference check samples were within control limits. The initial and continuing calibration check samples were within control limits. The initial calibration blank results were below reporting limits.

**Method Blanks:** The method blank results are below reporting limits.

**LCS:** The LCS recoveries are within acceptance criteria for the target analytes.

**MS/MSD:** The MS/MSD recoveries and precision are within acceptance limits for all analytes for which the data is valid. The unspiked sample concentrations for aluminum, calcium, iron, magnesium, and potassium were greater than 4X the spiking level, rendering the data invalid.

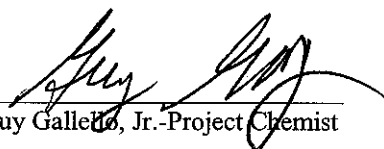
Reported results should be utilized with confidence

## General Chemistry

LCS recoveries for all spiked compounds were within control limits indicating acceptable method accuracy. A duplicate sample analysis was performed for reactive cyanide, reactive sulfide, Free Liquid, and pH. The percent RPD was within project objectives for pH. Percent RPDs could not be compared to the other duplicate since the results were below the QL.

## Summary of Analysis

The overall Quality Control data provided in the laboratory report is representative of adequate method accuracy and precision with regard to project objectives. The reported data should be utilized, without reservation, in the intended project decision-making process.

  
Guy Galletto, Jr.-Project Chemist

11/10/2006  
Date

# Analytical Report For 609051

for

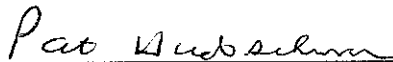
Shaw E&I, Inc

Project Manager: Guy Gallelo

Project Name: SAD-AOC2

**GPL**  
**Laboratories**

GPL Laboratories, LLLP certifies that the test results meet all requirements of the NELAC Standards unless otherwise noted.



Reviewed By,  
Project Manager



Approved By,  
Laboratory Director





## Case Narrative

Shaw E&I, Inc

SAD-AOC2

Work Order: 609051

Reviewed by Patricia Huebschman on 09-29-2006

The Case Narrative, Chain of Custody, Sample Receipt Checklist, and the cover page of the Sample Analysis Report, are integral parts of GPL Laboratories' report package. If you did not receive all of these documents, please contact GPL immediately.

### Sample Receipt

Two soil samples were received on 09/12/2006. The samples were delivered by UPS. Sample receipt conditions and temperature are documented on the Sample Receipt checklist.

### Sample Analysis

Samples were prepared and analyzed by GPL using the analytical methodologies indicated on the Sample Analysis Summary Report. In some chromatographic analyses, manual integration is used instead of automated integration because it produces more accurate results. All manual integrations are denoted on the sample quantitation report. Analysis results and limits for soil are reported on a dry weight basis unless otherwise specified on the report.

### Volatiles

One soil sample was analyzed for both TCLP and volatile compounds using SW 846 method 8260B.

Samples were analyzed within the holding time.

All surrogate and internal standard recoveries were within the QC limits.

Sample DS-AO15-001ABC had one surrogate recovery outside QC limits due to matrix interference. The sample was analyzed at 1:5 dilution.

Two laboratory control samples were analyzed along with sample batches. All spike recoveries were within the QC limits.

Manual integration was performed on some peaks that were improperly integrated by the software. The manually integrated compounds are designated by an " m " next to the area of the quantitation report and chromatograms for these compounds were submitted with the package.

### Semivolatiles

#### 8270-TCLP

One soil sample was extracted using SW846 method 3510C. This sample was analyzed for semivolatile TCLP compounds using method 8270C.

All extraction and analysis holding times were met.

2-Fluorophenol and Phenol-d5 surrogate recoveries for sample DS-AO15-001 were below the QC limits and the sample was re-analyzed with similar results, the re-injection data is included in the package for documentation purposes. The rest of the surrogate recoveries met the QC requirements.

The QC was shared with work order 609048. The matrix spike analysis was performed on sample DS-F-2. One spike recovery was outside the QC limits.

A laboratory control sample was extracted and analyzed along with this batch. One spike recovery was outside the QC limits.

#### 8270C

One soil sample was extracted using SW846 methods 3550B. This sample was analyzed for semi-volatile organic compounds using method 8270C.

All extraction and analysis holding times were met.

All surrogate recoveries were within the QC requirements.

The QC was shared with work order 609030. The matrix spike and duplicate analyses were performed on sample LL10-BLSTWALL. The Pyrene spike recovery in the MS/MSD pair were outside the QC limits due to the presence of this compound in the parent sample.

A laboratory control sample was extracted and analyzed with this batch. All spike recoveries were within the QC limits.

## **Pesticides**

One soil sample was extracted and analyzed for TCLP pesticide compounds using SW846 method 8081A.

The extraction and analysis holding times were met.

All surrogate recoveries were within the QC limits.

The matrix spike and analyses was shared with work order 609048. All recoveries were within the QC limits. A laboratory control sample was extracted and analyzed with this batch. All recoveries were well within the QC limits.

One soil sample was extracted and analyzed for Pesticide compounds using the EPA method 8081A.

Both Surrogate recoveries for the sample on both columns were outside QC limits due to matrix interference.

A laboratory control sample was extracted and analyzed along with batch. All recoveries were within the QC limits.

A matrix spike and matrix spike duplicate analyses were shared with work order 609004. Seventeen spike recoveries were outside the QC limits. All other recoveries were within the QC limits.

## **PCBs**

One soil sample was extracted and analyzed for PCB compounds using SW846 method 8082.

All extraction and analysis holding times were met.

TCMX surrogate recoveries for sample DS-AO15-001 on one column were outside the QC limits due to matrix interference.

The matrix spike and matrix spike duplicate analyses for both samples were shared with work order 609004. The MS, MSD for the PCB-1016 recoveries were outside the QC limits due to matrix interference.

Two laboratory control samples were extracted and analyzed along with the batch. The recoveries were within the QC limits.

## **Herbicides**

One soil sample was extracted and analyzed for TCLP Herbicide compounds using SW846 method 8151A.

All extraction and analysis holding times were met.

All surrogate recoveries were within the QC limits.

The matrix spike analysis was shared with work order 609048. All recoveries were within the QC limits.

A laboratory control sample was extracted and analyzed with the sample batch. All recoveries were within the QC limits.

One soil sample was extracted and analyzed for Herbicide compounds using SW846 method 8151A.

All extraction and analysis holding times were met.

2,4DCAA surrogate recoveries for all samples were outside the QC limits due to matrix interference.

The matrix spike analysis was performed on sample DS-AO15-001. The RPD for 2,4-D was outside the QC limits. All other recoveries were well within the QC limits.

A laboratory control sample was extracted and analyzed with the sample batch. All recoveries were within the QC limits.

## **Metals**

One soil sample was analyzed for HSL metals (except sodium) and TCLP plus beryllium by EPA SW846 methods.

The total metals and TCLP metals were reported on separate forms.

On form one, The software flags all results for specific elements with a B qualifier if they have a result above two times the MDL and less than 1/2 the reporting limit for a continuing calibration blank, initial calibration blank or interference check solution A.

A matrix spike and matrix spike duplicate were performed on the sample for all required total analytes. A serial dilution was also performed for ICP analytes. The matrix spike and matrix spike duplicates were outside of the control limits for antimony, barium, potassium, and vanadium; all associated data were flagged with an "N". A post digestion analytical spike was performed with recoveries within 25% of the true value (except barium). The post digestion spike failed for barium. No control limits were applied to the matrix spike for aluminum, calcium, iron, and magnesium; matrix spike duplicate for aluminum, calcium, iron, magnesium and manganese due to an insignificant spike addition.

A matrix spike and matrix spike duplicate were performed on the sample for all required TCLP analytes. A serial dilution was also performed for ICP analytes. They were within the control limits.

Calibration standards are verified against independent check standards purchased from a commercial vendor of environmental standards.

All GPL QA/QC criteria were met with the exceptions of those mentioned above.

## **General Chemistry**

One soil sample was distilled according to SW846 section 7.3 and was analyzed for Reactive Cyanide by method 9014 and Reactive Sulfide by method 9034.

A duplicate analysis was performed on this sample.

A laboratory control sample was distilled and analyzed along with the batch for each analyte.

All QC criteria were met.

## **Other Analysis**

One sample was analyzed using method SW 1010. A quality control standard was analyzed together with this sample and met calibration acceptance criteria. There was no flash-point on this sample.



Reviewed By,  
Project Manager



Approved By,  
Laboratory Director

# GPL Laboratories, LLLP

## Sample Summary Report

Shaw E&I, Inc

Work Order: 609051

Client Sample ID	Lab Sample ID	Analytical Method	Matrix	Date Sampled	Date Recieved
DS-AOI5-001ABC	609051-002-004-1/1	SW8260B_TCLP	WATER	09/11/2006	09/12/2006
DS-AOI5-001	609051-001-001-1/1	SW8270C	SOIL	09/11/2006	09/12/2006
	609051-001-001-1/1	SW8270C_TCLP			
	609051-001-001-1/1	SW8081A_TCLP			
	609051-001-001-1/1	SW8082			
	609051-001-001-1/1	SW8151A			
	609051-001-001-1/1	SW8151A_TCLP			
	609051-001-002-1/1	SW8082			
	609051-001-001-1/1	SW6010B			
	609051-001-001-1/1	SW7471A			
	609051-001-001-1/1	SW7471A_TCLP			
	609051-001-003-1/1	SW6010B_TCLP			
	609051-001-001-1/1	CLP_SOLIDS			
	609051-001-001-1/1	SW9014R			
	609051-001-001-1/1	SW9034R			
	609051-001-001-1/1	SW1010			
DS-AOI5-001 DL	609051-001-001-1/1 DL	SW8081A	SOIL	09/11/2006	09/12/2006
DS-AOI5-001ABC	609051-002-004-1/1	CLP_SOLIDS	SOIL	09/11/2006	09/12/2006
DS-AOI5-001ABCDL	609051-002-004-1/1DL	SW8260B	SOIL	09/11/2006	09/12/2006

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-AOI5-001	Lab Sample ID:	609051-001-001-1/1
Sample Date/Time:	09/11/2006 15:10	Percent Moisture:	18.8
Receipt Date/Time:	09/12/2006 10:00	Preparation Method:	SW3550
Prepared Date/Time:	09/18/2006 00:00	Analytical Method:	SW8270C

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	2,4,5-Trichlorophenol	BQL	U	410	1	ug/kg	09/21/06 22:02
2)	2,4-Dichlorophenol	BQL	U	410	1	ug/kg	09/21/06 22:02
3)	2,4-Dinitrophenol	BQL	U	820	1	ug/kg	09/21/06 22:02
4)	2,6-Dinitrotoluene	BQL	U	410	1	ug/kg	09/21/06 22:02
5)	2-Chlorophenol	BQL	U	410	1	ug/kg	09/21/06 22:02
6)	<b>2-Methylnaphthalene</b>	<b>4500</b>		<b>410</b>	<b>1</b>	<b>ug/kg</b>	<b>09/21/06 22:02</b>
7)	2-Nitroaniline	BQL	U	410	1	ug/kg	09/21/06 22:02
8)	2-Nitrophenol	BQL	U	410	1	ug/kg	09/21/06 22:02
9)	2-methylphenol	BQL	U	410	1	ug/kg	09/21/06 22:02
10)	3,3-Dichlorobenzidine	BQL	U	820	1	ug/kg	09/21/06 22:02
11)	3-Nitroaniline	BQL	U	410	1	ug/kg	09/21/06 22:02
12)	4-Chloroaniline	BQL	U	410	1	ug/kg	09/21/06 22:02
13)	4-Nitroaniline	BQL	U	410	1	ug/kg	09/21/06 22:02
14)	4-Nitrophenol	BQL	U	820	1	ug/kg	09/21/06 22:02
15)	4-chloro-3-methylphenol	BQL	U	410	1	ug/kg	09/21/06 22:02
16)	<b>4-methylphenol</b>	<b>750</b>		<b>410</b>	<b>1</b>	<b>ug/kg</b>	<b>09/21/06 22:02</b>
17)	Acenaphthene	BQL	U	410	1	ug/kg	09/21/06 22:02
18)	Acenaphthylene	BQL	U	410	1	ug/kg	09/21/06 22:02
19)	Aniline (Phenylamine, Aminobenzene)	BQL	U	410	1	ug/kg	09/21/06 22:02
20)	Anthracene	BQL	U	410	1	ug/kg	09/21/06 22:02
21)	Benzo(a)anthracene	BQL	U	410	1	ug/kg	09/21/06 22:02
22)	Benzo(a)pyrene	BQL	U	410	1	ug/kg	09/21/06 22:02
23)	Benzo(b)fluoranthene	BQL	U	410	1	ug/kg	09/21/06 22:02
24)	Benzo(g,h,i)perylene	BQL	U	410	1	ug/kg	09/21/06 22:02
25)	Benzo(k)fluoranthene	BQL	U	410	1	ug/kg	09/21/06 22:02
26)	Benzoic Acid	BQL	U	820	1	ug/kg	09/21/06 22:02
27)	Benzyl Butyl Phthalate	BQL	U	410	1	ug/kg	09/21/06 22:02
28)	Chrysene	BQL	U	410	1	ug/kg	09/21/06 22:02

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-AOI5-001	Lab Sample ID:	609051-001-001-1/1
Sample Date/Time:	09/11/2006 15:10	Percent Moisture:	18.8
Receipt Date/Time:	09/12/2006 10:00	Preparation Method:	SW3550
Prepared Date/Time:	09/18/2006 00:00	Analytical Method:	SW8270C

29) Dibenz(a,h)Anthracene	BQL U	410	1	ug/kg	09/21/06	22:02
30) Dibenzofuran	BQL U	410	1	ug/kg	09/21/06	22:02
31) Diethyl Phthalate	BQL U	410	1	ug/kg	09/21/06	22:02
32) Dimethyl Phthalate	BQL U	410	1	ug/kg	09/21/06	22:02
33) Fluoranthene	BQL U	410	1	ug/kg	09/21/06	22:02
34) Fluorene	BQL U	410	1	ug/kg	09/21/06	22:02
35) Hexachlorobenzene	BQL U	410	1	ug/kg	09/21/06	22:02
36) Indeno(1,2,3-c,d)Pyrene	BQL U	410	1	ug/kg	09/21/06	22:02
37) Isophorone	BQL U	410	1	ug/kg	09/21/06	22:02
38) <b>Naphthalene</b>	<b>4000</b>	<b>410</b>	<b>1</b>	<b>ug/kg</b>	<b>09/21/06</b>	<b>22:02</b>
39) Nitrobenzene	BQL U	410	1	ug/kg	09/21/06	22:02
40) Pentachlorophenol	BQL U	820	1	ug/kg	09/21/06	22:02
41) Phenanthrene	240 J	410	1	ug/kg	09/21/06	22:02
42) Phenol	BQL U	410	1	ug/kg	09/21/06	22:02
43) Pyrene	BQL U	410	1	ug/kg	09/21/06	22:02
44) bis(2-ethylhexyl) phthalate	BQL U	410	1	ug/kg	09/21/06	22:02
45) <b>di-n-Butyl Phthalate</b>	<b>3300</b>	<b>410</b>	<b>1</b>	<b>ug/kg</b>	<b>09/21/06</b>	<b>22:02</b>
46) di-n-Octyl Phthalate	BQL U	410	1	ug/kg	09/21/06	22:02

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
47) 2,4,6-Tribromophenol	96 %	35 - 125	1	09/21/06	22:02
48) 2-Fluorobiphenyl	74 %	45 - 105	1	09/21/06	22:02
49) 2-Fluorophenol	58 %	35 - 105	1	09/21/06	22:02
50) Nitrobenzene-d5	59 %	35 - 100	1	09/21/06	22:02
51) Phenol-d5	68 %	40 - 100	1	09/21/06	22:02
52) p-Terphenyl-d14	114 %	30 - 125	1	09/21/06	22:02

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-AOI5-001	Lab Sample ID:	609051-001-001-1/1
Sample Date/Time:	09/11/2006 15:10	Percent Moisture:	18.8
Receipt Date/Time:	09/12/2006 10:00	Preparation Method:	SW3510C
Prepared Date/Time:	09/13/2006 00:00	Analytical Method:	SW8270C_TCLP

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	1,4-Dichlorobenzene	BQL	U	50	1	ug/L	09/15/06	12:47
2)	2,4,5-Trichlorophenol	BQL	U	50	1	ug/L	09/15/06	12:47
3)	2,4,6-Trichlorophenol	BQL	U	50	1	ug/L	09/15/06	12:47
4)	2,4-Dinitrotoluene	BQL	U	50	1	ug/L	09/15/06	12:47
5)	2-methylphenol	BQL	U	50	1	ug/L	09/15/06	12:47
6)	3-Methylphenol	BQL	U	50	1	ug/L	09/15/06	12:47
7)	4-methylphenol	BQL	U	50	1	ug/L	09/15/06	12:47
8)	Hexachlorobenzene	BQL	U	50	1	ug/L	09/15/06	12:47
9)	Hexachlorobutadiene	BQL	U	50	1	ug/L	09/15/06	12:47
10)	Hexachloroethane	BQL	U	50	1	ug/L	09/15/06	12:47
11)	Nitrobenzene	BQL	U	50	1	ug/L	09/15/06	12:47
12)	Pentachlorophenol	BQL	U	100	1	ug/L	09/15/06	12:47
13)	Pyridine	BQL	U	50	1	ug/L	09/15/06	12:47

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
14)	2,4,6-Tribromophenol	67 %	35 - 157	1	09/15/06	12:47
15)	2-Fluorobiphenyl	61 %	46 - 108	1	09/15/06	12:47
16)	<b>2-Fluorophenol</b>	<b>27 %</b>	<b>28 - 116</b>	<b>1</b>	<b>09/15/06</b>	<b>12:47</b>
17)	Nitrobenzene-d5	62 %	38 - 122	1	09/15/06	12:47
18)	<b>Phenol-d5</b>	<b>18 %</b>	<b>34 - 118</b>	<b>1</b>	<b>09/15/06</b>	<b>12:47</b>
19)	p-Terphenyl-d14	96 %	29 - 133	1	09/15/06	12:47

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-AOI5-001	Lab Sample ID:	609051-001-001-1/1
Sample Date/Time:	09/11/2006 15:10	Percent Moisture:	18.8
Receipt Date/Time:	09/12/2006 10:00	Preparation Method:	SW3510C
Prepared Date/Time:	09/13/2006 00:00	Analytical Method:	SW8081A_TCLP

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Chlordane	BQL	U	5.0	1	ug/L	09/15/06	11:13
2)	Endrin	BQL	U	0.25	1	ug/L	09/15/06	11:13
3)	Gamma-BHC (Lindane)	BQL	U	0.25	1	ug/L	09/15/06	11:13
4)	Heptachlor	BQL	U	0.25	1	ug/L	09/15/06	11:13
5)	Heptachlor Epoxide	BQL	U	0.25	1	ug/L	09/15/06	11:13
6)	Methoxychlor	0.17	J	0.25	1	ug/L	09/15/06	11:13
7)	Toxaphene	BQL	U	5.0	1	ug/L	09/15/06	11:13

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
8)	Decachlorobiphenyl	72 %	16 - 155	1	09/15/06	11:13
9)	Decachlorobiphenyl	71 %	16 - 155	1	09/15/06	11:13
10)	Tetrachloro-m-xylene	74 %	6 - 154	1	09/15/06	11:13
11)	Tetrachloro-m-xylene	124 %	6 - 154	1	09/15/06	11:13



# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-AOI5-001	Lab Sample ID:	609051-001-001-1/1
Sample Date/Time:	09/11/2006 15:10	Percent Moisture:	18.8
Receipt Date/Time:	09/12/2006 10:00	Preparation Method:	SW3550
Prepared Date/Time:	09/12/2006 00:00	Analytical Method:	SW8082

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	PCB-1016	BQL	U	21	1	ug/kg	09/13/06	15:43
2)	PCB-1221	BQL	U	21	1	ug/kg	09/13/06	15:43
3)	PCB-1232	BQL	U	21	1	ug/kg	09/13/06	15:43
4)	PCB-1242	BQL	U	21	1	ug/kg	09/13/06	15:43
5)	PCB-1248	BQL	U	21	1	ug/kg	09/13/06	15:43
6)	PCB-1254	BQL	U	21	1	ug/kg	09/13/06	15:43
7)	PCB-1260	BQL	U	21	1	ug/kg	09/13/06	15:43

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
8)	Decachlorobiphenyl	74 %	30 - 144	1	09/13/06	15:43
9)	Decachlorobiphenyl	88 %	30 - 144	1	09/13/06	15:43
10)	Tetrachloro-m-xylene	86 %	49 - 133	1	09/13/06	15:43
11)	<b>Tetrachloro-m-xylene</b>	<b>263 %</b>	<b>49 - 133</b>	<b>1</b>	<b>09/13/06</b>	<b>15:43</b>

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-AOI5-001	Lab Sample ID:	609051-001-001-1/1
Sample Date/Time:	09/11/2006 15:10	Percent Moisture:	18.8
Receipt Date/Time:	09/12/2006 10:00	Preparation Method:	EXT_SW8151
Prepared Date/Time:	09/18/2006 00:00	Analytical Method:	SW8151A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	2,4,5-T	BQL	U	120	1	ug/kg	09/21/06 12:09
2)	2,4,5-TP (Silvex)	BQL	U	120	1	ug/kg	09/21/06 12:09
3)	2,4-D	BQL	U	120	1	ug/kg	09/21/06 12:09

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
4)	2,4-DCAA	1218 %	29 - 143	1	09/21/06 12:09
5)	2,4-DCAA	2605 %	29 - 143	1	09/21/06 12:09

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-AOI5-001	Lab Sample ID:	609051-001-001-1/1
Sample Date/Time:	09/11/2006 15:10	Percent Moisture:	18.8
Receipt Date/Time:	09/12/2006 10:00	Preparation Method:	EXT_SW8151
Prepared Date/Time:	09/13/2006 00:00	Analytical Method:	SW8151A_TCLP

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	2,4,5-TP (Silvex)	BQL	U	5.0	1	ug/L	09/15/06 11:40
2)	2,4-D	BQL	U	5.0	1	ug/L	09/15/06 11:40

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
3)	2,4-DCAA	85 %	7 - 170	1	09/15/06 11:40
4)	2,4-DCAA	59 %	7 - 170	1	09/15/06 11:40

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-AOI5-001	Lab Sample ID:	609051-001-001-1/1
Sample Date/Time:	09/11/2006 15:10	Percent Moisture:	18.8
Receipt Date/Time:	09/12/2006 10:00	Preparation Method:	SW3050B
Prepared Date/Time:	09/19/2006 12:00	Analytical Method:	SW6010B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	<b>Aluminum</b>	<b>15300</b>		<b>21.8</b>	<b>1</b>	<b>mg/kg</b>	<b>09/20/06 17:46</b>
2)	Antimony	0.48	JN	2.2	1	mg/kg	09/20/06 17:46
3)	<b>Arsenic</b>	<b>9.5</b>		<b>2.2</b>	<b>1</b>	<b>mg/kg</b>	<b>09/20/06 17:46</b>
4)	<b>Barium</b>	<b>79.8</b>	<b>N</b>	<b>0.54</b>	<b>1</b>	<b>mg/kg</b>	<b>09/20/06 17:46</b>
5)	<b>Beryllium</b>	<b>0.77</b>		<b>0.22</b>	<b>1</b>	<b>mg/kg</b>	<b>09/20/06 17:46</b>
6)	Cadmium	0.47	JB	0.65	1	mg/kg	09/20/06 17:46
7)	<b>Calcium</b>	<b>37800</b>		<b>109</b>	<b>1</b>	<b>mg/kg</b>	<b>09/20/06 17:46</b>
8)	<b>Chromium</b>	<b>23.8</b>		<b>0.54</b>	<b>1</b>	<b>mg/kg</b>	<b>09/20/06 17:46</b>
9)	<b>Cobalt</b>	<b>15.6</b>		<b>0.54</b>	<b>1</b>	<b>mg/kg</b>	<b>09/20/06 17:46</b>
10)	<b>Copper</b>	<b>44.7</b>	<b>B</b>	<b>1.1</b>	<b>1</b>	<b>mg/kg</b>	<b>09/20/06 17:46</b>
11)	<b>Iron</b>	<b>35400</b>		<b>16.3</b>	<b>1</b>	<b>mg/kg</b>	<b>09/20/06 17:46</b>
12)	<b>Lead</b>	<b>17.2</b>		<b>1.1</b>	<b>1</b>	<b>mg/kg</b>	<b>09/21/06 16:21</b>
13)	<b>Magnesium</b>	<b>8670</b>	<b>B</b>	<b>27.2</b>	<b>1</b>	<b>mg/kg</b>	<b>09/20/06 17:46</b>
14)	<b>Manganese</b>	<b>497</b>		<b>0.54</b>	<b>1</b>	<b>mg/kg</b>	<b>09/20/06 17:46</b>
15)	<b>Nickel</b>	<b>35.1</b>	<b>B</b>	<b>1.1</b>	<b>1</b>	<b>mg/kg</b>	<b>09/20/06 17:46</b>
16)	<b>Potassium</b>	<b>2460</b>	<b>N</b>	<b>27.2</b>	<b>1</b>	<b>mg/kg</b>	<b>09/20/06 17:46</b>
17)	Selenium	BQL	U	2.2	1	mg/kg	09/20/06 17:46
18)	Silver	BQL	U	0.54	1	mg/kg	09/20/06 17:46
19)	Thallium	1.1	J	3.3	1	mg/kg	09/20/06 17:46
20)	<b>Vanadium</b>	<b>27.6</b>	<b>NB</b>	<b>1.1</b>	<b>1</b>	<b>mg/kg</b>	<b>09/20/06 17:46</b>
21)	<b>Zinc</b>	<b>93.8</b>		<b>2.2</b>	<b>1</b>	<b>mg/kg</b>	<b>09/20/06 17:46</b>

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-AOI5-001	Lab Sample ID:	609051-001-001-1/1
Sample Date/Time:	09/11/2006 15:10	Percent Moisture:	18.8
Receipt Date/Time:	09/12/2006 10:00	Preparation Method:	SW7471_DIG
Prepared Date/Time:	09/18/2006 19:00	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Mercury	0.038	J	0.039	1	mg/kg	09/19/06 17:02

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-AOI5-001	Lab Sample ID:	609051-001-001-1/1
Sample Date/Time:	09/11/2006 15:10	Percent Moisture:	18.8
Receipt Date/Time:	09/12/2006 10:00	Preparation Method:	SW7470A_DIG
Prepared Date/Time:	09/14/2006 14:00	Analytical Method:	SW7471A_TCLP

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Mercury	BQL	U	2	1	ug/L	09/14/06 20:05

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-AOI5-001	Lab Sample ID:	609051-001-001-1/1
Sample Date/Time:	09/11/2006 15:10	Percent Moisture:	18.8
Receipt Date/Time:	09/12/2006 10:00	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Percent Solids	81		1.0	1	%	09/13/06 15:27

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-AOI5-001	Lab Sample ID:	609051-001-001-1/1
Sample Date/Time:	09/11/2006 15:10	Percent Moisture:	18.8
Receipt Date/Time:	09/12/2006 10:00	Preparation Method:	SW7.3_EXT
Prepared Date/Time:	09/14/2006 08:00	Analytical Method:	SW9014R

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Cyanide, Reactive	BQL	U	0.020	1	mg/kg	09/14/06 14:00



# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-AOI5-001	Lab Sample ID:	609051-001-001-1/1
Sample Date/Time:	09/11/2006 15:10	Percent Moisture:	18.8
Receipt Date/Time:	09/12/2006 10:00	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	SW9034R

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Sulfide, Reactive	110		9.6	1	mg/kg	09/14/06 10:00

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-AOI5-001	Lab Sample ID:	609051-001-001-1/1
Sample Date/Time:	09/11/2006 15:10	Percent Moisture:	NA
Receipt Date/Time:	09/12/2006 10:00	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	SW1010

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Flash Point	BQL	U	100	1	DC	09/12/06 00:00

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-AOI5-001 DL	Lab Sample ID:	609051-001-001-1/1 DL
Sample Date/Time:	09/11/2006 15:10	Percent Moisture:	18.8
Receipt Date/Time:	09/12/2006 10:00	Preparation Method:	SW3550
Prepared Date/Time:	09/18/2006 00:00	Analytical Method:	SW8081A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	4,4-DDD	270		21	10	ug/kg	09/19/06 20:59
2)	4,4-DDE	BQL	U	21	10	ug/kg	09/19/06 20:59
3)	4,4-DDT	BQL	U	21	10	ug/kg	09/19/06 20:59
4)	Aldrin	BQL	U	21	10	ug/kg	09/19/06 20:59
5)	Alpha-BHC	BQL	U	21	10	ug/kg	09/19/06 20:59
6)	Beta-BHC	BQL	U	21	10	ug/kg	09/19/06 20:59
7)	Chlordane	BQL	U	410	10	ug/kg	09/19/06 20:59
8)	Delta-BHC	BQL	U	21	10	ug/kg	09/19/06 20:59
9)	Dieldrin	BQL	U	21	10	ug/kg	09/19/06 20:59
10)	Endosulfan I	BQL	U	21	10	ug/kg	09/19/06 20:59
11)	Endosulfan II	BQL	U	21	10	ug/kg	09/19/06 20:59
12)	Endosulfan Sulfate	BQL	U	21	10	ug/kg	09/19/06 20:59
13)	Endrin	BQL	U	21	10	ug/kg	09/19/06 20:59
14)	Gamma-BHC (Lindane)	BQL	U	21	10	ug/kg	09/19/06 20:59
15)	Heptachlor	BQL	U	21	10	ug/kg	09/19/06 20:59
16)	Heptachlor Epoxide	BQL	U	21	10	ug/kg	09/19/06 20:59
17)	Methoxychlor	BQL	U	21	10	ug/kg	09/19/06 20:59

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
18)	Decachlorobiphenyl	122 %	36 - 120	10	09/19/06 20:59
19)	Decachlorobiphenyl	179 %	36 - 120	10	09/19/06 20:59
20)	Tetrachloro-m-xylene	485 %	36 - 120	10	09/19/06 20:59
21)	Tetrachloro-m-xylene	140 %	36 - 120	10	09/19/06 20:59

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-AOI5-001	Lab Sample ID:	609051-001-002-1/1
Sample Date/Time:	09/11/2006 15:10	Percent Moisture:	18.8
Receipt Date/Time:	09/12/2006 10:00	Preparation Method:	SW3550
Prepared Date/Time:	09/18/2006 07:54	Analytical Method:	SW8082

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	PCB-1016	BQL	U	21	1	ug/kg	09/20/06	07:20
2)	PCB-1221	BQL	U	21	1	ug/kg	09/20/06	07:20
3)	PCB-1232	BQL	U	21	1	ug/kg	09/20/06	07:20
4)	PCB-1242	BQL	U	21	1	ug/kg	09/20/06	07:20
5)	PCB-1248	BQL	U	21	1	ug/kg	09/20/06	07:20
6)	PCB-1254	BQL	U	21	1	ug/kg	09/20/06	07:20
7)	PCB-1260	BQL	U	21	1	ug/kg	09/20/06	07:20

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
8)	Decachlorobiphenyl	33 %	30 - 144	1	09/20/06	07:20
9)	Decachlorobiphenyl	40 %	30 - 144	1	09/20/06	07:20
10)	Tetrachloro-m-xylene	80 %	49 - 133	1	09/20/06	07:20
11)	<b>Tetrachloro-m-xylene</b>	<b>33 %</b>	<b>49 - 133</b>	<b>1</b>	<b>09/20/06</b>	<b>07:20</b>

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-AOI5-001	Lab Sample ID:	609051-001-003-1/1
Sample Date/Time:	09/11/2006 15:10	Percent Moisture:	18.8
Receipt Date/Time:	09/12/2006 10:00	Preparation Method:	SW3010A
Prepared Date/Time:	09/13/2006 00:00	Analytical Method:	SW6010B_TCLP

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Arsenic	BQL	U	200	1	ug/L	09/14/06	18:23
2)	Barium	BQL	U	1000	1	ug/L	09/14/06	18:23
3)	Beryllium	BQL	U	20	1	ug/L	09/14/06	18:23
4)	Cadmium	BQL	U	60	1	ug/L	09/14/06	18:23
5)	Chromium	BQL	U	50	1	ug/L	09/14/06	18:23
6)	Lead	BQL	U	100	1	ug/L	09/14/06	18:23
7)	Selenium	BQL	U	200	1	ug/L	09/14/06	18:23
8)	Silver	BQL	U	50	1	ug/L	09/14/06	18:23

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	WATER
Client Sample ID:	DS-AOI5-001ABC	Lab Sample ID:	609051-002-004-1/1
Sample Date/Time:	09/11/2006 15:10	Percent Moisture:	NA
Receipt Date/Time:	09/12/2006 10:00	Preparation Method:	SW5030B
Prepared Date/Time:	09/13/2006 06:11	Analytical Method:	SW8260B_TCLP

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	1,1-Dichloroethene	BQL	U	100	10	ug/L	09/13/06	13:44
2)	1,2-Dichloroethane	BQL	U	100	10	ug/L	09/13/06	13:44
3)	2-Butanone	BQL	U	100	10	ug/L	09/13/06	13:44
4)	Benzene	BQL	U	100	10	ug/L	09/13/06	13:44
5)	Carbon Tetrachloride	BQL	U	100	10	ug/L	09/13/06	13:44
6)	Chlorobenzene	BQL	U	100	10	ug/L	09/13/06	13:44
7)	Chloroform	15	J	100	10	ug/L	09/13/06	13:44
8)	Tetrachloroethylene	BQL	U	100	10	ug/L	09/13/06	13:44
9)	Trichloroethene	BQL	U	100	10	ug/L	09/13/06	13:44
10)	Vinyl Chloride	13	J	100	10	ug/L	09/13/06	13:44

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
11)	1,2-Dichlorobenzene-d4	101 %	64 - 132	10	09/13/06	13:44
12)	1,2-Dichloroethane-d4	88 %	70 - 120	10	09/13/06	13:44
13)	4-Bromofluorobenzene	90 %	75 - 120	10	09/13/06	13:44
14)	Toluene-D8	100 %	85 - 120	10	09/13/06	13:44

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-AOI5-001ABC	Lab Sample ID:	609051-002-004-1/1
Sample Date/Time:	09/11/2006 15:10	Percent Moisture:	24.91
Receipt Date/Time:	09/12/2006 10:00	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Percent Solids	75		1.0	1	%	09/21/06 12:49

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-AOI5-001ABCDL	Lab Sample ID:	609051-002-004-1/1DL
Sample Date/Time:	09/11/2006 15:10	Percent Moisture:	NA
Receipt Date/Time:	09/12/2006 10:00	Preparation Method:	SW5030B
Prepared Date/Time:	09/18/2006 09:53	Analytical Method:	SW8260B

#	Parameter	* Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	1,1,1-Trichloroethane	BQL	U	25	5	ug/kg	09/18/06 18:22
2)	1,1,2,2-Tetrachloroethane	BQL	U	25	5	ug/kg	09/18/06 18:22
3)	1,1,2-Trichloroethane	BQL	U	25	5	ug/kg	09/18/06 18:22
4)	1,1-Dichloroethane	BQL	U	25	5	ug/kg	09/18/06 18:22
5)	1,1-Dichloroethene	BQL	U	25	5	ug/kg	09/18/06 18:22
6)	1,2-Dichlorobenzene	BQL	U	25	5	ug/kg	09/18/06 18:22
7)	1,2-Dichloroethane	BQL	U	25	5	ug/kg	09/18/06 18:22
8)	1,4-Dichlorobenzene	BQL	U	25	5	ug/kg	09/18/06 18:22
9)	2-Butanone	BQL	U	50	5	ug/kg	09/18/06 18:22
10)	4-Methyl-2-Pentanone	BQL	U	50	5	ug/kg	09/18/06 18:22
11)	Acetone	BQL	U	50	5	ug/kg	09/18/06 18:22
12)	Benzene	7.3	J	25	5	ug/kg	09/18/06 18:22
13)	Bromomethane	BQL	U	50	5	ug/kg	09/18/06 18:22
14)	Carbon Disulfide	BQL	U	25	5	ug/kg	09/18/06 18:22
15)	Carbon Tetrachloride	BQL	U	25	5	ug/kg	09/18/06 18:22
16)	Chlorobenzene	BQL	U	25	5	ug/kg	09/18/06 18:22
17)	Chloroethane	BQL	U	50	5	ug/kg	09/18/06 18:22
18)	Chloroform	BQL	U	25	5	ug/kg	09/18/06 18:22
19)	Chloromethane	BQL	U	50	5	ug/kg	09/18/06 18:22
20)	Dibromochloromethane	BQL	U	25	5	ug/kg	09/18/06 18:22
21)	<b>Ethylbenzene</b>	<b>150</b>		<b>25</b>	<b>5</b>	<b>ug/kg</b>	<b>09/18/06 18:22</b>
22)	Freon 113	BQL	U	25	5	ug/kg	09/18/06 18:22
23)	Methylene Chloride	BQL	U	50	5	ug/kg	09/18/06 18:22
24)	Styrene	BQL	U	25	5	ug/kg	09/18/06 18:22
25)	Tetrachloroethylene	BQL	U	25	5	ug/kg	09/18/06 18:22
26)	<b>Toluene</b>	<b>41</b>		<b>25</b>	<b>5</b>	<b>ug/kg</b>	<b>09/18/06 18:22</b>
27)	Trichloroethene	BQL	U	25	5	ug/kg	09/18/06 18:22
28)	Vinyl Chloride	BQL	U	50	5	ug/kg	09/18/06 18:22



# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DS-AOI5-001ABCDL	Lab Sample ID:	609051-002-004-1/1DL
Sample Date/Time:	09/11/2006 15:10	Percent Moisture:	NA
Receipt Date/Time:	09/12/2006 10:00	Preparation Method:	SW5030B
Prepared Date/Time:	09/18/2006 09:53	Analytical Method:	SW8260B

29) Xylenes, Total	1800	25	5	ug/kg	09/18/06	18:22
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#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
30)	1,2-Dichlorobenzene-d4	66 %	65 - 123	5	09/18/06 18:22
31)	1,2-Dichloroethane-d4	89 %	65 - 125	5	09/18/06 18:22
32)	<b>4-Bromofluorobenzene</b>	<b>134 %</b>	<b>85 - 120</b>	<b>5</b>	<b>09/18/06 18:22</b>
33)	Toluene-D8	113 %	85 - 115	5	09/18/06 18:22

# GPL Laboratories, LLLP

## Qualifier Definitions

Shaw E&I, Inc

Work Order: 609051

### All Departments

- U Indicates that the compound was analyzed for but not detected
- BQL Below Quantitation Limit

### Organics

- B Indicates that the analyte was found in the associated blank as well as in the sample
- D Indicates that the analyte was reported from a diluted analysis
- E Indicates that the concentration detected exceeded the calibration range of the instrument
- J Value is less than the reporting limit but greater than the MDL
- P Indicates that there is greater than 25% difference for detected pesticide/Arochlor results between the two GC columns

### Metals

- J Indicates that the reported value was less than the reporting limit but greater than or equal to the IDL/MDL
- E Indicates that the reported value is estimated because of the possible presence of interference (i.e. the serial dilution not within control limits)
- H Indicates that the element was found in the associated blank as well as in the sample and the value is greater than or equal to the reporting limit
- D Indicates that the analyte was reported from a diluted analysis
- N Spiked sample recovery not within control limits
- \* Duplicate analysis not within control limits

## SDG: 609051

**GPL LABORATORIES, ILLP**

# GPL Laboratories, LLLP

Chain of Custody

Shaw E&I, Inc

SDG: 609051

GPL LABORATORIES, LLLP

7210A Corporate Court  
Frederick, MD 21703  
(301) 694-5310  
Fax (301) 620-0731

Corrosion Milling Reference

Client Information				Total Time		Lab Order No.		Page	
Client: <u>Shaw E&amp;I, Inc</u>				# of Containers: <u>3</u>		Lab Order No. <u>609051</u>		Page <u>1</u>	
Send Pass To: <u>Guy, Gallelo</u>				Container Type: <u>402</u>		Lab Order No. <u>609051</u>		Page <u>1</u>	
Address: <u>1646 W. Rt 214 East</u>				Preservative: <u>None</u>		Lab Order No. <u>609051</u>		Page <u>1</u>	
Phone: <u>410-625-6080</u>				Type of Analysis: <u>TEL R/S</u>		Lab Order No. <u>609051</u>		Page <u>1</u>	
Sample ID	Date Sampled	Time Sampled	Sample Matrix	Sample's Initials	TEL R/S	TEL R/S	TEL R/S	TEL R/S	TEL R/S
DS-105-001	9/15/00	1700	Soil	af	X				
DS-105-002	9/15/00	1700	Soil	af	X				
DS-105-003	9/15/00	1700	Soil	af	X				
DS-105-004	9/15/00	1700	Soil	af	X				
DS-105-005	9/15/00	1700	Soil	af	X				
DS-105-006	9/15/00	1700	Soil	af	X				
DS-105-007	9/15/00	1700	Soil	af	X				
DS-105-008	9/15/00	1700	Soil	af	X				
DS-105-009	9/15/00	1700	Soil	af	X				
DS-105-010	9/15/00	1700	Soil	af	X				
DS-105-011	9/15/00	1700	Soil	af	X				
DS-105-012	9/15/00	1700	Soil	af	X				
DS-105-013	9/15/00	1700	Soil	af	X				
DS-105-014	9/15/00	1700	Soil	af	X				
DS-105-015	9/15/00	1700	Soil	af	X				
DS-105-016	9/15/00	1700	Soil	af	X				
DS-105-017	9/15/00	1700	Soil	af	X				
DS-105-018	9/15/00	1700	Soil	af	X				
DS-105-019	9/15/00	1700	Soil	af	X				
DS-105-020	9/15/00	1700	Soil	af	X				
DS-105-021	9/15/00	1700	Soil	af	X				
DS-105-022	9/15/00	1700	Soil	af	X				
DS-105-023	9/15/00	1700	Soil	af	X				
DS-105-024	9/15/00	1700	Soil	af	X				
DS-105-025	9/15/00	1700	Soil	af	X				
DS-105-026	9/15/00	1700	Soil	af	X				
DS-105-027	9/15/00	1700	Soil	af	X				
DS-105-028	9/15/00	1700	Soil	af	X				
DS-105-029	9/15/00	1700	Soil	af	X				
DS-105-030	9/15/00	1700	Soil	af	X				
DS-105-031	9/15/00	1700	Soil	af	X				
DS-105-032	9/15/00	1700	Soil	af	X				
DS-105-033	9/15/00	1700	Soil	af	X				
DS-105-034	9/15/00	1700	Soil	af	X				
DS-105-035	9/15/00	1700	Soil	af	X				
DS-105-036	9/15/00	1700	Soil	af	X				
DS-105-037	9/15/00	1700	Soil	af	X				
DS-105-038	9/15/00	1700	Soil	af	X				
DS-105-039	9/15/00	1700	Soil	af	X				
DS-105-040	9/15/00	1700	Soil	af	X				
DS-105-041	9/15/00	1700	Soil	af	X				
DS-105-042	9/15/00	1700	Soil	af	X				
DS-105-043	9/15/00	1700	Soil	af	X				
DS-105-044	9/15/00	1700	Soil	af	X				
DS-105-045	9/15/00	1700	Soil	af	X				
DS-105-046	9/15/00	1700	Soil	af	X				
DS-105-047	9/15/00	1700	Soil	af	X				
DS-105-048	9/15/00	1700	Soil	af	X				
DS-105-049	9/15/00	1700	Soil	af	X				
DS-105-050	9/15/00	1700	Soil	af	X				
DS-105-051	9/15/00	1700	Soil	af	X				
DS-105-052	9/15/00	1700	Soil	af	X				
DS-105-053	9/15/00	1700	Soil	af	X				
DS-105-054	9/15/00	1700	Soil	af	X				
DS-105-055	9/15/00	1700	Soil	af	X				
DS-105-056	9/15/00	1700	Soil	af	X				
DS-105-057	9/15/00	1700	Soil	af	X				
DS-105-058	9/15/00	1700	Soil	af	X				
DS-105-059	9/15/00	1700	Soil	af	X				
DS-105-060	9/15/00	1700	Soil	af	X				
DS-105-061	9/15/00	1700	Soil	af	X				
DS-105-062	9/15/00	1700	Soil	af	X				
DS-105-063	9/15/00	1700	Soil	af	X				
DS-105-064	9/15/00	1700	Soil	af	X				
DS-105-065	9/15/00	1700	Soil	af	X				
DS-105-066	9/15/00	1700	Soil	af	X				
DS-105-067	9/15/00	1700	Soil	af	X				
DS-105-068	9/15/00	1700	Soil	af	X				
DS-105-069	9/15/00	1700	Soil	af	X				
DS-105-070	9/15/00	1700	Soil	af	X				
DS-105-071	9/15/00	1700	Soil	af	X				
DS-105-072	9/15/00	1700	Soil	af	X				
DS-105-073	9/15/00	1700	Soil	af	X				
DS-105-074	9/15/00	1700	Soil	af	X				
DS-105-075	9/15/00	1700	Soil	af	X				
DS-105-076	9/15/00	1700	Soil	af	X				
DS-105-077	9/15/00	1700	Soil	af	X				
DS-105-078	9/15/00	1700	Soil	af	X				
DS-105-079	9/15/00	1700	Soil	af	X				
DS-105-080	9/15/00	1700	Soil	af	X				
DS-105-081	9/15/00	1700	Soil	af	X				
DS-105-082	9/15/00	1700	Soil	af	X				
DS-105-083	9/15/00	1700	Soil	af	X				
DS-105-084	9/15/00	1700	Soil	af	X				
DS-105-085	9/15/00	1700	Soil	af	X				
DS-105-086	9/15/00	1700	Soil	af	X				
DS-105-087	9/15/00	1700	Soil	af	X				
DS-105-088	9/15/00	1700	Soil	af	X				
DS-105-089	9/15/00	1700	Soil	af	X				
DS-105-090	9/15/00	1700	Soil	af	X				
DS-105-091	9/15/00	1700	Soil	af	X				
DS-105-092	9/15/00	1700	Soil	af	X				
DS-105-093	9/15/00	1700	Soil	af	X				
DS-105-094	9/15/00	1700	Soil	af	X				
DS-105-095	9/15/00	1700	Soil	af	X				
DS-105-096	9/15/00	1700	Soil	af	X				
DS-105-097	9/15/00	1700	Soil	af	X				
DS-105-098	9/15/00	1700	Soil	af	X				
DS-105-099	9/15/00	1700	Soil	af	X				
DS-105-100	9/15/00	1700	Soil	af	X				

G.P. W.O. 609051

## SDG: 609051

[illegible]

# GPL Laboratories, LLLP

## Chain of Custody

Shaw E&I, Inc

SDG: 609051

GPL Laboratories, LLLP

### Figure 1 SAMPLE RECEIPT CHECKLIST

W.O. No: 609051  
Client Name: Shaw  
Date Received: 09/12/06  
Time Received: 9:30  
Received By: Chris

Carrier Name: UPS  
Prepared (Logged In) By: CL 09/12/06  
Initials Date  
Project: \_\_\_\_\_  
Site: \_\_\_\_\_  
VOA Holding Blank I.D. No: \_\_\_\_\_

Airbly/Mariner Present?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Trip Blanks: No. of Sets	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
No. <u>1132 039 9775</u>		Field Blanks: No. of Sets	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Shipping Container in Good Condition?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Equip. Blank: No. of Sets	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Custody Seals Present in Shipping Container?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Field Duplicates: No. of Sets	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Condition: Broken _____		MSW/SC: No. of Sets	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Intact-not dated or signed _____		VCA Vials Have Zero Headspace?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Intact-dated and signed <input checked="" type="checkbox"/>		Preservatives Added to Sample?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Usage of Tamper Evident Type	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	pl. Check Required?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Chain-of-Custody Present?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Performed By?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Chain-of-Custody Agrees with Sample Labels?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Ica Present in Shipping Container?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Chain-of-Custody Signed?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Container #	Temp.
Packing Present in Shipping Container?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<u>1</u>	<u>2°</u>
Type of Packing: <u>Bubble Wrap</u>			
Custody seals on Sample Bottles?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
Condition: Good _____ Broken _____			
Total Number of Sample Bottles: <u>6</u>			
Total Number of Samples: <u>4</u>			
Samples Intact?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
Sufficient Sample Volume for indicated test?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
		Project Manager Contacted?	
		Name: <u>Lisa</u>	
		Date Contacted: <u>09/12/06</u>	

Any NO response must be detailed in the comments section below. If items are not applicable to particular samples or contracts, they should be marked N/A.

COMMENTS: Client marked one of our Temperature Blanks as a trip blank. It has a quarter inch of air at the top and is not preserved. Per Client "The sample you received is for disposal profiling, the trip blank has no bearing anyway. Please delete it from the order."

Checklist Completed By: Chris Lyons

Date: 09/12/06

SOP No: F.2V15



## Shaw Environmental & Infrastructure, Inc.

### Data Usability Report

16406 U.S. Route 224 East • Findlay, Ohio 45840

Findlay Ohio Office – Federal Technical Services

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<b>PROJECT NUMBER:</b>	115215	<b>SAMPLE RECEIPT DATE:</b>	09/19/2006
<b>PROJECT MANAGER:</b>	Tom Mathison	<b>LABORATORY SDG:</b>	GPL-609092
<b>PROJECT NAME:</b>	USACE-Schenectady		

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The Findlay Ohio Applied Sciences Group has performed a QA evaluation of the data report from GPL Laboratories, LLLP, Frederick, MD. The results are for samples collected at the Former Schenectady Army Depot (AOC 2), Voorheesville Area, New York by on-site Shaw E & I personnel. The samples were analyzed for the parameters listed in the Sample Summary Table.

Sample Summary Table			
Sample Number	Collection Date	Matrix	Analysis Requested
EX-AOI5-001, EX-AOI5-002 EX-AOI5-003, EX-AOI5-004 EX-AOI5-005, EX-AOI5-006 EX-AOI5-007, EX-AOI5-008 EX-AOI5-009, EX-AOI5-010	09/18/2006	Soil	Target Metals SW-6010B/ 7471A SVOCs-SW8270C VOCs-SW8260B Pesticides-SW8081A

All samples were received at the laboratory intact and sample analyses were performed within the required holding times. The cooler was submitted with chain-of-custody forms and was received having a temperature of 2°C upon opening. The Trip Blank was written on the COC but not present in the cooler. The laboratory provided an electronic copy of the data within the specified turn around time. The following describes the overall QA/QC indicators.

#### VOC Analysis in Soil by 8260B

The GC/MS system was tuned and calibrated in accordance with method requirements. The integrity of the primary standards was validated through analysis of a second source standard. Calibration check samples verified instrument calibration and all analyses were performed within valid 12-hour tune clocks. The ISTD areas were within the required values for all analytical runs.

**Method Blanks:** The method blank results are below reporting limits for the target analytes in all analysis sets

**LCS:** The LCS recoveries are within acceptance criteria for the target analytes in all analysis sets.

**MS/MSD:** The QC Matrix recovery and precision performance, using sample EX-AOI5-001, is within acceptance limits for all compounds.

**Surrogates:** All surrogate recoveries are within acceptable criteria.

Reported results should be utilized with confidence. One sample EX-AOI-004, contained elevated concentrations of chloroform, requiring dilution. Data users should be cautioned to utilize the chloroform value from the diluted analysis (EX-AOI5-004DL).

#### **SVOC Analysis in Soil by 8270C**

The GC/MS system was tuned and calibrated in accordance with method requirements. The integrity of the primary standards was validated through analysis of a second source standard. Calibration check samples verified instrument calibration and all analyses were performed within valid 12-hour tune clocks. The ISTD areas were within the required values for all analytical runs.

**Method Blanks:** The method blank results are below reporting limits for the target analytes

**LCS:** The LCS recoveries are within acceptance criteria for the spiked analytes. The laboratory did not perform spiking for all analytes, using the method-specified short-list spiking solution

**MS/MSD:** The QC Matrix recovery and precision performance, using sample EX-AOI5-001 is within acceptance limits for all spiked compounds.

**Surrogates:** The recovery of the three lowest boiling point surrogates is slightly below the acceptance criteria in sample EX-AOI5-002. This may suggest loss of the lower-boiling analytes due to over-concentration. However, since the recoveries for all three are with five-percent of the low limit, the data has been accepted. All other surrogate recoveries are within acceptable criteria.

Reported results should be utilized with confidence.

#### **Pesticide Analysis in Soil by SW-8081A**

The GC system was calibrated for the target analytes and surrogate compounds in accordance with method requirements for both front and rear columns. The integrity of the primary standards was validated through analysis of a second source standard. Calibration check samples were high for some analytes. No analytes were detected in the samples. No qualification necessary.

**Method Blanks:** The method blank results are below reporting limits for the target analytes.

**LCS:** The LCS recoveries are within acceptance criteria for the target analytes.

**QC Matrix:** The MS/MSD recoveries, sample EX-AOI5-001, were within control limits for both precision and accuracy.

**Surrogates:** All surrogate recoveries are within acceptable criteria.

Reported results should be acted upon without reservation.



## Metals Analysis in Soil by SW6010B and SW7471A

The ICP and CVAA systems were calibrated for the target analytes in accordance with method requirements. All instrument interference check samples were within control limits. The initial and continuing calibration check samples were within control limits. The initial calibration blank results were below reporting limits.

**Method Blanks:** The method blank results are below reporting limits.

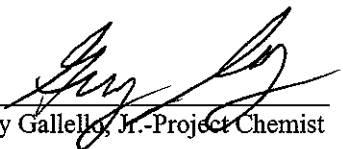
**LCS:** The LCS recoveries are within acceptance criteria for the target analytes.

**MS/MSD:** The MS/MSD recoveries and precision, sample EX-AOI5-001, are within acceptance limits for all analytes with native concentrations less than 4X the spike level. Three analytes (aluminum, calcium, and potassium) were present at large concentrations in the unspiked sample rendering the QC Matrix data invalid.

Reported results should be utilized with confidence

### Summary of Analysis

The overall Quality Control data provided in the laboratory report is representative of adequate method accuracy and precision with regard to project objectives. The reported data should be utilized, without reservation, in the intended project decision-making process.

  
Guy Gallella, Jr.-Project Chemist

11/10/2006  
Date

# Analytical Report For 609092

for

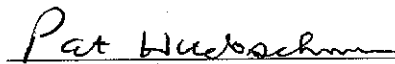
Shaw E&I, Inc

Project Manager: Guy Gallelo

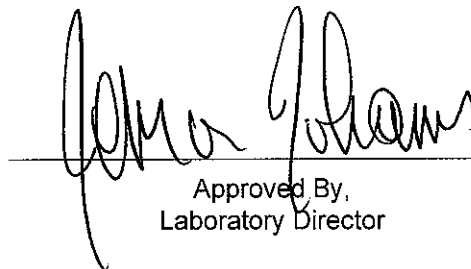
Project Name: **SAD-AOC2**

**GPL**  
**Laboratories**

GPL Laboratories, LLLP certifies that the test results meet all requirements of the NELAC Standards unless otherwise noted.



Reviewed By,  
Project Manager



Approved By,  
Laboratory Director



## Case Narrative

Shaw E&I, Inc

SAD-AOC2

Work Order: 609092

Reviewed by Patricia Huebschman on 10-10-2006

The Case Narrative, Chain of Custody, Sample Receipt Checklist, and the cover page of the Sample Analysis Report, are integral parts of GPL Laboratories' report package. If you did not receive all of these documents, please contact GPL immediately.

### **Sample Receipt**

Ten soil samples were received on 09/19/2006. The samples were delivered by UPS. Sample receipt conditions and temperatures are documented on the Sample Receipt checklist.

### **Sample Analysis**

Samples were prepared and analyzed by GPL using the analytical methodologies indicated on the Sample Analysis Summary Report. In some chromatographic analyses, manual integration is used instead of automated integration because it produces more accurate results. All manual integrations are denoted on the sample quantitation report. Analysis results and limits for soil are reported on a dry weight basis unless otherwise specified on the report.

### **Volatiles**

Ten soil samples were analyzed for volatile organic compounds using SW846 method 8260B.

The samples were analyzed within holding time.

All internal standard responses and surrogate recoveries were within the QC limits.

Matrix spike and matrix spike duplicate analyses were performed on sample EX-AOI5-001. Except for compounds 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, Styrene, and Total Xylenes, all spike recoveries and RPD's were within the QC limits.

Two laboratory control samples were analyzed along with the sample batches. All spike recoveries were within the QC limits.

Manual integration was performed on some peaks that were improperly integrated by the software. The manually integrated compounds are designated by an "m" next to the area of the quantitation report, and chromatograms for these compounds were submitted with the package.

### **Semivolatiles**

Ten soil samples were extracted using SW846 methods 3550B. These sample were analyzed for semi-volatile organic compounds using method 8270C.

All extraction and analysis holding times were met.

Nitrobenzene-d5, 2-Fluorophenol, Phenol-d5 and 2-Fluorobiphenyl surrogate recoveries, for sample EX-AO15-002, were slightly lower than the QC limits, the sample was re-injected as a corrective action with similar results and the re-injected sample is included in the package for documentation purposes.

The rest of the surrogate recoveries were within the QC limits.

A matrix spike and duplicate analyses were performed on sample EX-AO15-001. All spike recoveries were within the QC limits.

A laboratory control sample was extracted and analyzed with this batch. All spike recoveries were within the QC limits.

### **Pesticides**

Ten soil samples were extracted and analyzed for Pesticide compounds using the EPA method 8081A.

All surrogate recoveries were well within the QC limits.

A laboratory control sample was extracted and analyzed along with batch. All recoveries were within the QC limits

A matrix spike and matrix spike duplicate analyses were performed for sample EAO15-001. All other spike recoveries were well within the QC limits, except for heptachlor Epoxide. The recovery for this compound was lower than the QC limit.

Manual integration was performed on some peaks that were improperly integrated by the software. The manually integrated compounds are designated by an "m" next to the area of the quantitation report.

## Metals

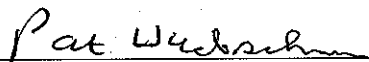
Ten soil samples were analyzed for HSL metals (except sodium) by EPA SW846 methods.

On form one, the software flags all results for specific elements with a B qualifier if they have a result above two times the MDL and less than ½ the reporting limit for a continuing calibration blank, initial calibration blank or interference check solution A.

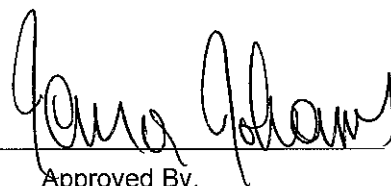
A matrix spike and matrix spike duplicate were performed on sample EX-AO15-001 for all required analytes. A serial dilution was also performed for ICP analytes. The matrix spike and matrix spike duplicate were outside of the control limits for antimony, barium and potassium; all associated data were flagged with an "N". A post digestion analytical spike was performed within 20% of the true value except barium. Post digestion analytical spike failed for barium. No control limits were applied to the matrix spike and matrix spike duplicate for aluminum, calcium, iron, magnesium, and manganese due to an insignificant spike addition. The RPD, for matrix spike recoveries, was outside of the control limits for calcium; all associated data were flagged with an "\*\*". The serial dilution was outside of the control limits for beryllium; all associated data were flagged with an "E".

Calibration standards are verified against independent check standards purchased from a commercial vendor of environmental standards.

All GPL QA/QC criteria were met with the exceptions of those mentioned above.



Reviewed By,  
Project Manager



Approved By,  
Laboratory Director

# GPL Laboratories, LLLP

## Sample Summary Report

Shaw E&I, Inc

Work Order: 609092

Client Sample ID	Lab Sample ID	Analytical Method	Matrix	Date Sampled	Date Recieved
EX-AOI5-001	609092-001-001-1/2	SW8260B	SOIL	09/18/2006	09/19/2006
	609092-001-014-1/2	SW8270C			
	609092-001-014-1/2	SW8081A			
	609092-001-012-1/2	SW6010B			
	609092-001-012-1/2	SW7471A			
	609092-001-013-2/2	CLP_SOLIDS			
EX-AOI5-002	609092-002-003-1/1	SW8260B	SOIL	09/18/2006	09/19/2006
	609092-002-025-1/1	SW8270C			
	609092-002-025-1/1	SW8081A			
	609092-002-016-1/1	SW6010B			
	609092-002-016-1/1	SW7471A			
	609092-002-016-1/1	CLP_SOLIDS			
EX-AOI5-003	609092-003-004-1/1	SW8260B	SOIL	09/18/2006	09/19/2006
	609092-003-026-1/1	SW8270C			
	609092-003-026-1/1	SW8081A			
	609092-003-017-1/1	SW6010B			
	609092-003-017-1/1	SW7471A			
	609092-003-017-1/1	CLP_SOLIDS			
EX-AOI5-004	609092-004-005-1/1	SW8260B	SOIL	09/18/2006	09/19/2006
	609092-004-027-1/1	SW8270C			
	609092-004-027-1/1	SW8081A			
	609092-004-018-1/1	SW6010B			
	609092-004-018-1/1	SW7471A			
	609092-004-018-1/1	CLP_SOLIDS			
EX-AOI5-004DL	609092-004-005-1/1DL	SW8260B	SOIL	09/18/2006	09/19/2006
EX-AOI5-005	609092-005-006-1/1	SW8260B	SOIL	09/18/2006	09/19/2006
	609092-005-028-1/1	SW8270C			
	609092-005-028-1/1	SW8081A			
	609092-005-019-1/1	SW6010B			
	609092-005-019-1/1	SW7471A			
	609092-005-019-1/1	CLP_SOLIDS			
EX-AOI5-006	609092-006-007-1/1	SW8260B	SOIL	09/18/2006	09/19/2006
	609092-006-029-1/1	SW8270C			

# GPL Laboratories, LLLP

## Sample Summary Report

Shaw E&I, Inc

Work Order: 609092

Client Sample ID	Lab Sample ID	Analytical Method	Matrix	Date Sampled	Date Recieved
	609092-006-029-1/1	SW8081A			
	609092-006-020-1/1	SW6010B			
	609092-006-020-1/1	SW7471A			
	609092-006-020-1/1	CLP_SOLIDS			
EX-AOI5-007	609092-007-008-1/1	SW8260B	SOIL	09/18/2006	09/19/2006
	609092-007-030-1/1	SW8270C			
	609092-007-030-1/1	SW8081A			
	609092-007-021-1/1	SW6010B			
	609092-007-021-1/1	SW7471A			
	609092-007-021-1/1	CLP_SOLIDS			
EX-AOI5-008	609092-008-009-1/1	SW8260B	SOIL	09/18/2006	09/19/2006
	609092-008-031-1/1	SW8270C			
	609092-008-031-1/1	SW8081A			
	609092-008-022-1/1	SW6010B			
	609092-008-022-1/1	SW7471A			
	609092-008-022-1/1	CLP_SOLIDS			
EX-AOI5-009	609092-009-010-1/1	SW8260B	SOIL	09/18/2006	09/19/2006
	609092-009-032-1/1	SW8270C			
	609092-009-032-1/1	SW8081A			
	609092-009-023-1/1	SW6010B			
	609092-009-023-1/1	SW7471A			
	609092-009-023-1/1	CLP_SOLIDS			
EX-AOI5-010	609092-010-011-1/1	SW8260B	SOIL	09/18/2006	09/19/2006
	609092-010-033-1/1	SW8270C			
	609092-010-033-1/1	SW8081A			
	609092-010-024-1/1	SW6010B			
	609092-010-024-1/1	SW7471A			
	609092-010-024-1/1	CLP_SOLIDS			

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-001	Lab Sample ID:	609092-001-001-1/2
Sample Date/Time:	09/18/2006 13:20	Percent Moisture:	15.22
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW5030B
Prepared Date/Time:	09/25/2006 08:22	Analytical Method:	SW8260B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	1,1,1-Trichloroethane	BQL	U	5.9	1	ug/kg	09/25/06 11:43
2)	1,1,2,2-Tetrachloroethane	BQL	U	5.9	1	ug/kg	09/25/06 11:43
3)	1,1,2-Trichloroethane	BQL	U	5.9	1	ug/kg	09/25/06 11:43
4)	1,1-Dichloroethane	BQL	U	5.9	1	ug/kg	09/25/06 11:43
5)	1,1-Dichloroethene	BQL	U	5.9	1	ug/kg	09/25/06 11:43
6)	1,2-Dichlorobenzene	BQL	U	5.9	1	ug/kg	09/25/06 11:43
7)	1,2-Dichloroethane	BQL	U	5.9	1	ug/kg	09/25/06 11:43
8)	1,3-Dichlorobenzene	BQL	U	5.9	1	ug/kg	09/25/06 11:43
9)	1,4-Dichlorobenzene	BQL	U	5.9	1	ug/kg	09/25/06 11:43
10)	2-Butanone	BQL	U	12	1	ug/kg	09/25/06 11:43
11)	4-Methyl-2-Pentanone	BQL	U	12	1	ug/kg	09/25/06 11:43
12)	Acetone	BQL	U	12	1	ug/kg	09/25/06 11:43
13)	Benzene	BQL	U	5.9	1	ug/kg	09/25/06 11:43
14)	Bromomethane	BQL	U	12	1	ug/kg	09/25/06 11:43
15)	Carbon Disulfide	BQL	U	5.9	1	ug/kg	09/25/06 11:43
16)	Carbon Tetrachloride	BQL	U	5.9	1	ug/kg	09/25/06 11:43
17)	Chlorobenzene	BQL	U	5.9	1	ug/kg	09/25/06 11:43
18)	Chloroethane	BQL	U	12	1	ug/kg	09/25/06 11:43
19)	Chloroform	BQL	U	5.9	1	ug/kg	09/25/06 11:43
20)	Chloromethane	BQL	U	12	1	ug/kg	09/25/06 11:43
21)	Dibromochloromethane	BQL	U	5.9	1	ug/kg	09/25/06 11:43
22)	Ethylbenzene	BQL	U	5.9	1	ug/kg	09/25/06 11:43
23)	Freon 113	BQL	U	5.9	1	ug/kg	09/25/06 11:43
24)	Methylene Chloride	BQL	U	12	1	ug/kg	09/25/06 11:43
25)	Styrene	BQL	U	5.9	1	ug/kg	09/25/06 11:43
26)	Tetrachloroethylene	BQL	U	5.9	1	ug/kg	09/25/06 11:43
27)	Toluene	BQL	U	5.9	1	ug/kg	09/25/06 11:43
28)	Trichloroethene	BQL	U	5.9	1	ug/kg	09/25/06 11:43

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-001	Lab Sample ID:	609092-001-001-1/2
Sample Date/Time:	09/18/2006 13:20	Percent Moisture:	15.22
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW5030B
Prepared Date/Time:	09/25/2006 08:22	Analytical Method:	SW8260B

29) Vinyl Chloride	BQL	U	12	1	ug/kg	09/25/06	11:43
30) Xylenes, Total	2.0	J	5.9	1	ug/kg	09/25/06	11:43
31) trans-1,2-dichloroethene	BQL	U	5.9	1	ug/kg	09/25/06	11:43

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
32) 1,2-Dichlorobenzene-d4	98 %	65 - 123	1	09/25/06 11:43
33) 1,2-Dichloroethane-d4	83 %	65 - 125	1	09/25/06 11:43
34) 4-Bromofluorobenzene	111 %	85 - 120	1	09/25/06 11:43
35) Toluene-D8	90 %	85 - 115	1	09/25/06 11:43



# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-001	Lab Sample ID:	609092-001-012-1/2
Sample Date/Time:	09/18/2006 13:20	Percent Moisture:	15.22
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3050B
Prepared Date/Time:	09/23/2006 00:00	Analytical Method:	SW6010B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	<b>Aluminum</b>	<b>15600</b>		<b>18.9</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 17:44</b>
2)	Antimony	0.33	JN	1.9	1	mg/kg	09/25/06 17:44
3)	<b>Arsenic</b>	<b>8.0</b>		<b>1.9</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 17:44</b>
4)	<b>Barium</b>	<b>71.7</b>	<b>N</b>	<b>0.47</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 17:44</b>
5)	<b>Beryllium</b>	<b>0.75</b>	<b>EB</b>	<b>0.19</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 17:44</b>
6)	Cadmium	0.39	JB	0.57	1	mg/kg	09/25/06 17:44
7)	<b>Calcium</b>	<b>13800</b>	<b>*</b>	<b>94.4</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 17:44</b>
8)	<b>Chromium</b>	<b>23.3</b>		<b>0.47</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 17:44</b>
9)	<b>Cobalt</b>	<b>14.2</b>	<b>B</b>	<b>0.47</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 17:44</b>
10)	<b>Copper</b>	<b>36.3</b>	<b>B</b>	<b>0.94</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 17:44</b>
11)	<b>Iron</b>	<b>33900</b>	<b>B</b>	<b>14.2</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 17:44</b>
12)	<b>Lead</b>	<b>19.9</b>		<b>0.94</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 17:44</b>
13)	<b>Magnesium</b>	<b>6660</b>	<b>B</b>	<b>23.6</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 17:44</b>
14)	<b>Manganese</b>	<b>659</b>	<b>B</b>	<b>0.47</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 17:44</b>
15)	<b>Nickel</b>	<b>30.6</b>		<b>0.94</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 17:44</b>
16)	<b>Potassium</b>	<b>1890</b>	<b>NB</b>	<b>23.6</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 17:44</b>
17)	Selenium	BQL	U	1.9	1	mg/kg	09/25/06 17:44
18)	Silver	BQL	U	0.47	1	mg/kg	09/25/06 17:44
19)	Thallium	0.98	J	2.8	1	mg/kg	09/25/06 17:44
20)	<b>Vanadium</b>	<b>28.2</b>	<b>B</b>	<b>0.94</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 17:44</b>
21)	<b>Zinc</b>	<b>87.3</b>		<b>1.9</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 17:44</b>

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-001	Lab Sample ID:	609092-001-012-1/2
Sample Date/Time:	09/18/2006 13:20	Percent Moisture:	15.22
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW7471_DIG
Prepared Date/Time:	09/22/2006 21:00	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Mercury	0.039		0.039	1	mg/kg	09/23/06 16:22

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-001	Lab Sample ID:	609092-001-013-2/2
Sample Date/Time:	09/18/2006 13:20	Percent Moisture:	15.22
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Percent Solids	85		1.0	1	%	09/22/06 15:27

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-001	Lab Sample ID:	609092-001-014-1/2
Sample Date/Time:	09/18/2006 13:20	Percent Moisture:	15.22
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 13:02	Analytical Method:	SW8270C

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	2,4,5-Trichlorophenol	BQL	U	390	1	ug/kg	09/25/06 11:05
2)	2,4-Dichlorophenol	BQL	U	390	1	ug/kg	09/25/06 11:05
3)	2,4-Dinitrophenol	BQL	U	790	1	ug/kg	09/25/06 11:05
4)	2,6-Dinitrotoluene	BQL	U	390	1	ug/kg	09/25/06 11:05
5)	2-Chlorophenol	BQL	U	390	1	ug/kg	09/25/06 11:05
6)	2-Methylnaphthalene	BQL	U	390	1	ug/kg	09/25/06 11:05
7)	2-Nitroaniline	BQL	U	390	1	ug/kg	09/25/06 11:05
8)	2-Nitrophenol	BQL	U	390	1	ug/kg	09/25/06 11:05
9)	2-methylphenol	BQL	U	390	1	ug/kg	09/25/06 11:05
10)	3,3-Dichlorobenzidine	BQL	U	790	1	ug/kg	09/25/06 11:05
11)	3-Nitroaniline	BQL	U	390	1	ug/kg	09/25/06 11:05
12)	4-Chloroaniline	BQL	U	390	1	ug/kg	09/25/06 11:05
13)	4-Nitroaniline	BQL	U	390	1	ug/kg	09/25/06 11:05
14)	4-Nitrophenol	BQL	U	790	1	ug/kg	09/25/06 11:05
15)	4-chloro-3-methylphenol	BQL	U	390	1	ug/kg	09/25/06 11:05
16)	4-methylphenol	BQL	U	390	1	ug/kg	09/25/06 11:05
17)	Acenaphthene	BQL	U	390	1	ug/kg	09/25/06 11:05
18)	Acenaphthylene	BQL	U	390	1	ug/kg	09/25/06 11:05
19)	Aniline (Phenylamine, Aminobenzene)	BQL	U	390	1	ug/kg	09/25/06 11:05
20)	Anthracene	BQL	U	390	1	ug/kg	09/25/06 11:05
21)	Benzo(a)anthracene	BQL	U	390	1	ug/kg	09/25/06 11:05
22)	Benzo(a)pyrene	BQL	U	390	1	ug/kg	09/25/06 11:05
23)	Benzo(b)fluoranthene	BQL	U	390	1	ug/kg	09/25/06 11:05
24)	Benzo(g,h,i)perylene	BQL	U	390	1	ug/kg	09/25/06 11:05
25)	Benzo(k)fluoranthene	BQL	U	390	1	ug/kg	09/25/06 11:05
26)	Benzoic Acid	BQL	U	790	1	ug/kg	09/25/06 11:05
27)	Benzyl Butyl Phthalate	BQL	U	390	1	ug/kg	09/25/06 11:05
28)	Chrysene	BQL	U	390	1	ug/kg	09/25/06 11:05

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-001	Lab Sample ID:	609092-001-014-1/2
Sample Date/Time:	09/18/2006 13:20	Percent Moisture:	15.22
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 13:02	Analytical Method:	SW8270C

29) Dibenz(a,h)Anthracene	BQL U	390	1	ug/kg	09/25/06	11:05
30) Dibenzofuran	BQL U	390	1	ug/kg	09/25/06	11:05
31) Diethyl Phthalate	BQL U	390	1	ug/kg	09/25/06	11:05
32) Dimethyl Phthalate	BQL U	390	1	ug/kg	09/25/06	11:05
33) Fluoranthene	BQL U	390	1	ug/kg	09/25/06	11:05
34) Fluorene	BQL U	390	1	ug/kg	09/25/06	11:05
35) Hexachlorobenzene	BQL U	390	1	ug/kg	09/25/06	11:05
36) Indeno(1,2,3-c,d)Pyrene	BQL U	390	1	ug/kg	09/25/06	11:05
37) Isophorone	BQL U	390	1	ug/kg	09/25/06	11:05
38) Naphthalene	BQL U	390	1	ug/kg	09/25/06	11:05
39) Nitrobenzene	BQL U	390	1	ug/kg	09/25/06	11:05
40) Pentachlorophenol	BQL U	790	1	ug/kg	09/25/06	11:05
41) Phenanthrene	BQL U	390	1	ug/kg	09/25/06	11:05
42) Phenol	BQL U	390	1	ug/kg	09/25/06	11:05
43) Pyrene	BQL U	390	1	ug/kg	09/25/06	11:05
44) bis(2-ethylhexyl) phthalate	BQL U	390	1	ug/kg	09/25/06	11:05
45) di-n-Butyl Phthalate	160 J	390	1	ug/kg	09/25/06	11:05
46) di-n-Octyl Phthalate	BQL U	390	1	ug/kg	09/25/06	11:05

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
47) 2,4,6-Tribromophenol	100 %	35 - 125	1	09/25/06 11:05
48) 2-Fluorobiphenyl	86 %	45 - 105	1	09/25/06 11:05
49) 2-Fluorophenol	75 %	35 - 105	1	09/25/06 11:05
50) Nitrobenzene-d5	77 %	35 - 100	1	09/25/06 11:05
51) Phenol-d5	75 %	40 - 100	1	09/25/06 11:05
52) p-Terphenyl-d14	120 %	30 - 125	1	09/25/06 11:05

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-001	Lab Sample ID:	609092-001-014-1/2
Sample Date/Time:	09/18/2006 13:20	Percent Moisture:	15.22
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 00:00	Analytical Method:	SW8081A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	4,4-DDD	3.2		2.0	1	ug/kg	09/25/06 07:15
2)	4,4-DDE	BQL	U	2.0	1	ug/kg	09/25/06 07:15
3)	4,4-DDT	0.52	J	2.0	1	ug/kg	09/25/06 07:15
4)	Aldrin	BQL	U	2.0	1	ug/kg	09/25/06 07:15
5)	Alpha-BHC	BQL	U	2.0	1	ug/kg	09/25/06 07:15
6)	Beta-BHC	BQL	U	2.0	1	ug/kg	09/25/06 07:15
7)	Chlordane	BQL	U	39	1	ug/kg	09/25/06 07:15
8)	Delta-BHC	BQL	U	2.0	1	ug/kg	09/25/06 07:15
9)	Dieldrin	BQL	U	2.0	1	ug/kg	09/25/06 07:15
10)	Endosulfan I	BQL	U	2.0	1	ug/kg	09/25/06 07:15
11)	Endosulfan II	BQL	U	2.0	1	ug/kg	09/25/06 07:15
12)	Endosulfan Sulfate	BQL	U	2.0	1	ug/kg	09/25/06 07:15
13)	Endrin	BQL	U	2.0	1	ug/kg	09/25/06 07:15
14)	Gamma-BHC (Lindane)	BQL	U	2.0	1	ug/kg	09/25/06 07:15
15)	Heptachlor	BQL	U	2.0	1	ug/kg	09/25/06 07:15
16)	Heptachlor Epoxide	BQL	U	2.0	1	ug/kg	09/25/06 07:15
17)	Methoxychlor	BQL	U	2.0	1	ug/kg	09/25/06 07:15

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
18)	Decachlorobiphenyl	86 %	36 - 120	1	09/25/06 07:15
19)	Decachlorobiphenyl	80 %	36 - 120	1	09/25/06 07:15
20)	Tetrachloro-m-xylene	77 %	36 - 120	1	09/25/06 07:15
21)	Tetrachloro-m-xylene	70 %	36 - 120	1	09/25/06 07:15

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-002	Lab Sample ID:	609092-002-003-1/1
Sample Date/Time:	09/18/2006 13:35	Percent Moisture:	8.41
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW5030B
Prepared Date/Time:	09/26/2006 09:00	Analytical Method:	SW8260B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	1,1,1-Trichloroethane	BQL	U	5.5	1	ug/kg	09/26/06 11:42
2)	1,1,2,2-Tetrachloroethane	BQL	U	5.5	1	ug/kg	09/26/06 11:42
3)	1,1,2-Trichloroethane	BQL	U	5.5	1	ug/kg	09/26/06 11:42
4)	1,1-Dichloroethane	BQL	U	5.5	1	ug/kg	09/26/06 11:42
5)	1,1-Dichloroethene	BQL	U	5.5	1	ug/kg	09/26/06 11:42
6)	1,2-Dichlorobenzene	BQL	U	5.5	1	ug/kg	09/26/06 11:42
7)	1,2-Dichloroethane	BQL	U	5.5	1	ug/kg	09/26/06 11:42
8)	1,3-Dichlorobenzene	BQL	U	5.5	1	ug/kg	09/26/06 11:42
9)	1,4-Dichlorobenzene	BQL	U	5.5	1	ug/kg	09/26/06 11:42
10)	2-Butanone	BQL	U	11	1	ug/kg	09/26/06 11:42
11)	4-Methyl-2-Pentanone	BQL	U	11	1	ug/kg	09/26/06 11:42
12)	Acetone	BQL	U	11	1	ug/kg	09/26/06 11:42
13)	Benzene	BQL	U	5.5	1	ug/kg	09/26/06 11:42
14)	Bromomethane	BQL	U	11	1	ug/kg	09/26/06 11:42
15)	Carbon Disulfide	BQL	U	5.5	1	ug/kg	09/26/06 11:42
16)	Carbon Tetrachloride	BQL	U	5.5	1	ug/kg	09/26/06 11:42
17)	Chlorobenzene	BQL	U	5.5	1	ug/kg	09/26/06 11:42
18)	Chloroethane	BQL	U	11	1	ug/kg	09/26/06 11:42
19)	Chloroform	3.5	J	5.5	1	ug/kg	09/26/06 11:42
20)	Chloromethane	BQL	U	11	1	ug/kg	09/26/06 11:42
21)	Dibromochloromethane	BQL	U	5.5	1	ug/kg	09/26/06 11:42
22)	Ethylbenzene	BQL	U	5.5	1	ug/kg	09/26/06 11:42
23)	Freon 113	BQL	U	5.5	1	ug/kg	09/26/06 11:42
24)	Methylene Chloride	BQL	U	11	1	ug/kg	09/26/06 11:42
25)	Styrene	BQL	U	5.5	1	ug/kg	09/26/06 11:42
26)	Tetrachloroethylene	BQL	U	5.5	1	ug/kg	09/26/06 11:42
27)	Toluene	BQL	U	5.5	1	ug/kg	09/26/06 11:42
28)	Trichloroethene	BQL	U	5.5	1	ug/kg	09/26/06 11:42

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-002	Lab Sample ID:	609092-002-003-1/1
Sample Date/Time:	09/18/2006 13:35	Percent Moisture:	8.41
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW5030B
Prepared Date/Time:	09/26/2006 09:00	Analytical Method:	SW8260B

29) Vinyl Chloride	BQL	U	11	1	ug/kg	09/26/06	11:42
30) Xylenes, Total	BQL	U	5.5	1	ug/kg	09/26/06	11:42
31) trans-1,2-dichloroethene	BQL	U	5.5	1	ug/kg	09/26/06	11:42

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
32) 1,2-Dichlorobenzene-d4	102 %	65 - 123	1	09/26/06 11:42
33) 1,2-Dichloroethane-d4	86 %	65 - 125	1	09/26/06 11:42
34) 4-Bromofluorobenzene	115 %	85 - 120	1	09/26/06 11:42
35) Toluene-D8	94 %	85 - 115	1	09/26/06 11:42



# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-002	Lab Sample ID:	609092-002-016-1/1
Sample Date/Time:	09/18/2006 13:35	Percent Moisture:	8.41
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3050B
Prepared Date/Time:	09/23/2006 00:00	Analytical Method:	SW6010B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	<b>Aluminum</b>	<b>14000</b>	<b>B</b>	<b>18</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:51</b>
2)	Antimony	0.31	JN	1.8	1	mg/kg	09/25/06	18:51
3)	<b>Arsenic</b>	<b>8.0</b>		<b>1.8</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:51</b>
4)	<b>Barium</b>	<b>92.7</b>	<b>N</b>	<b>0.45</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:51</b>
5)	<b>Beryllium</b>	<b>0.73</b>	<b>EB</b>	<b>0.18</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:51</b>
6)	Cadmium	0.35	JB	0.54	1	mg/kg	09/25/06	18:51
7)	<b>Calcium</b>	<b>49100</b>	<b>*</b>	<b>90.2</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:51</b>
8)	<b>Chromium</b>	<b>21.1</b>		<b>0.45</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:51</b>
9)	<b>Cobalt</b>	<b>13.4</b>	<b>B</b>	<b>0.45</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:51</b>
10)	<b>Copper</b>	<b>42.3</b>	<b>B</b>	<b>0.9</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:51</b>
11)	<b>Iron</b>	<b>29800</b>	<b>B</b>	<b>13.5</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:51</b>
12)	<b>Lead</b>	<b>13.2</b>		<b>0.9</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:51</b>
13)	<b>Magnesium</b>	<b>8150</b>	<b>B</b>	<b>22.6</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:51</b>
14)	<b>Manganese</b>	<b>860</b>	<b>B</b>	<b>0.45</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:51</b>
15)	<b>Nickel</b>	<b>34.8</b>		<b>0.9</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:51</b>
16)	<b>Potassium</b>	<b>2230</b>	<b>NB</b>	<b>22.6</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:51</b>
17)	Selenium	BQL	U	1.8	1	mg/kg	09/25/06	18:51
18)	Silver	BQL	U	0.45	1	mg/kg	09/25/06	18:51
19)	Thallium	0.86	J	2.7	1	mg/kg	09/25/06	18:51
20)	<b>Vanadium</b>	<b>24.2</b>	<b>B</b>	<b>0.9</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:51</b>
21)	<b>Zinc</b>	<b>78.0</b>		<b>1.8</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:51</b>

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-002	Lab Sample ID:	609092-002-016-1/1
Sample Date/Time:	09/18/2006 13:35	Percent Moisture:	8.41
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW7471_DIG
Prepared Date/Time:	09/22/2006 21:00	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Mercury	0.018	J	0.034	1	mg/kg	09/23/06 16:28

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-002	Lab Sample ID:	609092-002-016-1/1
Sample Date/Time:	09/18/2006 13:35	Percent Moisture:	8.41
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Percent Solids	92		1.0	1	%	09/22/06 15:27

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-002	Lab Sample ID:	609092-002-025-1/1
Sample Date/Time:	09/18/2006 13:35	Percent Moisture:	8.41
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 13:02	Analytical Method:	SW8270C

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	2,4,5-Trichlorophenol	BQL	U	360	1	ug/kg	09/25/06 13:13
2)	2,4-Dichlorophenol	BQL	U	360	1	ug/kg	09/25/06 13:13
3)	2,4-Dinitrophenol	BQL	U	730	1	ug/kg	09/25/06 13:13
4)	2,6-Dinitrotoluene	BQL	U	360	1	ug/kg	09/25/06 13:13
5)	2-Chlorophenol	BQL	U	360	1	ug/kg	09/25/06 13:13
6)	2-Methylnaphthalene	BQL	U	360	1	ug/kg	09/25/06 13:13
7)	2-Nitroaniline	BQL	U	360	1	ug/kg	09/25/06 13:13
8)	2-Nitrophenol	BQL	U	360	1	ug/kg	09/25/06 13:13
9)	2-methylphenol	BQL	U	360	1	ug/kg	09/25/06 13:13
10)	3,3-Dichlorobenzidine	BQL	U	730	1	ug/kg	09/25/06 13:13
11)	3-Nitroaniline	BQL	U	360	1	ug/kg	09/25/06 13:13
12)	4-Chloroaniline	BQL	U	360	1	ug/kg	09/25/06 13:13
13)	4-Nitroaniline	BQL	U	360	1	ug/kg	09/25/06 13:13
14)	4-Nitrophenol	BQL	U	730	1	ug/kg	09/25/06 13:13
15)	4-chloro-3-methylphenol	BQL	U	360	1	ug/kg	09/25/06 13:13
16)	4-methylphenol	BQL	U	360	1	ug/kg	09/25/06 13:13
17)	Acenaphthene	BQL	U	360	1	ug/kg	09/25/06 13:13
18)	Acenaphthylene	BQL	U	360	1	ug/kg	09/25/06 13:13
19)	Aniline (Phenylamine, Aminobenzene)	BQL	U	360	1	ug/kg	09/25/06 13:13
20)	Anthracene	BQL	U	360	1	ug/kg	09/25/06 13:13
21)	Benzo(a)anthracene	BQL	U	360	1	ug/kg	09/25/06 13:13
22)	Benzo(a)pyrene	BQL	U	360	1	ug/kg	09/25/06 13:13
23)	Benzo(b)fluoranthene	BQL	U	360	1	ug/kg	09/25/06 13:13
24)	Benzo(g,h,i)perylene	BQL	U	360	1	ug/kg	09/25/06 13:13
25)	Benzo(k)fluoranthene	BQL	U	360	1	ug/kg	09/25/06 13:13
26)	Benzoic Acid	BQL	U	730	1	ug/kg	09/25/06 13:13
27)	Benzyl Butyl Phthalate	BQL	U	360	1	ug/kg	09/25/06 13:13
28)	Chrysene	BQL	U	360	1	ug/kg	09/25/06 13:13

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-002	Lab Sample ID:	609092-002-025-1/1
Sample Date/Time:	09/18/2006 13:35	Percent Moisture:	8.41
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 13:02	Analytical Method:	SW8270C

29) Dibenz(a,h)Anthracene	BQL U	360	1	ug/kg	09/25/06	13:13
30) Dibenzofuran	BQL U	360	1	ug/kg	09/25/06	13:13
31) Diethyl Phthalate	BQL U	360	1	ug/kg	09/25/06	13:13
32) Dimethyl Phthalate	BQL U	360	1	ug/kg	09/25/06	13:13
33) Fluoranthene	BQL U	360	1	ug/kg	09/25/06	13:13
34) Fluorene	BQL U	360	1	ug/kg	09/25/06	13:13
35) Hexachlorobenzene	BQL U	360	1	ug/kg	09/25/06	13:13
36) Indeno(1,2,3-c,d)Pyrene	BQL U	360	1	ug/kg	09/25/06	13:13
37) Isophorone	BQL U	360	1	ug/kg	09/25/06	13:13
38) Naphthalene	BQL U	360	1	ug/kg	09/25/06	13:13
39) Nitrobenzene	BQL U	360	1	ug/kg	09/25/06	13:13
40) Pentachlorophenol	BQL U	730	1	ug/kg	09/25/06	13:13
41) Phenanthrene	BQL U	360	1	ug/kg	09/25/06	13:13
42) Phenol	BQL U	360	1	ug/kg	09/25/06	13:13
43) Pyrene	BQL U	360	1	ug/kg	09/25/06	13:13
44) bis(2-ethylhexyl) phthalate	BQL U	360	1	ug/kg	09/25/06	13:13
45) di-n-Butyl Phthalate	120 J	360	1	ug/kg	09/25/06	13:13
46) di-n-Octyl Phthalate	BQL U	360	1	ug/kg	09/25/06	13:13

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
47) 2,4,6-Tribromophenol	49 %	35 - 125	1	09/25/06 13:13
48) 2-Fluorobiphenyl	38 %	45 - 105	1	09/25/06 13:13
49) 2-Fluorophenol	31 %	35 - 105	1	09/25/06 13:13
50) Nitrobenzene-d5	32 %	35 - 100	1	09/25/06 13:13
51) Phenol-d5	33 %	40 - 100	1	09/25/06 13:13
52) p-Terphenyl-d14	59 %	30 - 125	1	09/25/06 13:13

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-002	Lab Sample ID:	609092-002-025-1/1
Sample Date/Time:	09/18/2006 13:35	Percent Moisture:	8.41
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 00:00	Analytical Method:	SW8081A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	4,4-DDD	BQL	U	1.8	1	ug/kg	09/25/06	01:47
2)	4,4-DDE	BQL	U	1.8	1	ug/kg	09/25/06	01:47
3)	4,4-DDT	BQL	U	1.8	1	ug/kg	09/25/06	01:47
4)	Aldrin	BQL	U	1.8	1	ug/kg	09/25/06	01:47
5)	Alpha-BHC	BQL	U	1.8	1	ug/kg	09/25/06	01:47
6)	Beta-BHC	BQL	U	1.8	1	ug/kg	09/25/06	01:47
7)	Chlordane	BQL	U	36	1	ug/kg	09/25/06	01:47
8)	Delta-BHC	BQL	U	1.8	1	ug/kg	09/25/06	01:47
9)	Dieldrin	BQL	U	1.8	1	ug/kg	09/25/06	01:47
10)	Endosulfan I	BQL	U	1.8	1	ug/kg	09/25/06	01:47
11)	Endosulfan II	BQL	U	1.8	1	ug/kg	09/25/06	01:47
12)	Endosulfan Sulfate	BQL	U	1.8	1	ug/kg	09/25/06	01:47
13)	Endrin	BQL	U	1.8	1	ug/kg	09/25/06	01:47
14)	Gamma-BHC (Lindane)	0.64	J	1.8	1	ug/kg	09/25/06	01:47
15)	Heptachlor	BQL	U	1.8	1	ug/kg	09/25/06	01:47
16)	Heptachlor Epoxide	BQL	U	1.8	1	ug/kg	09/25/06	01:47
17)	Methoxychlor	BQL	U	1.8	1	ug/kg	09/25/06	01:47

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
18)	Decachlorobiphenyl	89 %	36 - 120	1	09/25/06	01:47
19)	Decachlorobiphenyl	85 %	36 - 120	1	09/25/06	01:47
20)	Tetrachloro-m-xylene	77 %	36 - 120	1	09/25/06	01:47
21)	Tetrachloro-m-xylene	70 %	36 - 120	1	09/25/06	01:47

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-003	Lab Sample ID:	609092-003-004-1/1
Sample Date/Time:	09/18/2006 14:50	Percent Moisture:	13.35
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW5030B
Prepared Date/Time:	09/25/2006 08:22	Analytical Method:	SW8260B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	1,1,1-Trichloroethane	BQL	U	5.8	1	ug/kg	09/25/06 13:33
2)	1,1,2,2-Tetrachloroethane	BQL	U	5.8	1	ug/kg	09/25/06 13:33
3)	1,1,2-Trichloroethane	BQL	U	5.8	1	ug/kg	09/25/06 13:33
4)	1,1-Dichloroethane	BQL	U	5.8	1	ug/kg	09/25/06 13:33
5)	1,1-Dichloroethene	BQL	U	5.8	1	ug/kg	09/25/06 13:33
6)	1,2-Dichlorobenzene	BQL	U	5.8	1	ug/kg	09/25/06 13:33
7)	1,2-Dichloroethane	BQL	U	5.8	1	ug/kg	09/25/06 13:33
8)	1,3-Dichlorobenzene	BQL	U	5.8	1	ug/kg	09/25/06 13:33
9)	1,4-Dichlorobenzene	BQL	U	5.8	1	ug/kg	09/25/06 13:33
10)	2-Butanone	BQL	U	12	1	ug/kg	09/25/06 13:33
11)	4-Methyl-2-Pentanone	BQL	U	12	1	ug/kg	09/25/06 13:33
12)	Acetone	BQL	U	12	1	ug/kg	09/25/06 13:33
13)	Benzene	BQL	U	5.8	1	ug/kg	09/25/06 13:33
14)	Bromomethane	BQL	U	12	1	ug/kg	09/25/06 13:33
15)	Carbon Disulfide	BQL	U	5.8	1	ug/kg	09/25/06 13:33
16)	Carbon Tetrachloride	BQL	U	5.8	1	ug/kg	09/25/06 13:33
17)	Chlorobenzene	BQL	U	5.8	1	ug/kg	09/25/06 13:33
18)	Chloroethane	BQL	U	12	1	ug/kg	09/25/06 13:33
19)	<b>Chloroform</b>	<b>65</b>		<b>5.8</b>	<b>1</b>	<b>ug/kg</b>	<b>09/25/06 13:33</b>
20)	Chloromethane	BQL	U	12	1	ug/kg	09/25/06 13:33
21)	Dibromochloromethane	BQL	U	5.8	1	ug/kg	09/25/06 13:33
22)	Ethylbenzene	BQL	U	5.8	1	ug/kg	09/25/06 13:33
23)	Freon 113	BQL	U	5.8	1	ug/kg	09/25/06 13:33
24)	Methylene Chloride	BQL	U	12	1	ug/kg	09/25/06 13:33
25)	Styrene	BQL	U	5.8	1	ug/kg	09/25/06 13:33
26)	Tetrachloroethylene	BQL	U	5.8	1	ug/kg	09/25/06 13:33
27)	Toluene	BQL	U	5.8	1	ug/kg	09/25/06 13:33
28)	Trichloroethene	BQL	U	5.8	1	ug/kg	09/25/06 13:33

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-003	Lab Sample ID:	609092-003-004-1/1
Sample Date/Time:	09/18/2006 14:50	Percent Moisture:	13.35
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW5030B
Prepared Date/Time:	09/25/2006 08:22	Analytical Method:	SW8260B

29) Vinyl Chloride	BQL	U	12	1	ug/kg	09/25/06	13:33
30) Xylenes, Total	BQL	U	5.8	1	ug/kg	09/25/06	13:33
31) trans-1,2-dichloroethene	BQL	U	5.8	1	ug/kg	09/25/06	13:33

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
32) 1,2-Dichlorobenzene-d4	99 %	65 - 123	1	09/25/06 13:33
33) 1,2-Dichloroethane-d4	85 %	65 - 125	1	09/25/06 13:33
34) 4-Bromofluorobenzene	109 %	85 - 120	1	09/25/06 13:33
35) Toluene-D8	91 %	85 - 115	1	09/25/06 13:33



# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-003	Lab Sample ID:	609092-003-017-1/1
Sample Date/Time:	09/18/2006 14:50	Percent Moisture:	13.35
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3050B
Prepared Date/Time:	09/23/2006 00:00	Analytical Method:	SW6010B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	<b>Aluminum</b>	<b>15300</b>	<b>B</b>	<b>19.2</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:59</b>
2)	Antimony	0.51	JN	1.9	1	mg/kg	09/25/06	18:59
3)	<b>Arsenic</b>	<b>6.9</b>		<b>1.9</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:59</b>
4)	<b>Barium</b>	<b>61.8</b>	<b>N</b>	<b>0.48</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:59</b>
5)	<b>Beryllium</b>	<b>0.77</b>	<b>EB</b>	<b>0.19</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:59</b>
6)	Cadmium	0.30	JB	0.58	1	mg/kg	09/25/06	18:59
7)	<b>Calcium</b>	<b>20700</b>	<b>*</b>	<b>96.2</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:59</b>
8)	<b>Chromium</b>	<b>24.0</b>		<b>0.48</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:59</b>
9)	<b>Cobalt</b>	<b>13.7</b>	<b>B</b>	<b>0.48</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:59</b>
10)	<b>Copper</b>	<b>38.6</b>	<b>B</b>	<b>0.96</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:59</b>
11)	<b>Iron</b>	<b>32900</b>	<b>B</b>	<b>14.4</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:59</b>
12)	<b>Lead</b>	<b>16.5</b>		<b>0.96</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:59</b>
13)	<b>Magnesium</b>	<b>9090</b>	<b>B</b>	<b>24</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:59</b>
14)	<b>Manganese</b>	<b>492</b>	<b>B</b>	<b>0.48</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:59</b>
15)	<b>Nickel</b>	<b>33.8</b>		<b>0.96</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:59</b>
16)	<b>Potassium</b>	<b>2300</b>	<b>NB</b>	<b>24</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:59</b>
17)	Selenium	BQL	U	1.9	1	mg/kg	09/25/06	18:59
18)	Silver	BQL	U	0.48	1	mg/kg	09/25/06	18:59
19)	Thallium	1.3	J	2.9	1	mg/kg	09/25/06	18:59
20)	<b>Vanadium</b>	<b>26.8</b>	<b>B</b>	<b>0.96</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:59</b>
21)	<b>Zinc</b>	<b>85.3</b>		<b>1.9</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>18:59</b>

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-003	Lab Sample ID:	609092-003-017-1/1
Sample Date/Time:	09/18/2006 14:50	Percent Moisture:	13.35
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW7471_DIG
Prepared Date/Time:	09/22/2006 21:00	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Mercury	0.037	J	0.038	1	mg/kg	09/23/06 16:31

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-003	Lab Sample ID:	609092-003-017-1/1
Sample Date/Time:	09/18/2006 14:50	Percent Moisture:	13.35
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Percent Solids	87		1.0	1	%	09/22/06 15:27

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-003	Lab Sample ID:	609092-003-026-1/1
Sample Date/Time:	09/18/2006 14:50	Percent Moisture:	13.35
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 13:02	Analytical Method:	SW8270C

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	2,4,5-Trichlorophenol	BQL	U	390	1	ug/kg	09/25/06 17:32
2)	2,4-Dichlorophenol	BQL	U	390	1	ug/kg	09/25/06 17:32
3)	2,4-Dinitrophenol	BQL	U	770	1	ug/kg	09/25/06 17:32
4)	2,6-Dinitrotoluene	BQL	U	390	1	ug/kg	09/25/06 17:32
5)	2-Chlorophenol	BQL	U	390	1	ug/kg	09/25/06 17:32
6)	2-Methylnaphthalene	BQL	U	390	1	ug/kg	09/25/06 17:32
7)	2-Nitroaniline	BQL	U	390	1	ug/kg	09/25/06 17:32
8)	2-Nitrophenol	BQL	U	390	1	ug/kg	09/25/06 17:32
9)	2-methylphenol	BQL	U	390	1	ug/kg	09/25/06 17:32
10)	3,3-Dichlorobenzidine	BQL	U	770	1	ug/kg	09/25/06 17:32
11)	3-Nitroaniline	BQL	U	390	1	ug/kg	09/25/06 17:32
12)	4-Chloroaniline	BQL	U	390	1	ug/kg	09/25/06 17:32
13)	4-Nitroaniline	BQL	U	390	1	ug/kg	09/25/06 17:32
14)	4-Nitrophenol	BQL	U	770	1	ug/kg	09/25/06 17:32
15)	4-chloro-3-methylphenol	BQL	U	390	1	ug/kg	09/25/06 17:32
16)	4-methylphenol	BQL	U	390	1	ug/kg	09/25/06 17:32
17)	Acenaphthene	BQL	U	390	1	ug/kg	09/25/06 17:32
18)	Acenaphthylene	BQL	U	390	1	ug/kg	09/25/06 17:32
19)	Aniline (Phenylamine, Aminobenzene)	BQL	U	390	1	ug/kg	09/25/06 17:32
20)	Anthracene	BQL	U	390	1	ug/kg	09/25/06 17:32
21)	Benzo(a)anthracene	BQL	U	390	1	ug/kg	09/25/06 17:32
22)	Benzo(a)pyrene	BQL	U	390	1	ug/kg	09/25/06 17:32
23)	Benzo(b)fluoranthene	BQL	U	390	1	ug/kg	09/25/06 17:32
24)	Benzo(g,h,i)perylene	BQL	U	390	1	ug/kg	09/25/06 17:32
25)	Benzo(k)fluoranthene	BQL	U	390	1	ug/kg	09/25/06 17:32
26)	Benzoic Acid	BQL	U	770	1	ug/kg	09/25/06 17:32
27)	Benzyl Butyl Phthalate	BQL	U	390	1	ug/kg	09/25/06 17:32
28)	Chrysene	BQL	U	390	1	ug/kg	09/25/06 17:32

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-003	Lab Sample ID:	609092-003-026-1/1
Sample Date/Time:	09/18/2006 14:50	Percent Moisture:	13.35
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 13:02	Analytical Method:	SW8270C

29) Dibenz(a,h)Anthracene	BQL	U	390	1	ug/kg	09/25/06	17:32
30) Dibenzofuran	BQL	U	390	1	ug/kg	09/25/06	17:32
31) Diethyl Phthalate	BQL	U	390	1	ug/kg	09/25/06	17:32
32) Dimethyl Phthalate	BQL	U	390	1	ug/kg	09/25/06	17:32
33) Fluoranthene	BQL	U	390	1	ug/kg	09/25/06	17:32
34) Fluorene	BQL	U	390	1	ug/kg	09/25/06	17:32
35) Hexachlorobenzene	BQL	U	390	1	ug/kg	09/25/06	17:32
36) Indeno(1,2,3-c,d)Pyrene	BQL	U	390	1	ug/kg	09/25/06	17:32
37) Isophorone	BQL	U	390	1	ug/kg	09/25/06	17:32
38) Naphthalene	BQL	U	390	1	ug/kg	09/25/06	17:32
39) Nitrobenzene	BQL	U	390	1	ug/kg	09/25/06	17:32
40) Pentachlorophenol	BQL	U	770	1	ug/kg	09/25/06	17:32
41) Phenanthrene	BQL	U	390	1	ug/kg	09/25/06	17:32
42) Phenol	BQL	U	390	1	ug/kg	09/25/06	17:32
43) Pyrene	BQL	U	390	1	ug/kg	09/25/06	17:32
44) bis(2-ethylhexyl) phthalate	BQL	U	390	1	ug/kg	09/25/06	17:32
45) di-n-Butyl Phthalate	160	J	390	1	ug/kg	09/25/06	17:32
46) di-n-Octyl Phthalate	BQL	U	390	1	ug/kg	09/25/06	17:32

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
47) 2,4,6-Tribromophenol	96 %	35 - 125	1	09/25/06 17:32
48) 2-Fluorobiphenyl	89 %	45 - 105	1	09/25/06 17:32
49) 2-Fluorophenol	73 %	35 - 105	1	09/25/06 17:32
50) Nitrobenzene-d5	77 %	35 - 100	1	09/25/06 17:32
51) Phenol-d5	71 %	40 - 100	1	09/25/06 17:32
52) p-Terphenyl-d14	112 %	30 - 125	1	09/25/06 17:32

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-003	Lab Sample ID:	609092-003-026-1/1
Sample Date/Time:	09/18/2006 14:50	Percent Moisture:	13.35
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 00:00	Analytical Method:	SW8081A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	<b>4,4-DDD</b>	<b>12</b>	<b>P</b>	<b>1.9</b>	<b>1</b>	<b>ug/kg</b>	<b>09/25/06</b>	<b>02:17</b>
2)	4,4-DDE	BQL	U	1.9	1	ug/kg	09/25/06	02:17
3)	<b>4,4-DDT</b>	<b>34</b>	<b>P</b>	<b>1.9</b>	<b>1</b>	<b>ug/kg</b>	<b>09/25/06</b>	<b>02:17</b>
4)	Aldrin	BQL	U	1.9	1	ug/kg	09/25/06	02:17
5)	Alpha-BHC	BQL	U	1.9	1	ug/kg	09/25/06	02:17
6)	Beta-BHC	BQL	U	1.9	1	ug/kg	09/25/06	02:17
7)	Chlordane	BQL	U	38	1	ug/kg	09/25/06	02:17
8)	Delta-BHC	BQL	U	1.9	1	ug/kg	09/25/06	02:17
9)	<b>Dieldrin</b>	<b>14</b>	<b>P</b>	<b>1.9</b>	<b>1</b>	<b>ug/kg</b>	<b>09/25/06</b>	<b>02:17</b>
10)	Endosulfan I	BQL	U	1.9	1	ug/kg	09/25/06	02:17
11)	Endosulfan II	BQL	U	1.9	1	ug/kg	09/25/06	02:17
12)	Endosulfan Sulfate	BQL	U	1.9	1	ug/kg	09/25/06	02:17
13)	Endrin	BQL	U	1.9	1	ug/kg	09/25/06	02:17
14)	Gamma-BHC (Lindane)	BQL	U	1.9	1	ug/kg	09/25/06	02:17
15)	Heptachlor	BQL	U	1.9	1	ug/kg	09/25/06	02:17
16)	Heptachlor Epoxide	BQL	U	1.9	1	ug/kg	09/25/06	02:17
17)	<b>Methoxychlor</b>	<b>7.9</b>	<b>P</b>	<b>1.9</b>	<b>1</b>	<b>ug/kg</b>	<b>09/25/06</b>	<b>02:17</b>

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
18)	Decachlorobiphenyl	93 %	36 - 120	1	09/25/06	02:17
19)	Decachlorobiphenyl	98 %	36 - 120	1	09/25/06	02:17
20)	Tetrachloro-m-xylene	88 %	36 - 120	1	09/25/06	02:17
21)	Tetrachloro-m-xylene	91 %	36 - 120	1	09/25/06	02:17

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-004	Lab Sample ID:	609092-004-005-1/1
Sample Date/Time:	09/18/2006 16:05	Percent Moisture:	11.78
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW5030B
Prepared Date/Time:	09/25/2006 08:22	Analytical Method:	SW8260B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	1,1,1-Trichloroethane	BQL	U	5.7	1	ug/kg	09/25/06 14:09
2)	1,1,2,2-Tetrachloroethane	BQL	U	5.7	1	ug/kg	09/25/06 14:09
3)	1,1,2-Trichloroethane	BQL	U	5.7	1	ug/kg	09/25/06 14:09
4)	1,1-Dichloroethane	BQL	U	5.7	1	ug/kg	09/25/06 14:09
5)	1,1-Dichloroethene	BQL	U	5.7	1	ug/kg	09/25/06 14:09
6)	1,2-Dichlorobenzene	BQL	U	5.7	1	ug/kg	09/25/06 14:09
7)	1,2-Dichloroethane	BQL	U	5.7	1	ug/kg	09/25/06 14:09
8)	1,3-Dichlorobenzene	BQL	U	5.7	1	ug/kg	09/25/06 14:09
9)	1,4-Dichlorobenzene	BQL	U	5.7	1	ug/kg	09/25/06 14:09
10)	2-Butanone	BQL	U	11	1	ug/kg	09/25/06 14:09
11)	4-Methyl-2-Pentanone	BQL	U	11	1	ug/kg	09/25/06 14:09
12)	Acetone	BQL	U	11	1	ug/kg	09/25/06 14:09
13)	Benzene	BQL	U	5.7	1	ug/kg	09/25/06 14:09
14)	Bromomethane	BQL	U	11	1	ug/kg	09/25/06 14:09
15)	Carbon Disulfide	BQL	U	5.7	1	ug/kg	09/25/06 14:09
16)	Carbon Tetrachloride	BQL	U	5.7	1	ug/kg	09/25/06 14:09
17)	Chlorobenzene	BQL	U	5.7	1	ug/kg	09/25/06 14:09
18)	Chloroethane	BQL	U	11	1	ug/kg	09/25/06 14:09
19)	<b>Chloroform</b>	<b>320</b>	<b>E</b>	<b>5.7</b>	<b>1</b>	<b>ug/kg</b>	<b>09/25/06 14:09</b>
20)	Chloromethane	BQL	U	11	1	ug/kg	09/25/06 14:09
21)	Dibromochloromethane	BQL	U	5.7	1	ug/kg	09/25/06 14:09
22)	Ethylbenzene	BQL	U	5.7	1	ug/kg	09/25/06 14:09
23)	Freon 113	BQL	U	5.7	1	ug/kg	09/25/06 14:09
24)	Methylene Chloride	BQL	U	11	1	ug/kg	09/25/06 14:09
25)	Styrene	BQL	U	5.7	1	ug/kg	09/25/06 14:09
26)	Tetrachloroethylene	BQL	U	5.7	1	ug/kg	09/25/06 14:09
27)	Toluene	BQL	U	5.7	1	ug/kg	09/25/06 14:09
28)	Trichloroethene	BQL	U	5.7	1	ug/kg	09/25/06 14:09

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-004	Lab Sample ID:	609092-004-005-1/1
Sample Date/Time:	09/18/2006 16:05	Percent Moisture:	11.78
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW5030B
Prepared Date/Time:	09/25/2006 08:22	Analytical Method:	SW8260B

29) Vinyl Chloride	BQL U	11	1	ug/kg	09/25/06	14:09
30) Xylenes, Total	BQL U	5.7	1	ug/kg	09/25/06	14:09
31) trans-1,2-dichloroethene	BQL U	5.7	1	ug/kg	09/25/06	14:09

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
32)	1,2-Dichlorobenzene-d4	106 %	65 - 123	1	09/25/06 14:09
33)	1,2-Dichloroethane-d4	89 %	65 - 125	1	09/25/06 14:09
34)	4-Bromofluorobenzene	112 %	85 - 120	1	09/25/06 14:09
35)	Toluene-D8	93 %	85 - 115	1	09/25/06 14:09



# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-004DL	Lab Sample ID:	609092-004-005-1/1DL
Sample Date/Time:	09/18/2006 16:05	Percent Moisture:	11.78
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW5030B
Prepared Date/Time:	09/26/2006 09:00	Analytical Method:	SW8260B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	1,1,1-Trichloroethane	BQL	U	28	5	ug/kg	09/26/06 11:05
2)	1,1,2,2-Tetrachloroethane	BQL	U	28	5	ug/kg	09/26/06 11:05
3)	1,1,2-Trichloroethane	BQL	U	28	5	ug/kg	09/26/06 11:05
4)	1,1-Dichloroethane	BQL	U	28	5	ug/kg	09/26/06 11:05
5)	1,1-Dichloroethene	BQL	U	28	5	ug/kg	09/26/06 11:05
6)	1,2-Dichlorobenzene	BQL	U	28	5	ug/kg	09/26/06 11:05
7)	1,2-Dichloroethane	BQL	U	28	5	ug/kg	09/26/06 11:05
8)	1,3-Dichlorobenzene	BQL	U	28	5	ug/kg	09/26/06 11:05
9)	1,4-Dichlorobenzene	BQL	U	28	5	ug/kg	09/26/06 11:05
10)	2-Butanone	BQL	U	57	5	ug/kg	09/26/06 11:05
11)	4-Methyl-2-Pentanone	BQL	U	57	5	ug/kg	09/26/06 11:05
12)	Acetone	BQL	U	57	5	ug/kg	09/26/06 11:05
13)	Benzene	BQL	U	28	5	ug/kg	09/26/06 11:05
14)	Bromomethane	BQL	U	57	5	ug/kg	09/26/06 11:05
15)	Carbon Disulfide	BQL	U	28	5	ug/kg	09/26/06 11:05
16)	Carbon Tetrachloride	BQL	U	28	5	ug/kg	09/26/06 11:05
17)	Chlorobenzene	BQL	U	28	5	ug/kg	09/26/06 11:05
18)	Chloroethane	BQL	U	57	5	ug/kg	09/26/06 11:05
19)	<b>Chloroform</b>	<b>380</b>		<b>28</b>	<b>5</b>	<b>ug/kg</b>	<b>09/26/06 11:05</b>
20)	Chloromethane	BQL	U	57	5	ug/kg	09/26/06 11:05
21)	Dibromochloromethane	BQL	U	28	5	ug/kg	09/26/06 11:05
22)	Ethylbenzene	BQL	U	28	5	ug/kg	09/26/06 11:05
23)	Freon 113	BQL	U	28	5	ug/kg	09/26/06 11:05
24)	Methylene Chloride	BQL	U	57	5	ug/kg	09/26/06 11:05
25)	Styrene	BQL	U	28	5	ug/kg	09/26/06 11:05
26)	Tetrachloroethylene	BQL	U	28	5	ug/kg	09/26/06 11:05
27)	Toluene	BQL	U	28	5	ug/kg	09/26/06 11:05
28)	Trichloroethene	BQL	U	28	5	ug/kg	09/26/06 11:05

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-004DL	Lab Sample ID:	609092-004-005-1/1DL
Sample Date/Time:	09/18/2006 16:05	Percent Moisture:	11.78
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW5030B
Prepared Date/Time:	09/26/2006 09:00	Analytical Method:	SW8260B

29) Vinyl Chloride	BQL U	57	5	ug/kg	09/26/06	11:05
30) Xylenes, Total	BQL U	28	5	ug/kg	09/26/06	11:05
31) trans-1,2-dichloroethene	BQL U	28	5	ug/kg	09/26/06	11:05

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
32)	1,2-Dichlorobenzene-d4	101 %	65 - 123	5	09/26/06 11:05
33)	1,2-Dichloroethane-d4	83 %	65 - 125	5	09/26/06 11:05
34)	4-Bromofluorobenzene	110 %	85 - 120	5	09/26/06 11:05
35)	Toluene-D8	92 %	85 - 115	5	09/26/06 11:05

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-004	Lab Sample ID:	609092-004-018-1/1
Sample Date/Time:	09/18/2006 16:05	Percent Moisture:	11.78
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3050B
Prepared Date/Time:	09/23/2006 00:00	Analytical Method:	SW6010B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Aluminum	16500	B	18.4	1	mg/kg	09/25/06 19:07
2)	Antimony	BQL	UN	1.8	1	mg/kg	09/25/06 19:07
3)	Arsenic	9.4		1.8	1	mg/kg	09/25/06 19:07
4)	Barium	81.5	N	0.46	1	mg/kg	09/25/06 19:07
5)	Beryllium	0.87	EB	0.18	1	mg/kg	09/25/06 19:07
6)	Cadmium	0.18	JB	0.55	1	mg/kg	09/25/06 19:07
7)	Calcium	8330	*	92.2	1	mg/kg	09/25/06 19:07
8)	Chromium	26.4		0.46	1	mg/kg	09/25/06 19:07
9)	Cobalt	15.7	B	0.46	1	mg/kg	09/25/06 19:07
10)	Copper	45.2	B	0.92	1	mg/kg	09/25/06 19:07
11)	Iron	36300	B	13.8	1	mg/kg	09/25/06 19:07
12)	Lead	23.0		0.92	1	mg/kg	09/25/06 19:07
13)	Magnesium	7920	B	23	1	mg/kg	09/25/06 19:07
14)	Manganese	703	B	0.46	1	mg/kg	09/25/06 19:07
15)	Nickel	36.8		0.92	1	mg/kg	09/25/06 19:07
16)	Potassium	2040	NB	23	1	mg/kg	09/25/06 19:07
17)	Selenium	BQL	U	1.8	1	mg/kg	09/25/06 19:07
18)	Silver	BQL	U	0.46	1	mg/kg	09/25/06 19:07
19)	Thallium	1.7	J	2.8	1	mg/kg	09/25/06 19:07
20)	Vanadium	28.5	B	0.92	1	mg/kg	09/25/06 19:07
21)	Zinc	95.6		1.8	1	mg/kg	09/25/06 19:07

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-004	Lab Sample ID:	609092-004-018-1/1
Sample Date/Time:	09/18/2006 16:05	Percent Moisture:	11.78
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW7471_DIG
Prepared Date/Time:	09/22/2006 21:00	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Mercury	0.039		0.036	1	mg/kg	09/23/06 16:33

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-004	Lab Sample ID:	609092-004-018-1/1
Sample Date/Time:	09/18/2006 16:05	Percent Moisture:	11.78
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Percent Solids	88		1.0	1	%	09/22/06 15:27

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-004	Lab Sample ID:	609092-004-027-1/1
Sample Date/Time:	09/18/2006 16:05	Percent Moisture:	11.78
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 13:02	Analytical Method:	SW8270C

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	2,4,5-Trichlorophenol	BQL	U	380	1	ug/kg	09/25/06 18:16
2)	2,4-Dichlorophenol	BQL	U	380	1	ug/kg	09/25/06 18:16
3)	2,4-Dinitrophenol	BQL	U	760	1	ug/kg	09/25/06 18:16
4)	2,6-Dinitrotoluene	BQL	U	380	1	ug/kg	09/25/06 18:16
5)	2-Chlorophenol	BQL	U	380	1	ug/kg	09/25/06 18:16
6)	2-Methylnaphthalene	BQL	U	380	1	ug/kg	09/25/06 18:16
7)	2-Nitroaniline	BQL	U	380	1	ug/kg	09/25/06 18:16
8)	2-Nitrophenol	BQL	U	380	1	ug/kg	09/25/06 18:16
9)	2-methylphenol	BQL	U	380	1	ug/kg	09/25/06 18:16
10)	3,3-Dichlorobenzidine	BQL	U	760	1	ug/kg	09/25/06 18:16
11)	3-Nitroaniline	BQL	U	380	1	ug/kg	09/25/06 18:16
12)	4-Chloroaniline	BQL	U	380	1	ug/kg	09/25/06 18:16
13)	4-Nitroaniline	BQL	U	380	1	ug/kg	09/25/06 18:16
14)	4-Nitrophenol	BQL	U	760	1	ug/kg	09/25/06 18:16
15)	4-chloro-3-methylphenol	BQL	U	380	1	ug/kg	09/25/06 18:16
16)	4-methylphenol	BQL	U	380	1	ug/kg	09/25/06 18:16
17)	Acenaphthene	BQL	U	380	1	ug/kg	09/25/06 18:16
18)	Acenaphthylene	BQL	U	380	1	ug/kg	09/25/06 18:16
19)	Aniline (Phenylamine, Aminobenzene)	BQL	U	380	1	ug/kg	09/25/06 18:16
20)	Anthracene	BQL	U	380	1	ug/kg	09/25/06 18:16
21)	Benzo(a)anthracene	BQL	U	380	1	ug/kg	09/25/06 18:16
22)	Benzo(a)pyrene	BQL	U	380	1	ug/kg	09/25/06 18:16
23)	Benzo(b)fluoranthene	BQL	U	380	1	ug/kg	09/25/06 18:16
24)	Benzo(g,h,i)perylene	BQL	U	380	1	ug/kg	09/25/06 18:16
25)	Benzo(k)fluoranthene	BQL	U	380	1	ug/kg	09/25/06 18:16
26)	Benzoic Acid	BQL	U	760	1	ug/kg	09/25/06 18:16
27)	Benzyl Butyl Phthalate	BQL	U	380	1	ug/kg	09/25/06 18:16
28)	Chrysene	BQL	U	380	1	ug/kg	09/25/06 18:16

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-004	Lab Sample ID:	609092-004-027-1/1
Sample Date/Time:	09/18/2006 16:05	Percent Moisture:	11.78
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 13:02	Analytical Method:	SW8270C

29) Dibenz(a,h)Anthracene	BQL U	380	1	ug/kg	09/25/06	18:16
30) Dibenzofuran	BQL U	380	1	ug/kg	09/25/06	18:16
31) Diethyl Phthalate	BQL U	380	1	ug/kg	09/25/06	18:16
32) Dimethyl Phthalate	BQL U	380	1	ug/kg	09/25/06	18:16
33) Fluoranthene	BQL U	380	1	ug/kg	09/25/06	18:16
34) Fluorene	BQL U	380	1	ug/kg	09/25/06	18:16
35) Hexachlorobenzene	BQL U	380	1	ug/kg	09/25/06	18:16
36) Indeno(1,2,3-c,d)Pyrene	BQL U	380	1	ug/kg	09/25/06	18:16
37) Isophorone	BQL U	380	1	ug/kg	09/25/06	18:16
38) Naphthalene	BQL U	380	1	ug/kg	09/25/06	18:16
39) Nitrobenzene	BQL U	380	1	ug/kg	09/25/06	18:16
40) Pentachlorophenol	BQL U	760	1	ug/kg	09/25/06	18:16
41) Phenanthrene	BQL U	380	1	ug/kg	09/25/06	18:16
42) Phenol	BQL U	380	1	ug/kg	09/25/06	18:16
43) Pyrene	BQL U	380	1	ug/kg	09/25/06	18:16
44) bis(2-ethylhexyl) phthalate	BQL U	380	1	ug/kg	09/25/06	18:16
45) di-n-Butyl Phthalate	170 J	380	1	ug/kg	09/25/06	18:16
46) di-n-Octyl Phthalate	BQL U	380	1	ug/kg	09/25/06	18:16

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
47)	2,4,6-Tribromophenol	90 %	35 - 125	1	09/25/06 18:16
48)	2-Fluorobiphenyl	74 %	45 - 105	1	09/25/06 18:16
49)	2-Fluorophenol	65 %	35 - 105	1	09/25/06 18:16
50)	Nitrobenzene-d5	67 %	35 - 100	1	09/25/06 18:16
51)	Phenol-d5	66 %	40 - 100	1	09/25/06 18:16
52)	p-Terphenyl-d14	96 %	30 - 125	1	09/25/06 18:16

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-004	Lab Sample ID:	609092-004-027-1/1
Sample Date/Time:	09/18/2006 16:05	Percent Moisture:	11.78
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 00:00	Analytical Method:	SW8081A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	4,4-DDD	BQL	U	1.9	1	ug/kg	09/25/06	02:47
2)	4,4-DDE	BQL	U	1.9	1	ug/kg	09/25/06	02:47
3)	4,4-DDT	BQL	U	1.9	1	ug/kg	09/25/06	02:47
4)	Aldrin	BQL	U	1.9	1	ug/kg	09/25/06	02:47
5)	Alpha-BHC	BQL	U	1.9	1	ug/kg	09/25/06	02:47
6)	Beta-BHC	BQL	U	1.9	1	ug/kg	09/25/06	02:47
7)	Chlordane	BQL	U	38	1	ug/kg	09/25/06	02:47
8)	Delta-BHC	BQL	U	1.9	1	ug/kg	09/25/06	02:47
9)	Dieldrin	BQL	U	1.9	1	ug/kg	09/25/06	02:47
10)	Endosulfan I	BQL	U	1.9	1	ug/kg	09/25/06	02:47
11)	Endosulfan II	BQL	U	1.9	1	ug/kg	09/25/06	02:47
12)	Endosulfan Sulfate	BQL	U	1.9	1	ug/kg	09/25/06	02:47
13)	Endrin	BQL	U	1.9	1	ug/kg	09/25/06	02:47
14)	Gamma-BHC (Lindane)	BQL	U	1.9	1	ug/kg	09/25/06	02:47
15)	Heptachlor	BQL	U	1.9	1	ug/kg	09/25/06	02:47
16)	Heptachlor Epoxide	BQL	U	1.9	1	ug/kg	09/25/06	02:47
17)	Methoxychlor	BQL	U	1.9	1	ug/kg	09/25/06	02:47

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
18)	Decachlorobiphenyl	84 %	36 - 120	1	09/25/06	02:47
19)	Decachlorobiphenyl	80 %	36 - 120	1	09/25/06	02:47
20)	Tetrachloro-m-xylene	79 %	36 - 120	1	09/25/06	02:47
21)	Tetrachloro-m-xylene	79 %	36 - 120	1	09/25/06	02:47



# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-005	Lab Sample ID:	609092-005-006-1/1
Sample Date/Time:	09/18/2006 13:45	Percent Moisture:	9.97
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW5030B
Prepared Date/Time:	09/26/2006 09:00	Analytical Method:	SW8260B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	1,1,1-Trichloroethane	BQL	U	5.6	1	ug/kg	09/26/06	12:18
2)	1,1,2,2-Tetrachloroethane	BQL	U	5.6	1	ug/kg	09/26/06	12:18
3)	1,1,2-Trichloroethane	BQL	U	5.6	1	ug/kg	09/26/06	12:18
4)	1,1-Dichloroethane	BQL	U	5.6	1	ug/kg	09/26/06	12:18
5)	1,1-Dichloroethene	BQL	U	5.6	1	ug/kg	09/26/06	12:18
6)	1,2-Dichlorobenzene	BQL	U	5.6	1	ug/kg	09/26/06	12:18
7)	1,2-Dichloroethane	BQL	U	5.6	1	ug/kg	09/26/06	12:18
8)	1,3-Dichlorobenzene	BQL	U	5.6	1	ug/kg	09/26/06	12:18
9)	1,4-Dichlorobenzene	BQL	U	5.6	1	ug/kg	09/26/06	12:18
10)	2-Butanone	BQL	U	11	1	ug/kg	09/26/06	12:18
11)	4-Methyl-2-Pentanone	BQL	U	11	1	ug/kg	09/26/06	12:18
12)	Acetone	BQL	U	11	1	ug/kg	09/26/06	12:18
13)	Benzene	BQL	U	5.6	1	ug/kg	09/26/06	12:18
14)	Bromomethane	BQL	U	11	1	ug/kg	09/26/06	12:18
15)	Carbon Disulfide	BQL	U	5.6	1	ug/kg	09/26/06	12:18
16)	Carbon Tetrachloride	BQL	U	5.6	1	ug/kg	09/26/06	12:18
17)	Chlorobenzene	BQL	U	5.6	1	ug/kg	09/26/06	12:18
18)	Chloroethane	BQL	U	11	1	ug/kg	09/26/06	12:18
19)	Chloroform	BQL	U	5.6	1	ug/kg	09/26/06	12:18
20)	Chloromethane	BQL	U	11	1	ug/kg	09/26/06	12:18
21)	Dibromochloromethane	BQL	U	5.6	1	ug/kg	09/26/06	12:18
22)	Ethylbenzene	BQL	U	5.6	1	ug/kg	09/26/06	12:18
23)	Freon 113	BQL	U	5.6	1	ug/kg	09/26/06	12:18
24)	Methylene Chloride	BQL	U	11	1	ug/kg	09/26/06	12:18
25)	Styrene	BQL	U	5.6	1	ug/kg	09/26/06	12:18
26)	Tetrachloroethylene	BQL	U	5.6	1	ug/kg	09/26/06	12:18
27)	Toluene	BQL	U	5.6	1	ug/kg	09/26/06	12:18
28)	Trichloroethene	BQL	U	5.6	1	ug/kg	09/26/06	12:18

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-005	Lab Sample ID:	609092-005-006-1/1
Sample Date/Time:	09/18/2006 13:45	Percent Moisture:	9.97
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW5030B
Prepared Date/Time:	09/26/2006 09:00	Analytical Method:	SW8260B

29) Vinyl Chloride	BQL	U	11	1	ug/kg	09/26/06	12:18
30) Xylenes, Total	BQL	U	5.6	1	ug/kg	09/26/06	12:18
31) trans-1,2-dichloroethene	BQL	U	5.6	1	ug/kg	09/26/06	12:18

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
32) 1,2-Dichlorobenzene-d4	107 %	65 - 123	1	09/26/06 12:18
33) 1,2-Dichloroethane-d4	87 %	65 - 125	1	09/26/06 12:18
34) 4-Bromofluorobenzene	115 %	85 - 120	1	09/26/06 12:18
35) Toluene-D8	94 %	85 - 115	1	09/26/06 12:18

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-005	Lab Sample ID:	609092-005-019-1/1
Sample Date/Time:	09/18/2006 13:45	Percent Moisture:	9.97
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3050B
Prepared Date/Time:	09/23/2006 00:00	Analytical Method:	SW6010B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	<b>Aluminum</b>	<b>18600</b>	<b>B</b>	<b>19</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>19:16</b>
2)	Antimony	0.41	JN	1.9	1	mg/kg	09/25/06	19:16
3)	<b>Arsenic</b>	<b>11.4</b>		<b>1.9</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>19:16</b>
4)	<b>Barium</b>	<b>110</b>	<b>N</b>	<b>0.47</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>19:16</b>
5)	<b>Beryllium</b>	<b>1.1</b>	<b>EB</b>	<b>0.19</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>19:16</b>
6)	Cadmium	0.27	JB	0.57	1	mg/kg	09/25/06	19:16
7)	<b>Calcium</b>	<b>4390</b>	<b>*</b>	<b>94.9</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>19:16</b>
8)	<b>Chromium</b>	<b>26.6</b>		<b>0.47</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>19:16</b>
9)	<b>Cobalt</b>	<b>19.4</b>	<b>B</b>	<b>0.47</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>19:16</b>
10)	<b>Copper</b>	<b>49.9</b>	<b>B</b>	<b>0.95</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>19:16</b>
11)	<b>Iron</b>	<b>38300</b>	<b>B</b>	<b>14.2</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>19:16</b>
12)	<b>Lead</b>	<b>23.9</b>		<b>0.95</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>19:16</b>
13)	<b>Magnesium</b>	<b>6550</b>	<b>B</b>	<b>23.7</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>19:16</b>
14)	<b>Manganese</b>	<b>916</b>	<b>B</b>	<b>0.47</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>19:16</b>
15)	<b>Nickel</b>	<b>41.8</b>		<b>0.95</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>19:16</b>
16)	<b>Potassium</b>	<b>2040</b>	<b>NB</b>	<b>23.7</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>19:16</b>
17)	Selenium	BQL	U	1.9	1	mg/kg	09/25/06	19:16
18)	Silver	BQL	U	0.47	1	mg/kg	09/25/06	19:16
19)	Thallium	1.4	J	2.8	1	mg/kg	09/25/06	19:16
20)	<b>Vanadium</b>	<b>31.0</b>	<b>B</b>	<b>0.95</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>19:16</b>
21)	<b>Zinc</b>	<b>104</b>		<b>1.9</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>19:16</b>

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-005	Lab Sample ID:	609092-005-019-1/1
Sample Date/Time:	09/18/2006 13:45	Percent Moisture:	9.97
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW7471_DIG
Prepared Date/Time:	09/22/2006 21:00	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Mercury	0.036		0.033	1	mg/kg	09/23/06 16:35

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-005	Lab Sample ID:	609092-005-019-1/1
Sample Date/Time:	09/18/2006 13:45	Percent Moisture:	9.97
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Percent Solids	90		1.0	1	%	09/22/06 15:27

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-005	Lab Sample ID:	609092-005-028-1/1
Sample Date/Time:	09/18/2006 13:45	Percent Moisture:	9.97
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 13:02	Analytical Method:	SW8270C

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	2,4,5-Trichlorophenol	BQL	U	370	1	ug/kg	09/25/06 18:58
2)	2,4-Dichlorophenol	BQL	U	370	1	ug/kg	09/25/06 18:58
3)	2,4-Dinitrophenol	BQL	U	740	1	ug/kg	09/25/06 18:58
4)	2,6-Dinitrotoluene	BQL	U	370	1	ug/kg	09/25/06 18:58
5)	2-Chlorophenol	BQL	U	370	1	ug/kg	09/25/06 18:58
6)	2-Methylnaphthalene	BQL	U	370	1	ug/kg	09/25/06 18:58
7)	2-Nitroaniline	BQL	U	370	1	ug/kg	09/25/06 18:58
8)	2-Nitrophenol	BQL	U	370	1	ug/kg	09/25/06 18:58
9)	2-methylphenol	BQL	U	370	1	ug/kg	09/25/06 18:58
10)	3,3-Dichlorobenzidine	BQL	U	740	1	ug/kg	09/25/06 18:58
11)	3-Nitroaniline	BQL	U	370	1	ug/kg	09/25/06 18:58
12)	4-Chloroaniline	BQL	U	370	1	ug/kg	09/25/06 18:58
13)	4-Nitroaniline	BQL	U	370	1	ug/kg	09/25/06 18:58
14)	4-Nitrophenol	BQL	U	740	1	ug/kg	09/25/06 18:58
15)	4-chloro-3-methylphenol	BQL	U	370	1	ug/kg	09/25/06 18:58
16)	4-methylphenol	BQL	U	370	1	ug/kg	09/25/06 18:58
17)	Acenaphthene	BQL	U	370	1	ug/kg	09/25/06 18:58
18)	Acenaphthylene	BQL	U	370	1	ug/kg	09/25/06 18:58
19)	Aniline (Phenylamine, Aminobenzene)	BQL	U	370	1	ug/kg	09/25/06 18:58
20)	Anthracene	BQL	U	370	1	ug/kg	09/25/06 18:58
21)	Benzo(a)anthracene	BQL	U	370	1	ug/kg	09/25/06 18:58
22)	Benzo(a)pyrene	BQL	U	370	1	ug/kg	09/25/06 18:58
23)	Benzo(b)fluoranthene	BQL	U	370	1	ug/kg	09/25/06 18:58
24)	Benzo(g,h,i)perylene	BQL	U	370	1	ug/kg	09/25/06 18:58
25)	Benzo(k)fluoranthene	BQL	U	370	1	ug/kg	09/25/06 18:58
26)	Benzoic Acid	BQL	U	740	1	ug/kg	09/25/06 18:58
27)	Benzyl Butyl Phthalate	BQL	U	370	1	ug/kg	09/25/06 18:58
28)	Chrysene	BQL	U	370	1	ug/kg	09/25/06 18:58

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-005	Lab Sample ID:	609092-005-028-1/1
Sample Date/Time:	09/18/2006 13:45	Percent Moisture:	9.97
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 13:02	Analytical Method:	SW8270C

29) Dibenz(a,h)Anthracene	BQL U	370	1	ug/kg	09/25/06	18:58
30) Dibenzofuran	BQL U	370	1	ug/kg	09/25/06	18:58
31) Diethyl Phthalate	BQL U	370	1	ug/kg	09/25/06	18:58
32) Dimethyl Phthalate	BQL U	370	1	ug/kg	09/25/06	18:58
33) Fluoranthene	BQL U	370	1	ug/kg	09/25/06	18:58
34) Fluorene	BQL U	370	1	ug/kg	09/25/06	18:58
35) Hexachlorobenzene	BQL U	370	1	ug/kg	09/25/06	18:58
36) Indeno(1,2,3-c,d)Pyrene	BQL U	370	1	ug/kg	09/25/06	18:58
37) Isophorone	BQL U	370	1	ug/kg	09/25/06	18:58
38) Naphthalene	BQL U	370	1	ug/kg	09/25/06	18:58
39) Nitrobenzene	BQL U	370	1	ug/kg	09/25/06	18:58
40) Pentachlorophenol	BQL U	740	1	ug/kg	09/25/06	18:58
41) Phenanthrene	BQL U	370	1	ug/kg	09/25/06	18:58
42) Phenol	BQL U	370	1	ug/kg	09/25/06	18:58
43) Pyrene	BQL U	370	1	ug/kg	09/25/06	18:58
44) bis(2-ethylhexyl) phthalate	BQL U	370	1	ug/kg	09/25/06	18:58
45) di-n-Butyl Phthalate	93 J	370	1	ug/kg	09/25/06	18:58
46) di-n-Octyl Phthalate	BQL U	370	1	ug/kg	09/25/06	18:58

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
47) 2,4,6-Tribromophenol	95 %	35 - 125	1	09/25/06 18:58
48) 2-Fluorobiphenyl	80 %	45 - 105	1	09/25/06 18:58
49) 2-Fluorophenol	72 %	35 - 105	1	09/25/06 18:58
50) Nitrobenzene-d5	72 %	35 - 100	1	09/25/06 18:58
51) Phenol-d5	74 %	40 - 100	1	09/25/06 18:58
52) p-Terphenyl-d14	112 %	30 - 125	1	09/25/06 18:58

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-005	Lab Sample ID:	609092-005-028-1/1
Sample Date/Time:	09/18/2006 13:45	Percent Moisture:	9.97
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 00:00	Analytical Method:	SW8081A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	4,4-DDD	0.38	J	1.9	1	ug/kg	09/25/06 03:16
2)	4,4-DDE	BQL	U	1.9	1	ug/kg	09/25/06 03:16
3)	4,4-DDT	1.4	JP	1.9	1	ug/kg	09/25/06 03:16
4)	Aldrin	BQL	U	1.9	1	ug/kg	09/25/06 03:16
5)	Alpha-BHC	BQL	U	1.9	1	ug/kg	09/25/06 03:16
6)	Beta-BHC	BQL	U	1.9	1	ug/kg	09/25/06 03:16
7)	Chlordane	BQL	U	37	1	ug/kg	09/25/06 03:16
8)	Delta-BHC	BQL	U	1.9	1	ug/kg	09/25/06 03:16
9)	Dieldrin	BQL	U	1.9	1	ug/kg	09/25/06 03:16
10)	Endosulfan I	BQL	U	1.9	1	ug/kg	09/25/06 03:16
11)	Endosulfan II	BQL	U	1.9	1	ug/kg	09/25/06 03:16
12)	Endosulfan Sulfate	BQL	U	1.9	1	ug/kg	09/25/06 03:16
13)	Endrin	BQL	U	1.9	1	ug/kg	09/25/06 03:16
14)	Gamma-BHC (Lindane)	BQL	U	1.9	1	ug/kg	09/25/06 03:16
15)	Heptachlor	BQL	U	1.9	1	ug/kg	09/25/06 03:16
16)	Heptachlor Epoxide	BQL	U	1.9	1	ug/kg	09/25/06 03:16
17)	Methoxychlor	BQL	U	1.9	1	ug/kg	09/25/06 03:16

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
18)	Decachlorobiphenyl	90 %	36 - 120	1	09/25/06 03:16
19)	Decachlorobiphenyl	89 %	36 - 120	1	09/25/06 03:16
20)	Tetrachloro-m-xylene	88 %	36 - 120	1	09/25/06 03:16
21)	Tetrachloro-m-xylene	84 %	36 - 120	1	09/25/06 03:16



# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-006	Lab Sample ID:	609092-006-007-1/1
Sample Date/Time:	09/18/2006 13:55	Percent Moisture:	8.39
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW5030B
Prepared Date/Time:	09/25/2006 08:22	Analytical Method:	SW8260B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	1,1,1-Trichloroethane	BQL	U	5.5	1	ug/kg	09/25/06	16:35
2)	1,1,2,2-Tetrachloroethane	BQL	U	5.5	1	ug/kg	09/25/06	16:35
3)	1,1,2-Trichloroethane	BQL	U	5.5	1	ug/kg	09/25/06	16:35
4)	1,1-Dichloroethane	BQL	U	5.5	1	ug/kg	09/25/06	16:35
5)	1,1-Dichloroethene	BQL	U	5.5	1	ug/kg	09/25/06	16:35
6)	1,2-Dichlorobenzene	BQL	U	5.5	1	ug/kg	09/25/06	16:35
7)	1,2-Dichloroethane	BQL	U	5.5	1	ug/kg	09/25/06	16:35
8)	1,3-Dichlorobenzene	BQL	U	5.5	1	ug/kg	09/25/06	16:35
9)	1,4-Dichlorobenzene	BQL	U	5.5	1	ug/kg	09/25/06	16:35
10)	2-Butanone	BQL	U	11	1	ug/kg	09/25/06	16:35
11)	4-Methyl-2-Pentanone	BQL	U	11	1	ug/kg	09/25/06	16:35
12)	Acetone	BQL	U	11	1	ug/kg	09/25/06	16:35
13)	Benzene	1.5	J	5.5	1	ug/kg	09/25/06	16:35
14)	Bromomethane	BQL	U	11	1	ug/kg	09/25/06	16:35
15)	Carbon Disulfide	BQL	U	5.5	1	ug/kg	09/25/06	16:35
16)	Carbon Tetrachloride	BQL	U	5.5	1	ug/kg	09/25/06	16:35
17)	Chlorobenzene	BQL	U	5.5	1	ug/kg	09/25/06	16:35
18)	Chloroethane	BQL	U	11	1	ug/kg	09/25/06	16:35
19)	Chloroform	2.1	J	5.5	1	ug/kg	09/25/06	16:35
20)	Chloromethane	BQL	U	11	1	ug/kg	09/25/06	16:35
21)	Dibromochloromethane	BQL	U	5.5	1	ug/kg	09/25/06	16:35
22)	<b>Ethylbenzene</b>	<b>7.8</b>		<b>5.5</b>	<b>1</b>	<b>ug/kg</b>	<b>09/25/06</b>	<b>16:35</b>
23)	Freon 113	BQL	U	5.5	1	ug/kg	09/25/06	16:35
24)	Methylene Chloride	BQL	U	11	1	ug/kg	09/25/06	16:35
25)	Styrene	BQL	U	5.5	1	ug/kg	09/25/06	16:35
26)	Tetrachloroethylene	BQL	U	5.5	1	ug/kg	09/25/06	16:35
27)	<b>Toluene</b>	<b>5.8</b>		<b>5.5</b>	<b>1</b>	<b>ug/kg</b>	<b>09/25/06</b>	<b>16:35</b>
28)	Trichloroethene	BQL	U	5.5	1	ug/kg	09/25/06	16:35

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-006	Lab Sample ID:	609092-006-007-1/1
Sample Date/Time:	09/18/2006 13:55	Percent Moisture:	8.39
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW5030B
Prepared Date/Time:	09/25/2006 08:22	Analytical Method:	SW8260B

29) Vinyl Chloride	BQL U	11	1	ug/kg	09/25/06	16:35
30) Xylenes, Total	23	5.5	1	ug/kg	09/25/06	16:35
31) trans-1,2-dichloroethene	BQL U	5.5	1	ug/kg	09/25/06	16:35

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
32)	1,2-Dichlorobenzene-d4	101 %	65 - 123	1	09/25/06 16:35
33)	1,2-Dichloroethane-d4	82 %	65 - 125	1	09/25/06 16:35
34)	4-Bromofluorobenzene	108 %	85 - 120	1	09/25/06 16:35
35)	Toluene-D8	88 %	85 - 115	1	09/25/06 16:35

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-006	Lab Sample ID:	609092-006-020-1/1
Sample Date/Time:	09/18/2006 13:55	Percent Moisture:	8.39
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3050B
Prepared Date/Time:	09/23/2006 00:00	Analytical Method:	SW6010B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Aluminum	15400	B	18.5	1	mg/kg	09/25/06	19:24
2)	Antimony	0.47	JN	1.9	1	mg/kg	09/25/06	19:24
3)	Arsenic	9.8		1.9	1	mg/kg	09/25/06	19:24
4)	Barium	75.5	N	0.46	1	mg/kg	09/25/06	19:24
5)	Beryllium	0.82	EB	0.19	1	mg/kg	09/25/06	19:24
6)	Cadmium	0.28	JB	0.56	1	mg/kg	09/25/06	19:24
7)	Calcium	18900	*	92.5	1	mg/kg	09/25/06	19:24
8)	Chromium	24.1		0.46	1	mg/kg	09/25/06	19:24
9)	Cobalt	16.0	B	0.46	1	mg/kg	09/25/06	19:24
10)	Copper	44.7	B	0.93	1	mg/kg	09/25/06	19:24
11)	Iron	35100	B	13.9	1	mg/kg	09/25/06	19:24
12)	Lead	16.3		0.93	1	mg/kg	09/25/06	19:24
13)	Magnesium	8520	B	23.1	1	mg/kg	09/25/06	19:24
14)	Manganese	581	B	0.46	1	mg/kg	09/25/06	19:24
15)	Nickel	38.7		0.93	1	mg/kg	09/25/06	19:24
16)	Potassium	2220	NB	23.1	1	mg/kg	09/25/06	19:24
17)	Selenium	BQL	U	1.9	1	mg/kg	09/25/06	19:24
18)	Silver	BQL	U	0.46	1	mg/kg	09/25/06	19:24
19)	Thallium	1.3	J	2.8	1	mg/kg	09/25/06	19:24
20)	Vanadium	26.7	B	0.93	1	mg/kg	09/25/06	19:24
21)	Zinc	95.6		1.9	1	mg/kg	09/25/06	19:24

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-006	Lab Sample ID:	609092-006-020-1/1
Sample Date/Time:	09/18/2006 13:55	Percent Moisture:	8.39
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW7471_DIG
Prepared Date/Time:	09/22/2006 21:00	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Mercury	0.031	J	0.032	1	mg/kg	09/23/06 16:38

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-006	Lab Sample ID:	609092-006-020-1/1
Sample Date/Time:	09/18/2006 13:55	Percent Moisture:	8.39
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Percent Solids	92		1.0	1	%	09/22/06 15:27

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-006	Lab Sample ID:	609092-006-029-1/1
Sample Date/Time:	09/18/2006 13:55	Percent Moisture:	8.39
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 13:02	Analytical Method:	SW8270C

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	2,4,5-Trichlorophenol	BQL	U	360	1	ug/kg	09/25/06 19:41
2)	2,4-Dichlorophenol	BQL	U	360	1	ug/kg	09/25/06 19:41
3)	2,4-Dinitrophenol	BQL	U	730	1	ug/kg	09/25/06 19:41
4)	2,6-Dinitrotoluene	BQL	U	360	1	ug/kg	09/25/06 19:41
5)	2-Chlorophenol	BQL	U	360	1	ug/kg	09/25/06 19:41
6)	2-Methylnaphthalene	BQL	U	360	1	ug/kg	09/25/06 19:41
7)	2-Nitroaniline	BQL	U	360	1	ug/kg	09/25/06 19:41
8)	2-Nitrophenol	BQL	U	360	1	ug/kg	09/25/06 19:41
9)	2-methylphenol	BQL	U	360	1	ug/kg	09/25/06 19:41
10)	3,3-Dichlorobenzidine	BQL	U	730	1	ug/kg	09/25/06 19:41
11)	3-Nitroaniline	BQL	U	360	1	ug/kg	09/25/06 19:41
12)	4-Chloroaniline	BQL	U	360	1	ug/kg	09/25/06 19:41
13)	4-Nitroaniline	BQL	U	360	1	ug/kg	09/25/06 19:41
14)	4-Nitrophenol	BQL	U	730	1	ug/kg	09/25/06 19:41
15)	4-chloro-3-methylphenol	BQL	U	360	1	ug/kg	09/25/06 19:41
16)	4-methylphenol	BQL	U	360	1	ug/kg	09/25/06 19:41
17)	Acenaphthene	BQL	U	360	1	ug/kg	09/25/06 19:41
18)	Acenaphthylene	BQL	U	360	1	ug/kg	09/25/06 19:41
19)	Aniline (Phenylamine, Aminobenzene)	BQL	U	360	1	ug/kg	09/25/06 19:41
20)	Anthracene	BQL	U	360	1	ug/kg	09/25/06 19:41
21)	Benzo(a)anthracene	BQL	U	360	1	ug/kg	09/25/06 19:41
22)	Benzo(a)pyrene	BQL	U	360	1	ug/kg	09/25/06 19:41
23)	Benzo(b)fluoranthene	BQL	U	360	1	ug/kg	09/25/06 19:41
24)	Benzo(g,h,i)perylene	BQL	U	360	1	ug/kg	09/25/06 19:41
25)	Benzo(k)fluoranthene	BQL	U	360	1	ug/kg	09/25/06 19:41
26)	Benzoic Acid	BQL	U	730	1	ug/kg	09/25/06 19:41
27)	Benzyl Butyl Phthalate	BQL	U	360	1	ug/kg	09/25/06 19:41
28)	Chrysene	BQL	U	360	1	ug/kg	09/25/06 19:41

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-006	Lab Sample ID:	609092-006-029-1/1
Sample Date/Time:	09/18/2006 13:55	Percent Moisture:	8.39
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 13:02	Analytical Method:	SW8270C

29) Dibenz(a,h)Anthracene	BQL U	360	1	ug/kg	09/25/06	19:41
30) Dibenzofuran	BQL U	360	1	ug/kg	09/25/06	19:41
31) Diethyl Phthalate	BQL U	360	1	ug/kg	09/25/06	19:41
32) Dimethyl Phthalate	BQL U	360	1	ug/kg	09/25/06	19:41
33) Fluoranthene	BQL U	360	1	ug/kg	09/25/06	19:41
34) Fluorene	BQL U	360	1	ug/kg	09/25/06	19:41
35) Hexachlorobenzene	BQL U	360	1	ug/kg	09/25/06	19:41
36) Indeno(1,2,3-c,d)Pyrene	BQL U	360	1	ug/kg	09/25/06	19:41
37) Isophorone	BQL U	360	1	ug/kg	09/25/06	19:41
38) Naphthalene	BQL U	360	1	ug/kg	09/25/06	19:41
39) Nitrobenzene	BQL U	360	1	ug/kg	09/25/06	19:41
40) Pentachlorophenol	BQL U	730	1	ug/kg	09/25/06	19:41
41) Phenanthrene	BQL U	360	1	ug/kg	09/25/06	19:41
42) Phenol	BQL U	360	1	ug/kg	09/25/06	19:41
43) Pyrene	BQL U	360	1	ug/kg	09/25/06	19:41
44) bis(2-ethylhexyl) phthalate	150 J	360	1	ug/kg	09/25/06	19:41
45) di-n-Butyl Phthalate	66 J	360	1	ug/kg	09/25/06	19:41
46) di-n-Octyl Phthalate	BQL U	360	1	ug/kg	09/25/06	19:41

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
47) 2,4,6-Tribromophenol	100 %	35 - 125	1	09/25/06 19:41
48) 2-Fluorobiphenyl	86 %	45 - 105	1	09/25/06 19:41
49) 2-Fluorophenol	72 %	35 - 105	1	09/25/06 19:41
50) Nitrobenzene-d5	75 %	35 - 100	1	09/25/06 19:41
51) Phenol-d5	74 %	40 - 100	1	09/25/06 19:41
52) p-Terphenyl-d14	110 %	30 - 125	1	09/25/06 19:41

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-006	Lab Sample ID:	609092-006-029-1/1
Sample Date/Time:	09/18/2006 13:55	Percent Moisture:	8.39
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 00:00	Analytical Method:	SW8081A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	4,4-DDD	BQL	U	1.8	1	ug/kg	09/25/06	03:46
2)	4,4-DDE	BQL	U	1.8	1	ug/kg	09/25/06	03:46
3)	<b>4,4-DDT</b>	<b>1.9</b>	<b>P</b>	<b>1.8</b>	<b>1</b>	<b>ug/kg</b>	<b>09/25/06</b>	<b>03:46</b>
4)	Aldrin	BQL	U	1.8	1	ug/kg	09/25/06	03:46
5)	Alpha-BHC	BQL	U	1.8	1	ug/kg	09/25/06	03:46
6)	Beta-BHC	BQL	U	1.8	1	ug/kg	09/25/06	03:46
7)	Chlordane	BQL	U	36	1	ug/kg	09/25/06	03:46
8)	Delta-BHC	BQL	U	1.8	1	ug/kg	09/25/06	03:46
9)	Dieldrin	BQL	U	1.8	1	ug/kg	09/25/06	03:46
10)	Endosulfan I	BQL	U	1.8	1	ug/kg	09/25/06	03:46
11)	Endosulfan II	BQL	U	1.8	1	ug/kg	09/25/06	03:46
12)	Endosulfan Sulfate	BQL	U	1.8	1	ug/kg	09/25/06	03:46
13)	Endrin	BQL	U	1.8	1	ug/kg	09/25/06	03:46
14)	Gamma-BHC (Lindane)	BQL	U	1.8	1	ug/kg	09/25/06	03:46
15)	Heptachlor	BQL	U	1.8	1	ug/kg	09/25/06	03:46
16)	Heptachlor Epoxide	BQL	U	1.8	1	ug/kg	09/25/06	03:46
17)	Methoxychlor	BQL	U	1.8	1	ug/kg	09/25/06	03:46

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
18)	Decachlorobiphenyl	84 %	36 - 120	1	09/25/06	03:46
19)	Decachlorobiphenyl	78 %	36 - 120	1	09/25/06	03:46
20)	Tetrachloro-m-xylene	97 %	36 - 120	1	09/25/06	03:46
21)	Tetrachloro-m-xylene	110 %	36 - 120	1	09/25/06	03:46



# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-007	Lab Sample ID:	609092-007-008-1/1
Sample Date/Time:	09/18/2006 14:10	Percent Moisture:	8.8
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW5030B
Prepared Date/Time:	09/25/2006 08:22	Analytical Method:	SW8260B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	1,1,1-Trichloroethane	BQL	U	5.5	1	ug/kg	09/25/06 17:12
2)	1,1,2,2-Tetrachloroethane	BQL	U	5.5	1	ug/kg	09/25/06 17:12
3)	1,1,2-Trichloroethane	BQL	U	5.5	1	ug/kg	09/25/06 17:12
4)	1,1-Dichloroethane	BQL	U	5.5	1	ug/kg	09/25/06 17:12
5)	1,1-Dichloroethene	BQL	U	5.5	1	ug/kg	09/25/06 17:12
6)	1,2-Dichlorobenzene	BQL	U	5.5	1	ug/kg	09/25/06 17:12
7)	1,2-Dichloroethane	BQL	U	5.5	1	ug/kg	09/25/06 17:12
8)	1,3-Dichlorobenzene	BQL	U	5.5	1	ug/kg	09/25/06 17:12
9)	1,4-Dichlorobenzene	BQL	U	5.5	1	ug/kg	09/25/06 17:12
10)	2-Butanone	BQL	U	11	1	ug/kg	09/25/06 17:12
11)	4-Methyl-2-Pentanone	BQL	U	11	1	ug/kg	09/25/06 17:12
12)	Acetone	BQL	U	11	1	ug/kg	09/25/06 17:12
13)	Benzene	BQL	U	5.5	1	ug/kg	09/25/06 17:12
14)	Bromomethane	BQL	U	11	1	ug/kg	09/25/06 17:12
15)	Carbon Disulfide	BQL	U	5.5	1	ug/kg	09/25/06 17:12
16)	Carbon Tetrachloride	BQL	U	5.5	1	ug/kg	09/25/06 17:12
17)	Chlorobenzene	BQL	U	5.5	1	ug/kg	09/25/06 17:12
18)	Chloroethane	BQL	U	11	1	ug/kg	09/25/06 17:12
19)	Chloroform	2.1	J	5.5	1	ug/kg	09/25/06 17:12
20)	Chloromethane	BQL	U	11	1	ug/kg	09/25/06 17:12
21)	Dibromochloromethane	BQL	U	5.5	1	ug/kg	09/25/06 17:12
22)	Ethylbenzene	5.0	J	5.5	1	ug/kg	09/25/06 17:12
23)	Freon 113	BQL	U	5.5	1	ug/kg	09/25/06 17:12
24)	Methylene Chloride	BQL	U	11	1	ug/kg	09/25/06 17:12
25)	Styrene	BQL	U	5.5	1	ug/kg	09/25/06 17:12
26)	Tetrachloroethylene	BQL	U	5.5	1	ug/kg	09/25/06 17:12
27)	Toluene	BQL	U	5.5	1	ug/kg	09/25/06 17:12
28)	Trichloroethene	BQL	U	5.5	1	ug/kg	09/25/06 17:12

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-007	Lab Sample ID:	609092-007-008-1/1
Sample Date/Time:	09/18/2006 14:10	Percent Moisture:	8.8
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW5030B
Prepared Date/Time:	09/25/2006 08:22	Analytical Method:	SW8260B

29) Vinyl Chloride	BQL U	11	1	ug/kg	09/25/06	17:12
30) Xylenes, Total	11	5.5	1	ug/kg	09/25/06	17:12
31) trans-1,2-dichloroethene	BQL U	5.5	1	ug/kg	09/25/06	17:12

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
32)	1,2-Dichlorobenzene-d4	105 %	65 - 123	1	09/25/06 17:12
33)	1,2-Dichloroethane-d4	88 %	65 - 125	1	09/25/06 17:12
34)	4-Bromofluorobenzene	110 %	85 - 120	1	09/25/06 17:12
35)	Toluene-D8	92 %	85 - 115	1	09/25/06 17:12

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-007	Lab Sample ID:	609092-007-021-1/1
Sample Date/Time:	09/18/2006 14:10	Percent Moisture:	8.8
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3050B
Prepared Date/Time:	09/23/2006 00:00	Analytical Method:	SW6010B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	<b>Aluminum</b>	<b>15400</b>	<b>B</b>	<b>18</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 20:17</b>
2)	Antimony	BQL	UN	1.8	1	mg/kg	09/25/06 20:17
3)	<b>Arsenic</b>	<b>10.2</b>		<b>1.8</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 20:17</b>
4)	<b>Barium</b>	<b>79.6</b>	<b>N</b>	<b>0.45</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 20:17</b>
5)	<b>Beryllium</b>	<b>0.86</b>	<b>EB</b>	<b>0.18</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 20:17</b>
6)	Cadmium	0.26	JB	0.54	1	mg/kg	09/25/06 20:17
7)	<b>Calcium</b>	<b>24700</b>	<b>*</b>	<b>89.9</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 20:17</b>
8)	<b>Chromium</b>	<b>24.3</b>		<b>0.45</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 20:17</b>
9)	<b>Cobalt</b>	<b>18.9</b>	<b>B</b>	<b>0.45</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 20:17</b>
10)	<b>Copper</b>	<b>47.5</b>	<b>B</b>	<b>0.9</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 20:17</b>
11)	<b>Iron</b>	<b>35100</b>	<b>B</b>	<b>13.5</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 20:17</b>
12)	<b>Lead</b>	<b>19.9</b>		<b>0.9</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 20:17</b>
13)	<b>Magnesium</b>	<b>9320</b>	<b>B</b>	<b>22.5</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 20:17</b>
14)	<b>Manganese</b>	<b>898</b>	<b>B</b>	<b>0.45</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 20:17</b>
15)	<b>Nickel</b>	<b>39.7</b>		<b>0.9</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 20:17</b>
16)	<b>Potassium</b>	<b>2340</b>	<b>NB</b>	<b>22.5</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 20:17</b>
17)	Selenium	BQL	U	1.8	1	mg/kg	09/25/06 20:17
18)	Silver	BQL	U	0.45	1	mg/kg	09/25/06 20:17
19)	Thallium	1.4	J	2.7	1	mg/kg	09/25/06 20:17
20)	<b>Vanadium</b>	<b>27.0</b>	<b>B</b>	<b>0.9</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 20:17</b>
21)	<b>Zinc</b>	<b>102</b>		<b>1.8</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06 20:17</b>

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-007	Lab Sample ID:	609092-007-021-1/1
Sample Date/Time:	09/18/2006 14:10	Percent Moisture:	8.8
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW7471_DIG
Prepared Date/Time:	09/22/2006 21:00	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Mercury	0.028	J	0.035	1	mg/kg	09/23/06 16:44

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-007	Lab Sample ID:	609092-007-021-1/1
Sample Date/Time:	09/18/2006 14:10	Percent Moisture:	8.8
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Percent Solids	91		1.0	1	%	09/22/06 15:27

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-007	Lab Sample ID:	609092-007-030-1/1
Sample Date/Time:	09/18/2006 14:10	Percent Moisture:	8.8
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 13:02	Analytical Method:	SW8270C

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	2,4,5-Trichlorophenol	BQL	U	370	1	ug/kg	09/25/06 20:24
2)	2,4-Dichlorophenol	BQL	U	370	1	ug/kg	09/25/06 20:24
3)	2,4-Dinitrophenol	BQL	U	730	1	ug/kg	09/25/06 20:24
4)	2,6-Dinitrotoluene	BQL	U	370	1	ug/kg	09/25/06 20:24
5)	2-Chlorophenol	BQL	U	370	1	ug/kg	09/25/06 20:24
6)	2-Methylnaphthalene	BQL	U	370	1	ug/kg	09/25/06 20:24
7)	2-Nitroaniline	BQL	U	370	1	ug/kg	09/25/06 20:24
8)	2-Nitrophenol	BQL	U	370	1	ug/kg	09/25/06 20:24
9)	2-methylphenol	BQL	U	370	1	ug/kg	09/25/06 20:24
10)	3,3-Dichlorobenzidine	BQL	U	730	1	ug/kg	09/25/06 20:24
11)	3-Nitroaniline	BQL	U	370	1	ug/kg	09/25/06 20:24
12)	4-Chloroaniline	BQL	U	370	1	ug/kg	09/25/06 20:24
13)	4-Nitroaniline	BQL	U	370	1	ug/kg	09/25/06 20:24
14)	4-Nitrophenol	BQL	U	730	1	ug/kg	09/25/06 20:24
15)	4-chloro-3-methylphenol	BQL	U	370	1	ug/kg	09/25/06 20:24
16)	4-methylphenol	BQL	U	370	1	ug/kg	09/25/06 20:24
17)	Acenaphthene	BQL	U	370	1	ug/kg	09/25/06 20:24
18)	Acenaphthylene	BQL	U	370	1	ug/kg	09/25/06 20:24
19)	Aniline (Phenylamine, Aminobenzene)	BQL	U	370	1	ug/kg	09/25/06 20:24
20)	Anthracene	BQL	U	370	1	ug/kg	09/25/06 20:24
21)	Benzo(a)anthracene	BQL	U	370	1	ug/kg	09/25/06 20:24
22)	Benzo(a)pyrene	BQL	U	370	1	ug/kg	09/25/06 20:24
23)	Benzo(b)fluoranthene	BQL	U	370	1	ug/kg	09/25/06 20:24
24)	Benzo(g,h,i)perylene	BQL	U	370	1	ug/kg	09/25/06 20:24
25)	Benzo(k)fluoranthene	BQL	U	370	1	ug/kg	09/25/06 20:24
26)	Benzoic Acid	BQL	U	730	1	ug/kg	09/25/06 20:24
27)	Benzyl Butyl Phthalate	BQL	U	370	1	ug/kg	09/25/06 20:24
28)	Chrysene	BQL	U	370	1	ug/kg	09/25/06 20:24

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-007	Lab Sample ID:	609092-007-030-1/1
Sample Date/Time:	09/18/2006 14:10	Percent Moisture:	8.8
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 13:02	Analytical Method:	SW8270C

29) Dibenz(a,h)Anthracene	BQL U	370	1	ug/kg	09/25/06	20:24
30) Dibenzofuran	BQL U	370	1	ug/kg	09/25/06	20:24
31) Diethyl Phthalate	BQL U	370	1	ug/kg	09/25/06	20:24
32) Dimethyl Phthalate	BQL U	370	1	ug/kg	09/25/06	20:24
33) Fluoranthene	BQL U	370	1	ug/kg	09/25/06	20:24
34) Fluorene	BQL U	370	1	ug/kg	09/25/06	20:24
35) Hexachlorobenzene	BQL U	370	1	ug/kg	09/25/06	20:24
36) Indeno(1,2,3-c,d)Pyrene	BQL U	370	1	ug/kg	09/25/06	20:24
37) Isophorone	BQL U	370	1	ug/kg	09/25/06	20:24
38) Naphthalene	BQL U	370	1	ug/kg	09/25/06	20:24
39) Nitrobenzene	BQL U	370	1	ug/kg	09/25/06	20:24
40) Pentachlorophenol	BQL U	730	1	ug/kg	09/25/06	20:24
41) Phenanthrene	BQL U	370	1	ug/kg	09/25/06	20:24
42) Phenol	BQL U	370	1	ug/kg	09/25/06	20:24
43) Pyrene	BQL U	370	1	ug/kg	09/25/06	20:24
44) bis(2-ethylhexyl) phthalate	BQL U	370	1	ug/kg	09/25/06	20:24
45) di-n-Butyl Phthalate	96 J	370	1	ug/kg	09/25/06	20:24
46) di-n-Octyl Phthalate	BQL U	370	1	ug/kg	09/25/06	20:24

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
47) 2,4,6-Tribromophenol	97 %	35 - 125	1	09/25/06 20:24
48) 2-Fluorobiphenyl	80 %	45 - 105	1	09/25/06 20:24
49) 2-Fluorophenol	70 %	35 - 105	1	09/25/06 20:24
50) Nitrobenzene-d5	71 %	35 - 100	1	09/25/06 20:24
51) Phenol-d5	71 %	40 - 100	1	09/25/06 20:24
52) p-Terphenyl-d14	106 %	30 - 125	1	09/25/06 20:24

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-007	Lab Sample ID:	609092-007-030-1/1
Sample Date/Time:	09/18/2006 14:10	Percent Moisture:	8.8
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 00:00	Analytical Method:	SW8081A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	4,4-DDD	BQL	U	1.8	1	ug/kg	09/25/06 04:16
2)	4,4-DDE	BQL	U	1.8	1	ug/kg	09/25/06 04:16
3)	4,4-DDT	BQL	U	1.8	1	ug/kg	09/25/06 04:16
4)	Aldrin	BQL	U	1.8	1	ug/kg	09/25/06 04:16
5)	Alpha-BHC	BQL	U	1.8	1	ug/kg	09/25/06 04:16
6)	Beta-BHC	BQL	U	1.8	1	ug/kg	09/25/06 04:16
7)	Chlordane	BQL	U	37	1	ug/kg	09/25/06 04:16
8)	Delta-BHC	BQL	U	1.8	1	ug/kg	09/25/06 04:16
9)	Dieldrin	BQL	U	1.8	1	ug/kg	09/25/06 04:16
10)	Endosulfan I	BQL	U	1.8	1	ug/kg	09/25/06 04:16
11)	Endosulfan II	BQL	U	1.8	1	ug/kg	09/25/06 04:16
12)	Endosulfan Sulfate	BQL	U	1.8	1	ug/kg	09/25/06 04:16
13)	Endrin	BQL	U	1.8	1	ug/kg	09/25/06 04:16
14)	Gamma-BHC (Lindane)	BQL	U	1.8	1	ug/kg	09/25/06 04:16
15)	Heptachlor	BQL	U	1.8	1	ug/kg	09/25/06 04:16
16)	Heptachlor Epoxide	BQL	U	1.8	1	ug/kg	09/25/06 04:16
17)	Methoxychlor	BQL	U	1.8	1	ug/kg	09/25/06 04:16

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
18)	Decachlorobiphenyl	94 %	36 - 120	1	09/25/06 04:16
19)	Decachlorobiphenyl	98 %	36 - 120	1	09/25/06 04:16
20)	Tetrachloro-m-xylene	89 %	36 - 120	1	09/25/06 04:16
21)	Tetrachloro-m-xylene	91 %	36 - 120	1	09/25/06 04:16



# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-008	Lab Sample ID:	609092-008-009-1/1
Sample Date/Time:	09/18/2006 16:15	Percent Moisture:	10.06
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW5030B
Prepared Date/Time:	09/25/2006 08:22	Analytical Method:	SW8260B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	1,1,1-Trichloroethane	BQL	U	5.6	1	ug/kg	09/25/06	14:46
2)	1,1,2,2-Tetrachloroethane	BQL	U	5.6	1	ug/kg	09/25/06	14:46
3)	1,1,2-Trichloroethane	BQL	U	5.6	1	ug/kg	09/25/06	14:46
4)	1,1-Dichloroethane	BQL	U	5.6	1	ug/kg	09/25/06	14:46
5)	1,1-Dichloroethene	BQL	U	5.6	1	ug/kg	09/25/06	14:46
6)	1,2-Dichlorobenzene	BQL	U	5.6	1	ug/kg	09/25/06	14:46
7)	1,2-Dichloroethane	BQL	U	5.6	1	ug/kg	09/25/06	14:46
8)	1,3-Dichlorobenzene	BQL	U	5.6	1	ug/kg	09/25/06	14:46
9)	1,4-Dichlorobenzene	BQL	U	5.6	1	ug/kg	09/25/06	14:46
10)	2-Butanone	BQL	U	11	1	ug/kg	09/25/06	14:46
11)	4-Methyl-2-Pentanone	BQL	U	11	1	ug/kg	09/25/06	14:46
12)	Acetone	BQL	U	11	1	ug/kg	09/25/06	14:46
13)	<b>Benzene</b>	<b>6.7</b>		<b>5.6</b>	<b>1</b>	<b>ug/kg</b>	<b>09/25/06</b>	<b>14:46</b>
14)	Bromomethane	BQL	U	11	1	ug/kg	09/25/06	14:46
15)	<b>Carbon Disulfide</b>	<b>7.6</b>		<b>5.6</b>	<b>1</b>	<b>ug/kg</b>	<b>09/25/06</b>	<b>14:46</b>
16)	Carbon Tetrachloride	BQL	U	5.6	1	ug/kg	09/25/06	14:46
17)	Chlorobenzene	BQL	U	5.6	1	ug/kg	09/25/06	14:46
18)	Chloroethane	BQL	U	11	1	ug/kg	09/25/06	14:46
19)	Chloroform	3.3	J	5.6	1	ug/kg	09/25/06	14:46
20)	Chloromethane	BQL	U	11	1	ug/kg	09/25/06	14:46
21)	Dibromochloromethane	BQL	U	5.6	1	ug/kg	09/25/06	14:46
22)	<b>Ethylbenzene</b>	<b>7.5</b>		<b>5.6</b>	<b>1</b>	<b>ug/kg</b>	<b>09/25/06</b>	<b>14:46</b>
23)	Freon 113	BQL	U	5.6	1	ug/kg	09/25/06	14:46
24)	Methylene Chloride	BQL	U	11	1	ug/kg	09/25/06	14:46
25)	Styrene	BQL	U	5.6	1	ug/kg	09/25/06	14:46
26)	Tetrachloroethylene	BQL	U	5.6	1	ug/kg	09/25/06	14:46
27)	Toluene	2.6	J	5.6	1	ug/kg	09/25/06	14:46
28)	Trichloroethene	BQL	U	5.6	1	ug/kg	09/25/06	14:46

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-008	Lab Sample ID:	609092-008-009-1/1
Sample Date/Time:	09/18/2006 16:15	Percent Moisture:	10.06
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW5030B
Prepared Date/Time:	09/25/2006 08:22	Analytical Method:	SW8260B

29) Vinyl Chloride	BQL	U	11	1	ug/kg	09/25/06	14:46
30) <b>Xylenes, Total</b>	<b>35</b>		<b>5.6</b>	<b>1</b>	<b>ug/kg</b>	<b>09/25/06</b>	<b>14:46</b>
31) trans-1,2-dichloroethene	BQL	U	5.6	1	ug/kg	09/25/06	14:46

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
32)	1,2-Dichlorobenzene-d4	97 %	65 - 123	1	09/25/06 14:46
33)	1,2-Dichloroethane-d4	85 %	65 - 125	1	09/25/06 14:46
34)	4-Bromofluorobenzene	106 %	85 - 120	1	09/25/06 14:46
35)	Toluene-D8	89 %	85 - 115	1	09/25/06 14:46

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-008	Lab Sample ID:	609092-008-022-1/1
Sample Date/Time:	09/18/2006 16:15	Percent Moisture:	10.06
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3050B
Prepared Date/Time:	09/23/2006 00:00	Analytical Method:	SW6010B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	<b>Aluminum</b>	<b>15500</b>	<b>B</b>	<b>18.4</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:25</b>
2)	Antimony	BQL	UN	1.8	1	mg/kg	09/25/06	20:25
3)	<b>Arsenic</b>	<b>9.0</b>		<b>1.8</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:25</b>
4)	<b>Barium</b>	<b>79.3</b>	<b>N</b>	<b>0.46</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:25</b>
5)	<b>Beryllium</b>	<b>0.82</b>	<b>EB</b>	<b>0.18</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:25</b>
6)	Cadmium	0.26	JB	0.55	1	mg/kg	09/25/06	20:25
7)	<b>Calcium</b>	<b>26800</b>	<b>*</b>	<b>91.9</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:25</b>
8)	<b>Chromium</b>	<b>24.2</b>		<b>0.46</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:25</b>
9)	<b>Cobalt</b>	<b>17.3</b>	<b>B</b>	<b>0.46</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:25</b>
10)	<b>Copper</b>	<b>46.1</b>	<b>B</b>	<b>0.92</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:25</b>
11)	<b>Iron</b>	<b>34300</b>	<b>B</b>	<b>13.8</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:25</b>
12)	<b>Lead</b>	<b>16.9</b>		<b>0.92</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:25</b>
13)	<b>Magnesium</b>	<b>8910</b>	<b>B</b>	<b>23</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:25</b>
14)	<b>Manganese</b>	<b>724</b>	<b>B</b>	<b>0.46</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:25</b>
15)	<b>Nickel</b>	<b>38.0</b>		<b>0.92</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:25</b>
16)	<b>Potassium</b>	<b>2320</b>	<b>NB</b>	<b>23</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:25</b>
17)	Selenium	BQL	U	1.8	1	mg/kg	09/25/06	20:25
18)	Silver	BQL	U	0.46	1	mg/kg	09/25/06	20:25
19)	Thallium	1.3	J	2.8	1	mg/kg	09/25/06	20:25
20)	<b>Vanadium</b>	<b>26.9</b>	<b>B</b>	<b>0.92</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:25</b>
21)	<b>Zinc</b>	<b>97.9</b>		<b>1.8</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:25</b>

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-008	Lab Sample ID:	609092-008-022-1/1
Sample Date/Time:	09/18/2006 16:15	Percent Moisture:	10.06
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW7471_DIG
Prepared Date/Time:	09/22/2006 21:00	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Mercury	0.043		0.034	1	mg/kg	09/23/06 16:46

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-008	Lab Sample ID:	609092-008-022-1/1
Sample Date/Time:	09/18/2006 16:15	Percent Moisture:	10.06
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Percent Solids	90		1.0	1	%	09/22/06 15:27

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-008	Lab Sample ID:	609092-008-031-1/1
Sample Date/Time:	09/18/2006 16:15	Percent Moisture:	10.06
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 13:02	Analytical Method:	SW8270C

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	2,4,5-Trichlorophenol	BQL	U	370	1	ug/kg	09/25/06 21:06
2)	2,4-Dichlorophenol	BQL	U	370	1	ug/kg	09/25/06 21:06
3)	2,4-Dinitrophenol	BQL	U	740	1	ug/kg	09/25/06 21:06
4)	2,6-Dinitrotoluene	BQL	U	370	1	ug/kg	09/25/06 21:06
5)	2-Chlorophenol	BQL	U	370	1	ug/kg	09/25/06 21:06
6)	2-Methylnaphthalene	BQL	U	370	1	ug/kg	09/25/06 21:06
7)	2-Nitroaniline	BQL	U	370	1	ug/kg	09/25/06 21:06
8)	2-Nitrophenol	BQL	U	370	1	ug/kg	09/25/06 21:06
9)	2-methylphenol	BQL	U	370	1	ug/kg	09/25/06 21:06
10)	3,3-Dichlorobenzidine	BQL	U	740	1	ug/kg	09/25/06 21:06
11)	3-Nitroaniline	BQL	U	370	1	ug/kg	09/25/06 21:06
12)	4-Chloroaniline	BQL	U	370	1	ug/kg	09/25/06 21:06
13)	4-Nitroaniline	BQL	U	370	1	ug/kg	09/25/06 21:06
14)	4-Nitrophenol	BQL	U	740	1	ug/kg	09/25/06 21:06
15)	4-chloro-3-methylphenol	BQL	U	370	1	ug/kg	09/25/06 21:06
16)	4-methylphenol	BQL	U	370	1	ug/kg	09/25/06 21:06
17)	Acenaphthene	BQL	U	370	1	ug/kg	09/25/06 21:06
18)	Acenaphthylene	BQL	U	370	1	ug/kg	09/25/06 21:06
19)	Aniline (Phenylamine, Aminobenzene)	BQL	U	370	1	ug/kg	09/25/06 21:06
20)	Anthracene	BQL	U	370	1	ug/kg	09/25/06 21:06
21)	Benzo(a)anthracene	BQL	U	370	1	ug/kg	09/25/06 21:06
22)	Benzo(a)pyrene	BQL	U	370	1	ug/kg	09/25/06 21:06
23)	Benzo(b)fluoranthene	BQL	U	370	1	ug/kg	09/25/06 21:06
24)	Benzo(g,h,i)perylene	BQL	U	370	1	ug/kg	09/25/06 21:06
25)	Benzo(k)fluoranthene	BQL	U	370	1	ug/kg	09/25/06 21:06
26)	Benzoic Acid	BQL	U	740	1	ug/kg	09/25/06 21:06
27)	Benzyl Butyl Phthalate	BQL	U	370	1	ug/kg	09/25/06 21:06
28)	Chrysene	BQL	U	370	1	ug/kg	09/25/06 21:06

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-008	Lab Sample ID:	609092-008-031-1/1
Sample Date/Time:	09/18/2006 16:15	Percent Moisture:	10.06
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 13:02	Analytical Method:	SW8270C

29) Dibenz(a,h)Anthracene	BQL U	370	1	ug/kg	09/25/06	21:06
30) Dibenzofuran	BQL U	370	1	ug/kg	09/25/06	21:06
31) Diethyl Phthalate	BQL U	370	1	ug/kg	09/25/06	21:06
32) Dimethyl Phthalate	BQL U	370	1	ug/kg	09/25/06	21:06
33) Fluoranthene	BQL U	370	1	ug/kg	09/25/06	21:06
34) Fluorene	BQL U	370	1	ug/kg	09/25/06	21:06
35) Hexachlorobenzene	BQL U	370	1	ug/kg	09/25/06	21:06
36) Indeno(1,2,3-c,d)Pyrene	BQL U	370	1	ug/kg	09/25/06	21:06
37) Isophorone	BQL U	370	1	ug/kg	09/25/06	21:06
38) Naphthalene	BQL U	370	1	ug/kg	09/25/06	21:06
39) Nitrobenzene	BQL U	370	1	ug/kg	09/25/06	21:06
40) Pentachlorophenol	BQL U	740	1	ug/kg	09/25/06	21:06
41) Phenanthrene	BQL U	370	1	ug/kg	09/25/06	21:06
42) Phenol	BQL U	370	1	ug/kg	09/25/06	21:06
43) Pyrene	BQL U	370	1	ug/kg	09/25/06	21:06
44) bis(2-ethylhexyl) phthalate	37 J	370	1	ug/kg	09/25/06	21:06
45) di-n-Butyl Phthalate	86 J	370	1	ug/kg	09/25/06	21:06
46) di-n-Octyl Phthalate	BQL U	370	1	ug/kg	09/25/06	21:06

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
47)	2,4,6-Tribromophenol	100 %	35 - 125	1	09/25/06 21:06
48)	2-Fluorobiphenyl	77 %	45 - 105	1	09/25/06 21:06
49)	2-Fluorophenol	68 %	35 - 105	1	09/25/06 21:06
50)	Nitrobenzene-d5	70 %	35 - 100	1	09/25/06 21:06
51)	Phenol-d5	71 %	40 - 100	1	09/25/06 21:06
52)	p-Terphenyl-d14	101 %	30 - 125	1	09/25/06 21:06

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-008	Lab Sample ID:	609092-008-031-1/1
Sample Date/Time:	09/18/2006 16:15	Percent Moisture:	10.06
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 00:00	Analytical Method:	SW8081A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	4,4-DDD	0.39	J	1.9	1	ug/kg	09/25/06	04:46
2)	4,4-DDE	BQL	U	1.9	1	ug/kg	09/25/06	04:46
3)	4,4-DDT	BQL	U	1.9	1	ug/kg	09/25/06	04:46
4)	Aldrin	BQL	U	1.9	1	ug/kg	09/25/06	04:46
5)	Alpha-BHC	BQL	U	1.9	1	ug/kg	09/25/06	04:46
6)	Beta-BHC	BQL	U	1.9	1	ug/kg	09/25/06	04:46
7)	Chlordane	BQL	U	37	1	ug/kg	09/25/06	04:46
8)	Delta-BHC	BQL	U	1.9	1	ug/kg	09/25/06	04:46
9)	Dieldrin	BQL	U	1.9	1	ug/kg	09/25/06	04:46
10)	Endosulfan I	BQL	U	1.9	1	ug/kg	09/25/06	04:46
11)	Endosulfan II	BQL	U	1.9	1	ug/kg	09/25/06	04:46
12)	Endosulfan Sulfate	BQL	U	1.9	1	ug/kg	09/25/06	04:46
13)	Endrin	BQL	U	1.9	1	ug/kg	09/25/06	04:46
14)	Gamma-BHC (Lindane)	BQL	U	1.9	1	ug/kg	09/25/06	04:46
15)	Heptachlor	BQL	U	1.9	1	ug/kg	09/25/06	04:46
16)	Heptachlor Epoxide	BQL	U	1.9	1	ug/kg	09/25/06	04:46
17)	Methoxychlor	BQL	U	1.9	1	ug/kg	09/25/06	04:46

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
18)	Decachlorobiphenyl	92 %	36 - 120	1	09/25/06	04:46
19)	Decachlorobiphenyl	89 %	36 - 120	1	09/25/06	04:46
20)	Tetrachloro-m-xylene	83 %	36 - 120	1	09/25/06	04:46
21)	Tetrachloro-m-xylene	86 %	36 - 120	1	09/25/06	04:46



# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-009	Lab Sample ID:	609092-009-010-1/1
Sample Date/Time:	09/18/2006 16:20	Percent Moisture:	10.35
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW5030B
Prepared Date/Time:	09/25/2006 08:22	Analytical Method:	SW8260B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	1,1,1-Trichloroethane	BQL	U	5.6	1	ug/kg	09/25/06 15:22
2)	1,1,2,2-Tetrachloroethane	BQL	U	5.6	1	ug/kg	09/25/06 15:22
3)	1,1,2-Trichloroethane	BQL	U	5.6	1	ug/kg	09/25/06 15:22
4)	1,1-Dichloroethane	BQL	U	5.6	1	ug/kg	09/25/06 15:22
5)	1,1-Dichloroethene	BQL	U	5.6	1	ug/kg	09/25/06 15:22
6)	1,2-Dichlorobenzene	BQL	U	5.6	1	ug/kg	09/25/06 15:22
7)	1,2-Dichloroethane	BQL	U	5.6	1	ug/kg	09/25/06 15:22
8)	1,3-Dichlorobenzene	BQL	U	5.6	1	ug/kg	09/25/06 15:22
9)	1,4-Dichlorobenzene	BQL	U	5.6	1	ug/kg	09/25/06 15:22
10)	2-Butanone	BQL	U	11	1	ug/kg	09/25/06 15:22
11)	4-Methyl-2-Pentanone	BQL	U	11	1	ug/kg	09/25/06 15:22
12)	Acetone	BQL	U	11	1	ug/kg	09/25/06 15:22
13)	<b>Benzene</b>	<b>9.6</b>		<b>5.6</b>	<b>1</b>	<b>ug/kg</b>	<b>09/25/06 15:22</b>
14)	Bromomethane	BQL	U	11	1	ug/kg	09/25/06 15:22
15)	Carbon Disulfide	BQL	U	5.6	1	ug/kg	09/25/06 15:22
16)	Carbon Tetrachloride	BQL	U	5.6	1	ug/kg	09/25/06 15:22
17)	Chlorobenzene	BQL	U	5.6	1	ug/kg	09/25/06 15:22
18)	Chloroethane	BQL	U	11	1	ug/kg	09/25/06 15:22
19)	Chloroform	3.8	J	5.6	1	ug/kg	09/25/06 15:22
20)	Chloromethane	BQL	U	11	1	ug/kg	09/25/06 15:22
21)	Dibromochloromethane	BQL	U	5.6	1	ug/kg	09/25/06 15:22
22)	<b>Ethylbenzene</b>	<b>7.5</b>		<b>5.6</b>	<b>1</b>	<b>ug/kg</b>	<b>09/25/06 15:22</b>
23)	Freon 113	BQL	U	5.6	1	ug/kg	09/25/06 15:22
24)	Methylene Chloride	BQL	U	11	1	ug/kg	09/25/06 15:22
25)	Styrene	BQL	U	5.6	1	ug/kg	09/25/06 15:22
26)	Tetrachloroethylene	BQL	U	5.6	1	ug/kg	09/25/06 15:22
27)	Toluene	4.7	J	5.6	1	ug/kg	09/25/06 15:22
28)	Trichloroethene	BQL	U	5.6	1	ug/kg	09/25/06 15:22

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-009	Lab Sample ID:	609092-009-010-1/1
Sample Date/Time:	09/18/2006 16:20	Percent Moisture:	10.35
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW5030B
Prepared Date/Time:	09/25/2006 08:22	Analytical Method:	SW8260B

29) Vinyl Chloride	BQL U	11	1	ug/kg	09/25/06	15:22
30) <b>Xylenes, Total</b>	<b>38</b>	<b>5.6</b>	<b>1</b>	<b>ug/kg</b>	<b>09/25/06</b>	<b>15:22</b>
31) trans-1,2-dichloroethene	BQL U	5.6	1	ug/kg	09/25/06	15:22

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
32)	1,2-Dichlorobenzene-d4	103 %	65 - 123	1	09/25/06 15:22
33)	1,2-Dichloroethane-d4	85 %	65 - 125	1	09/25/06 15:22
34)	4-Bromofluorobenzene	106 %	85 - 120	1	09/25/06 15:22
35)	Toluene-D8	90 %	85 - 115	1	09/25/06 15:22

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-009	Lab Sample ID:	609092-009-023-1/1
Sample Date/Time:	09/18/2006 16:20	Percent Moisture:	10.35
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3050B
Prepared Date/Time:	09/23/2006 00:00	Analytical Method:	SW6010B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	<b>Aluminum</b>	<b>15200</b>	<b>B</b>	<b>18.3</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:34</b>
2)	Antimony	0.25	JN	1.8	1	mg/kg	09/25/06	20:34
3)	<b>Arsenic</b>	<b>9.2</b>		<b>1.8</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:34</b>
4)	<b>Barium</b>	<b>76.4</b>	<b>N</b>	<b>0.46</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:34</b>
5)	<b>Beryllium</b>	<b>0.81</b>	<b>EB</b>	<b>0.18</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:34</b>
6)	Cadmium	0.31	JB	0.55	1	mg/kg	09/25/06	20:34
7)	<b>Calcium</b>	<b>25500</b>	<b>*</b>	<b>91.4</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:34</b>
8)	<b>Chromium</b>	<b>23.7</b>		<b>0.46</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:34</b>
9)	<b>Cobalt</b>	<b>15.2</b>	<b>B</b>	<b>0.46</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:34</b>
10)	<b>Copper</b>	<b>47.3</b>	<b>B</b>	<b>0.91</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:34</b>
11)	<b>Iron</b>	<b>34500</b>	<b>B</b>	<b>13.7</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:34</b>
12)	<b>Lead</b>	<b>15.9</b>		<b>0.91</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:34</b>
13)	<b>Magnesium</b>	<b>9190</b>	<b>B</b>	<b>22.9</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:34</b>
14)	<b>Manganese</b>	<b>648</b>	<b>B</b>	<b>0.46</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:34</b>
15)	<b>Nickel</b>	<b>36.1</b>		<b>0.91</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:34</b>
16)	<b>Potassium</b>	<b>2240</b>	<b>NB</b>	<b>22.9</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:34</b>
17)	Selenium	BQL	U	1.8	1	mg/kg	09/25/06	20:34
18)	Silver	BQL	U	0.46	1	mg/kg	09/25/06	20:34
19)	Thallium	2.0	J	2.7	1	mg/kg	09/25/06	20:34
20)	<b>Vanadium</b>	<b>26.4</b>	<b>B</b>	<b>0.91</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:34</b>
21)	<b>Zinc</b>	<b>100</b>		<b>1.8</b>	<b>1</b>	<b>mg/kg</b>	<b>09/25/06</b>	<b>20:34</b>

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-009	Lab Sample ID:	609092-009-023-1/1
Sample Date/Time:	09/18/2006 16:20	Percent Moisture:	10.35
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW7471_DIG
Prepared Date/Time:	09/22/2006 21:00	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Mercury	0.032	J	0.036	1	mg/kg	09/23/06 16:48

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-009	Lab Sample ID:	609092-009-023-1/1
Sample Date/Time:	09/18/2006 16:20	Percent Moisture:	10.35
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Percent Solids	90		1.0	1	%	09/22/06 15:27

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-009	Lab Sample ID:	609092-009-032-1/1
Sample Date/Time:	09/18/2006 16:20	Percent Moisture:	10.35
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 13:02	Analytical Method:	SW8270C

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	2,4,5-Trichlorophenol	BQL	U	370	1	ug/kg	09/25/06 21:49
2)	2,4-Dichlorophenol	BQL	U	370	1	ug/kg	09/25/06 21:49
3)	2,4-Dinitrophenol	BQL	U	740	1	ug/kg	09/25/06 21:49
4)	2,6-Dinitrotoluene	BQL	U	370	1	ug/kg	09/25/06 21:49
5)	2-Chlorophenol	BQL	U	370	1	ug/kg	09/25/06 21:49
6)	2-Methylnaphthalene	BQL	U	370	1	ug/kg	09/25/06 21:49
7)	2-Nitroaniline	BQL	U	370	1	ug/kg	09/25/06 21:49
8)	2-Nitrophenol	BQL	U	370	1	ug/kg	09/25/06 21:49
9)	2-methylphenol	BQL	U	370	1	ug/kg	09/25/06 21:49
10)	3,3-Dichlorobenzidine	BQL	U	740	1	ug/kg	09/25/06 21:49
11)	3-Nitroaniline	BQL	U	370	1	ug/kg	09/25/06 21:49
12)	4-Chloroaniline	BQL	U	370	1	ug/kg	09/25/06 21:49
13)	4-Nitroaniline	BQL	U	370	1	ug/kg	09/25/06 21:49
14)	4-Nitrophenol	BQL	U	740	1	ug/kg	09/25/06 21:49
15)	4-chloro-3-methylphenol	BQL	U	370	1	ug/kg	09/25/06 21:49
16)	4-methylphenol	BQL	U	370	1	ug/kg	09/25/06 21:49
17)	Acenaphthene	BQL	U	370	1	ug/kg	09/25/06 21:49
18)	Acenaphthylene	BQL	U	370	1	ug/kg	09/25/06 21:49
19)	Aniline (Phenylamine, Aminobenzene)	BQL	U	370	1	ug/kg	09/25/06 21:49
20)	Anthracene	BQL	U	370	1	ug/kg	09/25/06 21:49
21)	Benzo(a)anthracene	BQL	U	370	1	ug/kg	09/25/06 21:49
22)	Benzo(a)pyrene	BQL	U	370	1	ug/kg	09/25/06 21:49
23)	Benzo(b)fluoranthene	BQL	U	370	1	ug/kg	09/25/06 21:49
24)	Benzo(g,h,i)perylene	BQL	U	370	1	ug/kg	09/25/06 21:49
25)	Benzo(k)fluoranthene	BQL	U	370	1	ug/kg	09/25/06 21:49
26)	Benzoic Acid	BQL	U	740	1	ug/kg	09/25/06 21:49
27)	Benzyl Butyl Phthalate	BQL	U	370	1	ug/kg	09/25/06 21:49
28)	Chrysene	BQL	U	370	1	ug/kg	09/25/06 21:49

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-009	Lab Sample ID:	609092-009-032-1/1
Sample Date/Time:	09/18/2006 16:20	Percent Moisture:	10.35
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 13:02	Analytical Method:	SW8270C

29) Dibenz(a,h)Anthracene	BQL U	370	1	ug/kg	09/25/06	21:49
30) Dibenzofuran	BQL U	370	1	ug/kg	09/25/06	21:49
31) Diethyl Phthalate	BQL U	370	1	ug/kg	09/25/06	21:49
32) Dimethyl Phthalate	BQL U	370	1	ug/kg	09/25/06	21:49
33) Fluoranthene	BQL U	370	1	ug/kg	09/25/06	21:49
34) Fluorene	BQL U	370	1	ug/kg	09/25/06	21:49
35) Hexachlorobenzene	BQL U	370	1	ug/kg	09/25/06	21:49
36) Indeno(1,2,3-c,d)Pyrene	BQL U	370	1	ug/kg	09/25/06	21:49
37) Isophorone	BQL U	370	1	ug/kg	09/25/06	21:49
38) Naphthalene	BQL U	370	1	ug/kg	09/25/06	21:49
39) Nitrobenzene	BQL U	370	1	ug/kg	09/25/06	21:49
40) Pentachlorophenol	BQL U	740	1	ug/kg	09/25/06	21:49
41) Phenanthrene	BQL U	370	1	ug/kg	09/25/06	21:49
42) Phenol	BQL U	370	1	ug/kg	09/25/06	21:49
43) Pyrene	BQL U	370	1	ug/kg	09/25/06	21:49
44) bis(2-ethylhexyl) phthalate	BQL U	370	1	ug/kg	09/25/06	21:49
45) di-n-Butyl Phthalate	260 J	370	1	ug/kg	09/25/06	21:49
46) di-n-Octyl Phthalate	BQL U	370	1	ug/kg	09/25/06	21:49

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
47)	2,4,6-Tribromophenol	99 %	35 - 125	1	09/25/06 21:49
48)	2-Fluorobiphenyl	79 %	45 - 105	1	09/25/06 21:49
49)	2-Fluorophenol	69 %	35 - 105	1	09/25/06 21:49
50)	Nitrobenzene-d5	71 %	35 - 100	1	09/25/06 21:49
51)	Phenol-d5	71 %	40 - 100	1	09/25/06 21:49
52)	p-Terphenyl-d14	105 %	30 - 125	1	09/25/06 21:49

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-009	Lab Sample ID:	609092-009-032-1/1
Sample Date/Time:	09/18/2006 16:20	Percent Moisture:	10.35
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 00:00	Analytical Method:	SW8081A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	4,4-DDD	BQL	U	1.9	1	ug/kg	09/25/06	05:16
2)	4,4-DDE	BQL	U	1.9	1	ug/kg	09/25/06	05:16
3)	4,4-DDT	BQL	U	1.9	1	ug/kg	09/25/06	05:16
4)	Aldrin	BQL	U	1.9	1	ug/kg	09/25/06	05:16
5)	Alpha-BHC	BQL	U	1.9	1	ug/kg	09/25/06	05:16
6)	Beta-BHC	BQL	U	1.9	1	ug/kg	09/25/06	05:16
7)	Chlordane	BQL	U	37	1	ug/kg	09/25/06	05:16
8)	Delta-BHC	BQL	U	1.9	1	ug/kg	09/25/06	05:16
9)	Dieldrin	BQL	U	1.9	1	ug/kg	09/25/06	05:16
10)	Endosulfan I	BQL	U	1.9	1	ug/kg	09/25/06	05:16
11)	Endosulfan II	BQL	U	1.9	1	ug/kg	09/25/06	05:16
12)	Endosulfan Sulfate	BQL	U	1.9	1	ug/kg	09/25/06	05:16
13)	Endrin	BQL	U	1.9	1	ug/kg	09/25/06	05:16
14)	Gamma-BHC (Lindane)	BQL	U	1.9	1	ug/kg	09/25/06	05:16
15)	Heptachlor	BQL	U	1.9	1	ug/kg	09/25/06	05:16
16)	Heptachlor Epoxide	BQL	U	1.9	1	ug/kg	09/25/06	05:16
17)	Methoxychlor	BQL	U	1.9	1	ug/kg	09/25/06	05:16

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
18)	Decachlorobiphenyl	105 %	36 - 120	1	09/25/06	05:16
19)	Decachlorobiphenyl	100 %	36 - 120	1	09/25/06	05:16
20)	Tetrachloro-m-xylene	97 %	36 - 120	1	09/25/06	05:16
21)	Tetrachloro-m-xylene	89 %	36 - 120	1	09/25/06	05:16



# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-010	Lab Sample ID:	609092-010-011-1/1
Sample Date/Time:	09/18/2006 16:40	Percent Moisture:	11.76
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW5030B
Prepared Date/Time:	09/25/2006 08:22	Analytical Method:	SW8260B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	1,1,1-Trichloroethane	BQL	U	5.7	1	ug/kg	09/25/06 15:59
2)	1,1,2,2-Tetrachloroethane	BQL	U	5.7	1	ug/kg	09/25/06 15:59
3)	1,1,2-Trichloroethane	BQL	U	5.7	1	ug/kg	09/25/06 15:59
4)	1,1-Dichloroethane	BQL	U	5.7	1	ug/kg	09/25/06 15:59
5)	1,1-Dichloroethene	BQL	U	5.7	1	ug/kg	09/25/06 15:59
6)	1,2-Dichlorobenzene	BQL	U	5.7	1	ug/kg	09/25/06 15:59
7)	1,2-Dichloroethane	BQL	U	5.7	1	ug/kg	09/25/06 15:59
8)	1,3-Dichlorobenzene	BQL	U	5.7	1	ug/kg	09/25/06 15:59
9)	1,4-Dichlorobenzene	BQL	U	5.7	1	ug/kg	09/25/06 15:59
10)	2-Butanone	BQL	U	11	1	ug/kg	09/25/06 15:59
11)	4-Methyl-2-Pentanone	BQL	U	11	1	ug/kg	09/25/06 15:59
12)	Acetone	BQL	U	11	1	ug/kg	09/25/06 15:59
13)	Benzene	BQL	U	5.7	1	ug/kg	09/25/06 15:59
14)	Bromomethane	BQL	U	11	1	ug/kg	09/25/06 15:59
15)	Carbon Disulfide	BQL	U	5.7	1	ug/kg	09/25/06 15:59
16)	Carbon Tetrachloride	BQL	U	5.7	1	ug/kg	09/25/06 15:59
17)	Chlorobenzene	BQL	U	5.7	1	ug/kg	09/25/06 15:59
18)	Chloroethane	BQL	U	11	1	ug/kg	09/25/06 15:59
19)	Chloroform	4.1	J	5.7	1	ug/kg	09/25/06 15:59
20)	Chloromethane	BQL	U	11	1	ug/kg	09/25/06 15:59
21)	Dibromochloromethane	BQL	U	5.7	1	ug/kg	09/25/06 15:59
22)	Ethylbenzene	BQL	U	5.7	1	ug/kg	09/25/06 15:59
23)	Freon 113	BQL	U	5.7	1	ug/kg	09/25/06 15:59
24)	Methylene Chloride	BQL	U	11	1	ug/kg	09/25/06 15:59
25)	Styrene	BQL	U	5.7	1	ug/kg	09/25/06 15:59
26)	Tetrachloroethylene	BQL	U	5.7	1	ug/kg	09/25/06 15:59
27)	Toluene	BQL	U	5.7	1	ug/kg	09/25/06 15:59
28)	Trichloroethene	BQL	U	5.7	1	ug/kg	09/25/06 15:59

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-010	Lab Sample ID:	609092-010-011-1/1
Sample Date/Time:	09/18/2006 16:40	Percent Moisture:	11.76
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW5030B
Prepared Date/Time:	09/25/2006 08:22	Analytical Method:	SW8260B

29) Vinyl Chloride	BQL	U	11	1	ug/kg	09/25/06	15:59
30) Xylenes, Total	BQL	U	5.7	1	ug/kg	09/25/06	15:59
31) trans-1,2-dichloroethene	BQL	U	5.7	1	ug/kg	09/25/06	15:59

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
32) 1,2-Dichlorobenzene-d4	99 %	65 - 123	1	09/25/06 15:59
33) 1,2-Dichloroethane-d4	91 %	65 - 125	1	09/25/06 15:59
34) 4-Bromofluorobenzene	110 %	85 - 120	1	09/25/06 15:59
35) Toluene-D8	91 %	85 - 115	1	09/25/06 15:59

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-010	Lab Sample ID:	609092-010-024-1/1
Sample Date/Time:	09/18/2006 16:40	Percent Moisture:	11.76
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3050B
Prepared Date/Time:	09/23/2006 00:00	Analytical Method:	SW6010B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Aluminum	16100	B	19.4	1	mg/kg	09/25/06	20:42
2)	Antimony	BQL	UN	1.9	1	mg/kg	09/25/06	20:42
3)	Arsenic	8.2		1.9	1	mg/kg	09/25/06	20:42
4)	Barium	73.0	N	0.48	1	mg/kg	09/25/06	20:42
5)	Beryllium	0.80	EB	0.19	1	mg/kg	09/25/06	20:42
6)	Cadmium	0.17	JB	0.58	1	mg/kg	09/25/06	20:42
7)	Calcium	8970	*	96.9	1	mg/kg	09/25/06	20:42
8)	Chromium	22.9		0.48	1	mg/kg	09/25/06	20:42
9)	Cobalt	15.1	B	0.48	1	mg/kg	09/25/06	20:42
10)	Copper	36.3	B	0.97	1	mg/kg	09/25/06	20:42
11)	Iron	33200	B	14.5	1	mg/kg	09/25/06	20:42
12)	Lead	19.0		0.97	1	mg/kg	09/25/06	20:42
13)	Magnesium	6730	B	24.2	1	mg/kg	09/25/06	20:42
14)	Manganese	688	B	0.48	1	mg/kg	09/25/06	20:42
15)	Nickel	32.3		0.97	1	mg/kg	09/25/06	20:42
16)	Potassium	1810	NB	24.2	1	mg/kg	09/25/06	20:42
17)	Selenium	BQL	U	1.9	1	mg/kg	09/25/06	20:42
18)	Silver	BQL	U	0.48	1	mg/kg	09/25/06	20:42
19)	Thallium	1.0	J	2.9	1	mg/kg	09/25/06	20:42
20)	Vanadium	28.1	B	0.97	1	mg/kg	09/25/06	20:42
21)	Zinc	86.8		1.9	1	mg/kg	09/25/06	20:42

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-010	Lab Sample ID:	609092-010-024-1/1
Sample Date/Time:	09/18/2006 16:40	Percent Moisture:	11.76
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW7471_DIG
Prepared Date/Time:	09/22/2006 21:00	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Mercury	0.028	J	0.034	1	mg/kg	09/23/06 16:51

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-010	Lab Sample ID:	609092-010-024-1/1
Sample Date/Time:	09/18/2006 16:40	Percent Moisture:	11.76
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Percent Solids	88		1.0	1	%	09/22/06 15:27

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-010	Lab Sample ID:	609092-010-033-1/1
Sample Date/Time:	09/18/2006 16:40	Percent Moisture:	11.76
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 13:02	Analytical Method:	SW8270C

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	2,4,5-Trichlorophenol	BQL	U	380	1	ug/kg	09/25/06 22:31
2)	2,4-Dichlorophenol	BQL	U	380	1	ug/kg	09/25/06 22:31
3)	2,4-Dinitrophenol	BQL	U	760	1	ug/kg	09/25/06 22:31
4)	2,6-Dinitrotoluene	BQL	U	380	1	ug/kg	09/25/06 22:31
5)	2-Chlorophenol	BQL	U	380	1	ug/kg	09/25/06 22:31
6)	2-Methylnaphthalene	BQL	U	380	1	ug/kg	09/25/06 22:31
7)	2-Nitroaniline	BQL	U	380	1	ug/kg	09/25/06 22:31
8)	2-Nitrophenol	BQL	U	380	1	ug/kg	09/25/06 22:31
9)	2-methylphenol	BQL	U	380	1	ug/kg	09/25/06 22:31
10)	3,3-Dichlorobenzidine	BQL	U	760	1	ug/kg	09/25/06 22:31
11)	3-Nitroaniline	BQL	U	380	1	ug/kg	09/25/06 22:31
12)	4-Chloroaniline	BQL	U	380	1	ug/kg	09/25/06 22:31
13)	4-Nitroaniline	BQL	U	380	1	ug/kg	09/25/06 22:31
14)	4-Nitrophenol	BQL	U	760	1	ug/kg	09/25/06 22:31
15)	4-chloro-3-methylphenol	BQL	U	380	1	ug/kg	09/25/06 22:31
16)	4-methylphenol	BQL	U	380	1	ug/kg	09/25/06 22:31
17)	Acenaphthene	BQL	U	380	1	ug/kg	09/25/06 22:31
18)	Acenaphthylene	BQL	U	380	1	ug/kg	09/25/06 22:31
19)	Aniline (Phenylamine, Aminobenzene)	BQL	U	380	1	ug/kg	09/25/06 22:31
20)	Anthracene	BQL	U	380	1	ug/kg	09/25/06 22:31
21)	Benzo(a)anthracene	BQL	U	380	1	ug/kg	09/25/06 22:31
22)	Benzo(a)pyrene	BQL	U	380	1	ug/kg	09/25/06 22:31
23)	Benzo(b)fluoranthene	BQL	U	380	1	ug/kg	09/25/06 22:31
24)	Benzo(g,h,i)perylene	BQL	U	380	1	ug/kg	09/25/06 22:31
25)	Benzo(k)fluoranthene	BQL	U	380	1	ug/kg	09/25/06 22:31
26)	Benzoic Acid	BQL	U	760	1	ug/kg	09/25/06 22:31
27)	Benzyl Butyl Phthalate	BQL	U	380	1	ug/kg	09/25/06 22:31
28)	Chrysene	BQL	U	380	1	ug/kg	09/25/06 22:31

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-010	Lab Sample ID:	609092-010-033-1/1
Sample Date/Time:	09/18/2006 16:40	Percent Moisture:	11.76
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 13:02	Analytical Method:	SW8270C

29) Dibenz(a,h)Anthracene	BQL U	380	1	ug/kg	09/25/06	22:31
30) Dibenzofuran	BQL U	380	1	ug/kg	09/25/06	22:31
31) Diethyl Phthalate	BQL U	380	1	ug/kg	09/25/06	22:31
32) Dimethyl Phthalate	BQL U	380	1	ug/kg	09/25/06	22:31
33) Fluoranthene	BQL U	380	1	ug/kg	09/25/06	22:31
34) Fluorene	BQL U	380	1	ug/kg	09/25/06	22:31
35) Hexachlorobenzene	BQL U	380	1	ug/kg	09/25/06	22:31
36) Indeno(1,2,3-c,d)Pyrene	BQL U	380	1	ug/kg	09/25/06	22:31
37) Isophorone	BQL U	380	1	ug/kg	09/25/06	22:31
38) Naphthalene	BQL U	380	1	ug/kg	09/25/06	22:31
39) Nitrobenzene	BQL U	380	1	ug/kg	09/25/06	22:31
40) Pentachlorophenol	BQL U	760	1	ug/kg	09/25/06	22:31
41) Phenanthrene	BQL U	380	1	ug/kg	09/25/06	22:31
42) Phenol	BQL U	380	1	ug/kg	09/25/06	22:31
43) Pyrene	BQL U	380	1	ug/kg	09/25/06	22:31
44) bis(2-ethylhexyl) phthalate	BQL U	380	1	ug/kg	09/25/06	22:31
45) di-n-Butyl Phthalate	140 J	380	1	ug/kg	09/25/06	22:31
46) di-n-Octyl Phthalate	BQL U	380	1	ug/kg	09/25/06	22:31

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
47) 2,4,6-Tribromophenol	106 %	35 - 125	1	09/25/06 22:31
48) 2-Fluorobiphenyl	85 %	45 - 105	1	09/25/06 22:31
49) 2-Fluorophenol	74 %	35 - 105	1	09/25/06 22:31
50) Nitrobenzene-d5	75 %	35 - 100	1	09/25/06 22:31
51) Phenol-d5	76 %	40 - 100	1	09/25/06 22:31
52) p-Terphenyl-d14	118 %	30 - 125	1	09/25/06 22:31

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-010	Lab Sample ID:	609092-010-033-1/1
Sample Date/Time:	09/18/2006 16:40	Percent Moisture:	11.76
Receipt Date/Time:	09/19/2006 14:12	Preparation Method:	SW3550
Prepared Date/Time:	09/22/2006 00:00	Analytical Method:	SW8081A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	4,4-DDD	BQL	U	1.9	1	ug/kg	09/25/06 05:45
2)	4,4-DDE	BQL	U	1.9	1	ug/kg	09/25/06 05:45
3)	4,4-DDT	BQL	U	1.9	1	ug/kg	09/25/06 05:45
4)	Aldrin	BQL	U	1.9	1	ug/kg	09/25/06 05:45
5)	Alpha-BHC	BQL	U	1.9	1	ug/kg	09/25/06 05:45
6)	Beta-BHC	BQL	U	1.9	1	ug/kg	09/25/06 05:45
7)	Chlordane	BQL	U	38	1	ug/kg	09/25/06 05:45
8)	Delta-BHC	BQL	U	1.9	1	ug/kg	09/25/06 05:45
9)	Dieldrin	BQL	U	1.9	1	ug/kg	09/25/06 05:45
10)	Endosulfan I	BQL	U	1.9	1	ug/kg	09/25/06 05:45
11)	Endosulfan II	BQL	U	1.9	1	ug/kg	09/25/06 05:45
12)	Endosulfan Sulfate	BQL	U	1.9	1	ug/kg	09/25/06 05:45
13)	Endrin	BQL	U	1.9	1	ug/kg	09/25/06 05:45
14)	Gamma-BHC (Lindane)	BQL	U	1.9	1	ug/kg	09/25/06 05:45
15)	Heptachlor	BQL	U	1.9	1	ug/kg	09/25/06 05:45
16)	Heptachlor Epoxide	BQL	U	1.9	1	ug/kg	09/25/06 05:45
17)	Methoxychlor	BQL	U	1.9	1	ug/kg	09/25/06 05:45

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
18)	Decachlorobiphenyl	77 %	36 - 120	1	09/25/06 05:45
19)	Decachlorobiphenyl	81 %	36 - 120	1	09/25/06 05:45
20)	Tetrachloro-m-xylene	75 %	36 - 120	1	09/25/06 05:45
21)	Tetrachloro-m-xylene	77 %	36 - 120	1	09/25/06 05:45



# GPL Laboratories, LLLP

## Qualifier Definitions

Shaw E&I, Inc

Work Order: 609092

### All Departments

U Indicates that the compound was analyzed for but not detected

BQL Below Quantitation Limit

### Organics

B Indicates that the analyte was found in the associated blank as well as in the sample

D Indicates that the analyte was reported from a diluted analysis

E Indicates that the concentration detected exceeded the calibration range of the instrument

J Value is less than the reporting limit but greater than the MDL

P Indicates that there is greater than 25% difference for detected pesticide/Arochlor results between the two GC columns

### Metals

J Indicates that the reported value was less than the reporting limit but greater than or equal to the IDL/MDL

E Indicates that the reported value is estimated because of the possible presence of interference (i.e. the serial dilution not within control limits)

H Indicates that the element was found in the associated blank as well as in the sample and the value is greater than or equal to the reporting limit

D Indicates that the analyte was reported from a diluted analysis

N Spiked sample recovery not within control limits

\* Duplicate analysis not within control limits

# GPL Laboratories, LLLP

Chain of Custody

Shaw E&I, Inc

SDG: 609092

GPL LABORATORIES, LLLP

7210A Corporate Court  
Frederick, MD 21703  
(301) 694-5310  
Fax: (301) 620-0731

Project: <u>Schubert Hwy Depot AGE #5</u>		Turnaround Time		Lab Cooler No.		Client Comments	
Client	Shaw E&I, Inc	1 of 2	2 of 2	1 of 2	2 of 2	1 of 2	2 of 2
Send Results To	Gen. Gallella	Out-time	100%	Out-time	100%	Out-time	100%
Address	10406 US Rt 224 East	Reserve	76	Reserve	76	Reserve	76
Phone	410-425-6080	Typed	Analysis	Typed	Analysis	Typed	Analysis
Sample ID#	Date Sampled	Time Sampled	Sample Matrix	Scripting	Initials	Lab Cooler No.	Client Comments
EX-A025-001	9/15/04	1320	Soil				
EX-A025-002	9/15/04	1335					
EX-A025-003	9/15/04	1450					
EX-A025-004	9/15/04	1605					
EX-A025-005	9/15/04	1345					
EX-A025-006	9/15/04	1355					
EX-A025-007	9/15/04	1440					
EX-A025-008	9/15/04	1615					
EX-A025-009	9/15/04	1620					
EX-A025-010	9/15/04	1640					
EX-A025-011	9/15/04	1640					
EX-A025-012	9/15/04	1640					
EX-A025-013	9/15/04	1640					
EX-A025-014	9/15/04	1640					
EX-A025-015	9/15/04	1640					
EX-A025-016	9/15/04	1640					
EX-A025-017	9/15/04	1640					
EX-A025-018	9/15/04	1640					
EX-A025-019	9/15/04	1640					
EX-A025-020	9/15/04	1640					
EX-A025-021	9/15/04	1640					
EX-A025-022	9/15/04	1640					
EX-A025-023	9/15/04	1640					
EX-A025-024	9/15/04	1640					
EX-A025-025	9/15/04	1640					
EX-A025-026	9/15/04	1640					
EX-A025-027	9/15/04	1640					
EX-A025-028	9/15/04	1640					
EX-A025-029	9/15/04	1640					
EX-A025-030	9/15/04	1640					
EX-A025-031	9/15/04	1640					
EX-A025-032	9/15/04	1640					
EX-A025-033	9/15/04	1640					
EX-A025-034	9/15/04	1640					
EX-A025-035	9/15/04	1640					
EX-A025-036	9/15/04	1640					
EX-A025-037	9/15/04	1640					
EX-A025-038	9/15/04	1640					
EX-A025-039	9/15/04	1640					
EX-A025-040	9/15/04	1640					
EX-A025-041	9/15/04	1640					
EX-A025-042	9/15/04	1640					
EX-A025-043	9/15/04	1640					
EX-A025-044	9/15/04	1640					
EX-A025-045	9/15/04	1640					
EX-A025-046	9/15/04	1640					
EX-A025-047	9/15/04	1640					
EX-A025-048	9/15/04	1640					
EX-A025-049	9/15/04	1640					
EX-A025-050	9/15/04	1640					
EX-A025-051	9/15/04	1640					
EX-A025-052	9/15/04	1640					
EX-A025-053	9/15/04	1640					
EX-A025-054	9/15/04	1640					
EX-A025-055	9/15/04	1640					
EX-A025-056	9/15/04	1640					
EX-A025-057	9/15/04	1640					
EX-A025-058	9/15/04	1640					
EX-A025-059	9/15/04	1640					
EX-A025-060	9/15/04	1640					
EX-A025-061	9/15/04	1640					
EX-A025-062	9/15/04	1640					
EX-A025-063	9/15/04	1640					
EX-A025-064	9/15/04	1640					
EX-A025-065	9/15/04	1640					
EX-A025-066	9/15/04	1640					
EX-A025-067	9/15/04	1640					
EX-A025-068	9/15/04	1640					
EX-A025-069	9/15/04	1640					
EX-A025-070	9/15/04	1640					
EX-A025-071	9/15/04	1640					
EX-A025-072	9/15/04	1640					
EX-A025-073	9/15/04	1640					
EX-A025-074	9/15/04	1640					
EX-A025-075	9/15/04	1640					
EX-A025-076	9/15/04	1640					
EX-A025-077	9/15/04	1640					
EX-A025-078	9/15/04	1640					
EX-A025-079	9/15/04	1640					
EX-A025-080	9/15/04	1640					
EX-A025-081	9/15/04	1640					
EX-A025-082	9/15/04	1640					
EX-A025-083	9/15/04	1640					
EX-A025-084	9/15/04	1640					
EX-A025-085	9/15/04	1640					
EX-A025-086	9/15/04	1640					
EX-A025-087	9/15/04	1640					
EX-A025-088	9/15/04	1640					
EX-A025-089	9/15/04	1640					
EX-A025-090	9/15/04	1640					
EX-A025-091	9/15/04	1640					
EX-A025-092	9/15/04	1640					
EX-A025-093	9/15/04	1640					
EX-A025-094	9/15/04	1640					
EX-A025-095	9/15/04	1640					
EX-A025-096	9/15/04	1640					
EX-A025-097	9/15/04	1640					
EX-A025-098	9/15/04	1640					
EX-A025-099	9/15/04	1640					
EX-A025-100	9/15/04	1640					
EX-A025-101	9/15/04	1640					
EX-A025-102	9/15/04	1640					
EX-A025-103	9/15/04	1640					
EX-A025-104	9/15/04	1640					
EX-A025-105	9/15/04	1640					
EX-A025-106	9/15/04	1640					
EX-A025-107	9/15/04	1640					
EX-A025-108	9/15/04	1640					
EX-A025-109	9/15/04	1640					
EX-A025-110	9/15/04	1640					
EX-A025-111	9/15/04	1640					
EX-A025-112	9/15/04	1640					
EX-A025-113	9/15/04	1640					
EX-A025-114	9/15/04	1640					
EX-A025-115	9/15/04	1640					
EX-A025-116	9/15/04	1640					
EX-A025-117	9/15/04	1640					
EX-A025-118	9/15/04	1640					
EX-A025-119	9/15/04	1640					
EX-A025-120	9/15/04	1640					
EX-A025-121	9/15/04	1640					
EX-A025-122	9/15/04	1640					
EX-A025-123	9/15/04	1640					
EX-A025-124	9/15/04	1640					
EX-A025-125	9/15/04	1640					
EX-A025-126	9/15/04	1640					
EX-A025-127	9/15/04	1640					
EX-A025-128	9/15/04	1640					
EX-A025-129	9/15/04	1640					
EX-A025-130	9/15/04	1640					
EX-A025-131	9/15/04	1640					
EX-A025-132	9/15/04	1640					
EX-A025-133	9/15/04	1640					
EX-A025-134	9/15/04	1640					
EX-A025-135	9/15/04	1640					
EX-A025-136	9/15/04	1640					
EX-A025-137	9/15/04	1640					
EX-A025-138	9/15/04	1640					
EX-A025-139	9/15/04	1640					
EX-A025-140	9/15/04	1640					
EX-A025-141	9/15/04	1640					
EX-A025-142	9/15/04	1640					
EX-A025-143	9/15/04	1640					
EX-A025-144	9/15/04	1640					
EX-A025-145	9/15/04	1640					
EX-A025-146	9/15/04	1640					
EX-A025-147	9/15/04	1640					
EX-A025-148	9/15/04	1640					
EX-A025-149	9/15/04	1640					
EX-A025-150	9/15/04	1640					
EX-A025-151	9/15/04	1640					
EX-A025-152	9/15/04	1640					
EX-A025-153	9/15/04	1640					
EX-A025-154	9/15/04	1640					
EX-A025-155	9/15/04	1640					
EX-A025-156	9/15/04	1640					
EX-A025-157	9/15/04	1640					
EX-A025-158	9/15/04	1640					
EX-A025-159	9/15/04	1640					
EX-A025-160	9/15/04	1640					
EX-A025-161	9/15/04	1640					
EX-A025-162	9/15/04	1640					
EX-A025-163	9/15/04	1640					
EX-A025-164	9/15/04	1640					
EX-A025-165	9/15/04	1640					
EX-A025-166							

## SDG: 609092

[illegible]

## SDG: 609092

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Printed: 10/10/06  
Version 2.4.2 (Build 0)



## Shaw Environmental & Infrastructure, Inc.

### Data Validation Report

16406 U.S. Route 224 East • Findlay, Ohio 45840

Findlay Ohio Office – Federal Technical Services

**PROJECT NUMBER:** 115215  
**PROJECT MANAGER:** Tom Mathison  
**PROJECT NAME:** USACE-Schenectady  
**SAMPLE RECEIPT DATE:** 10/07/2006  
**LABORATORY SDG:** GPL-610040

The Findlay Ohio Federal Technical Services Group has performed a QA evaluation of the data report from GPL Laboratories, LLLP, Frederick, MD. The results are for samples collected at the Former Schenectady Army Depot (AOC 2), Voorheesville Area, New York by on-site Shaw E & I personnel. The samples were analyzed for the parameters listed in the Sample Summary Table.

Sample Summary Table			
Sample Number	Collection Date	Matrix	Analysis Requested
EX-AOI5-001A, EX-AOI5-002A EX-AOI5-005A, EX-AOI5-006A EX-AOI5-007A, EX-AOI5-008A EX-AOI5-010A	10/06/2006	Soil	Target Metals SW-6010B/ 7471A
EX-AOI5-003A DUP100606	10/06/2006	Soil	Target Metals SW-6010B/ 7471A Total VOC-SW8260B Pesticides-Sw-8081A
EX-AOI5-004A	10/06/2006	Soil	Target Metals SW-6010B/ 7471A Total VOC-SW8260B

All samples were received at the laboratory intact and sample analyses were performed within the required holding times. The cooler was submitted with chain-of-custody forms and was received having a temperature of 2°C upon opening. The Trip Blank was written on the COC but not present in the cooler. The laboratory provided an electronic copy of the data within the specified turn around time. The following describes the overall QA/QC indicators.

#### Pesticide Analysis in Soil by SW-8081A

The GC system was calibrated for the target analytes and surrogate compounds in accordance with method requirements for both front and rear columns. The integrity of the primary standards was validated through analysis of a second source standard. Calibration check samples were high for some analytes. No analytes were detected in the samples. No qualification necessary.

**Method Blanks:** The method blank results are below reporting limits for the target analytes.

**LCS:** The LCS recoveries are within acceptance criteria for the target analytes.

**QC Matrix:** The MS/MSD recoveries were within control limits for both precision and accuracy.

**Surrogates:** All surrogate recoveries are within acceptable criteria.

Reported results should be acted upon without reservation.

#### **VOC Analysis in Soil by 8260B**

The GC/MS system was tuned and calibrated in accordance with method requirements. The integrity of the primary standards was validated through analysis of a second source standard. Calibration check samples verified instrument calibration and all analyses were performed within valid 12-hour tune clocks. The ISTD areas were within the required values for all analytical runs.

**Method Blanks:** The method blank results are below reporting limits for the target analytes

**LCS:** The LCS recoveries are within acceptance criteria for the target analytes, indicative of acceptable method accuracy and verifying proper instrument control.

**MS/MSD:** The QC Matrix recovery and precision performance, using sample EX-AOI5-003A, is within acceptance limits for all compounds.

**Surrogates:** All surrogate recoveries are within acceptable criteria.

Reported results should be utilized with confidence.

#### **Metals Analysis in Soil by SW6010B and SW7471A**

The ICP and CVAA systems were calibrated for the target analytes in accordance with method requirements. All instrument interference check samples were within control limits. The initial and continuing calibration check samples were within control limits. The initial calibration blank results were below reporting limits.

**Method Blanks:** The method blank results are below reporting limits.

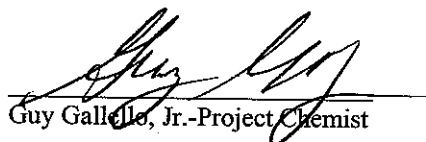
**LCS:** The LCS recoveries are within acceptance criteria for the target analytes.

**MS/MSD:** The MS/MSD recoveries and precision are within acceptance limits for all analytes with native concentrations less than 4X the spike level. Three analytes (aluminum, calcium, and potassium) were present at large concentrations in the unspiked sample rendering the QC Matrix data invalid.

Reported results should be utilized with confidence

#### **Summary of Analysis**

The overall Quality Control data provided in the laboratory report is representative of adequate method accuracy and precision with regard to project objectives. The reported data should be utilized, without reservation, in the intended project decision-making process.

  
Guy Gallardo, Jr.-Project Chemist

  
Date

# Analytical Report For 610040

for

Shaw E&I, Inc

Project Manager: Guy Gallelo

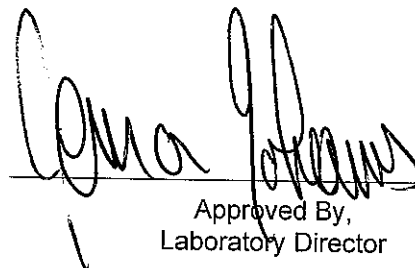
Project Name: **SAD-AOC2**

**GPL**  
**Laboratories**

GPL Laboratories, LLLP certifies that the test results meet all requirements of the NELAC Standards unless otherwise noted.



Reviewed By,  
Project Manager

  
Approved By,  
Laboratory Director



## Case Narrative

Shaw E&I, Inc

SAD-AOC2

Work Order: 610040

Reviewed by Patricia Huebschman on 11-03-2006

The Case Narrative, Chain of Custody, Sample Receipt Checklist, and the cover page of the Sample Analysis Report, are integral parts of GPL Laboratories' report package. If you did not receive all of these documents, please contact GPL immediately.

### **Sample Receipt**

Eleven soil samples were received on 10/07/2006. The samples were delivered by UPS. Sample receipt conditions and temperatures are documented on the Sample Receipt checklist.

### **Sample Analysis**

Samples were prepared and analyzed by GPL using the analytical methodologies indicated on the Sample Analysis Summary Report. In some chromatographic analyses, manual integration is used instead of automated integration because it produces more accurate results. All manual integrations are denoted on the sample quantitation report. Analysis results and limits for soil are reported on a dry weight basis unless otherwise specified on the report.

### **Volatiles**

Three soil samples were analyzed for volatile organic compounds using SW846 method 8260B.

The samples were analyzed within the holding time.

The internal standard responses and surrogate recoveries were within the QC limits.

The matrix spike and matrix spike duplicate analyses were performed on sample EX-AOIS-003A. All spike recoveries and RPD's were within the QC limits.

A laboratory control sample was analyzed along with the samples batch. All spike recoveries were within the QC limits.

Manual integration was performed on some peaks that were improperly integrated by the software. The manually integrated compounds are designated by an "m" next to the area of the quantitation report, and chromatograms for these compounds were submitted with the package.

### **Pesticides**

Two soil samples were extracted and analyzed for Pesticide compounds using the EPA method 8081A..

All surrogate recoveries were well within the QC limits.

The matrix spike and matrix spike duplicate analyses were performed for sample EX-AOI5-003A. All spike recoveries were well within the QC limits.

A laboratory control sample was extracted and analyzed along with the batch. All recoveries were within the QC limits.

### **Metals**

Ten soil samples were analyzed for HSL metals (except sodium) by EPA SW846 methods.

On form one, The software flags all results for specific elements with a B qualifier if they have a result above two times the MDL and less than 1/2 the reporting limit for a continuing calibration blank, initial calibration blank or interference check solution A.



A matrix spike and matrix spike duplicates were performed on sample EX-AO15-003A for all required analytes. A serial dilution was also performed for ICP analytes. The matrix spike and matrix spike duplicates were outside of the control limits for antimony, barium, potassium, and vanadium; all associated data were flagged with an "N". A post digestion analytical spike was performed within 15% of the true value, except for barium and vanadium. The post digestion analytical spike failed for barium and vanadium. No control limits were applied to the matrix spike for aluminum, calcium, iron, and magnesium; matrix spike duplicate for aluminum, calcium, iron, and manganese due to an insignificant spike addition.

Calibration standards are verified against independent check standards purchased from a commercial vendor of environmental standards.

All GPL QA/QC criteria were met with the exceptions of those mentioned above.

Pat Wuebschum

Reviewed By,  
Project Manager

James J. Brown

Approved By,  
Laboratory Director

# GPL Laboratories, LLLP

## Sample Summary Report

Shaw E&I, Inc

Work Order: 610040

Client Sample ID	Lab Sample ID	Analytical Method	Matrix	Date Sampled	Date Recieved
DUP10606	610040-011-015-1/1	SW8260B	SOIL	10/06/2006	10/07/2006
	610040-011-012-1/3	SW8081A			
	610040-011-012-1/3	SW6010B			
	610040-011-012-1/3	SW7471A			
	610040-011-012-1/3	CLP_SOLIDS			
EX-AOI5-001A	610040-001-001-1/1	SW6010B	SOIL	10/06/2006	10/07/2006
	610040-001-001-1/1	SW7471A			
	610040-001-001-1/1	CLP_SOLIDS			
EX-AOI5-002A	610040-002-002-1/1	SW6010B	SOIL	10/06/2006	10/07/2006
	610040-002-002-1/1	SW7471A			
	610040-002-002-1/1	CLP_SOLIDS			
EX-AOI5-003A	610040-003-029-1/3	SW8260B	SOIL	10/06/2006	10/07/2006
	610040-003-020-1/9	SW8081A			
	610040-003-020-1/9	SW6010B			
	610040-003-020-1/9	SW7471A			
	610040-003-020-1/9	CLP_SOLIDS			
EX-AOI5-004A	610040-004-019-1/1	SW8260B	SOIL	10/06/2006	10/07/2006
	610040-004-017-1/2	SW6010B			
	610040-004-017-1/2	SW7471A			
	610040-004-017-1/2	CLP_SOLIDS			
EX-AOI5-005A	610040-005-003-1/1	SW6010B	SOIL	10/06/2006	10/07/2006
	610040-005-003-1/1	SW7471A			
	610040-005-003-1/1	CLP_SOLIDS			
EX-AOI5-006A	610040-006-004-1/2	SW6010B	SOIL	10/06/2006	10/07/2006
	610040-006-004-1/2	SW7471A			
	610040-006-004-1/2	CLP_SOLIDS			
EX-AOI5-007A	610040-007-006-1/2	SW6010B	SOIL	10/06/2006	10/07/2006
	610040-007-006-1/2	SW7471A			
	610040-007-006-1/2	CLP_SOLIDS			
EX-AOI5-008A	610040-008-008-1/2	SW6010B	SOIL	10/06/2006	10/07/2006
	610040-008-008-1/2	SW7471A			
	610040-008-008-1/2	CLP_SOLIDS			

# GPL Laboratories, LLLP

## Sample Summary Report

Shaw E&I, Inc

Work Order: 610040

Client Sample ID	Lab Sample ID	Analytical Method	Matrix	Date Sampled	Date Recieved
EX-AOI5-010A	610040-009-010-1/2	SW6010B	SOIL	10/06/2006	10/07/2006
	610040-009-010-1/2	SW7471A			
	610040-009-010-1/2	CLP_SOLIDS			

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-001A	Lab Sample ID:	610040-001-001-1/1
Sample Date/Time:	10/06/2006 13:00	Percent Moisture:	12.89
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	SW3050B
Prepared Date/Time:	10/10/2006 00:00	Analytical Method:	SW6010B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Aluminum	16700		19	1	mg/kg	10/11/06 16:55
2)	Antimony	0.68	JNB	1.9	1	mg/kg	10/11/06 16:55
3)	Arsenic	13.2	B	1.9	1	mg/kg	10/11/06 16:55
4)	Barium	77.8	NB	0.47	1	mg/kg	10/11/06 16:55
5)	Beryllium	0.83	B	0.19	1	mg/kg	10/11/06 16:55
6)	Cadmium	0.65	B	0.57	1	mg/kg	10/11/06 16:55
7)	Calcium	21400		94.9	1	mg/kg	10/11/06 16:55
8)	Chromium	23.6		0.47	1	mg/kg	10/11/06 16:55
9)	Cobalt	14.9	B	0.47	1	mg/kg	10/11/06 16:55
10)	Copper	40.0	B	0.95	1	mg/kg	10/11/06 16:55
11)	Iron	35300	B	14.2	1	mg/kg	10/11/06 16:55
12)	Lead	16.7	B	0.95	1	mg/kg	10/11/06 16:55
13)	Magnesium	8080	B	23.7	1	mg/kg	10/11/06 16:55
14)	Manganese	903	B	0.47	1	mg/kg	10/11/06 16:55
15)	Nickel	34.5	B	0.95	1	mg/kg	10/11/06 16:55
16)	Potassium	2070	N	23.7	1	mg/kg	10/11/06 16:55
17)	Selenium	0.43	J	1.9	1	mg/kg	10/12/06 15:16
18)	Silver	BQL	U	0.47	1	mg/kg	10/12/06 15:16
19)	Thallium	0.83	J	2.8	1	mg/kg	10/11/06 16:55
20)	Vanadium	27.3	NB	0.95	1	mg/kg	10/11/06 16:55
21)	Zinc	94.0		1.9	1	mg/kg	10/11/06 16:55

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-001A	Lab Sample ID:	610040-001-001-1/1
Sample Date/Time:	10/06/2006 13:00	Percent Moisture:	12.89
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	SW7471_DIG
Prepared Date/Time:	10/11/2006 23:40	Analytical Method:	SW7471A

# Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1) Mercury	0.041		0.025	1	mg/kg	10/12/06 13:44

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-001A	Lab Sample ID:	610040-001-001-1/1
Sample Date/Time:	10/06/2006 13:00	Percent Moisture:	12.89
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Percent Solids	87		1.0	1	%	10/11/06 14:06

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-002A	Lab Sample ID:	610040-002-002-1/1
Sample Date/Time:	10/06/2006 13:10	Percent Moisture:	12.79
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	SW3050B
Prepared Date/Time:	10/10/2006 00:00	Analytical Method:	SW6010B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	<b>Aluminum</b>	<b>16300</b>		<b>19.1</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:03</b>
2)	Antimony	0.48	JNB	1.9	1	mg/kg	10/11/06 17:03
3)	<b>Arsenic</b>	<b>13.3</b>	<b>B</b>	<b>1.9</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:03</b>
4)	<b>Barium</b>	<b>72.1</b>	<b>NB</b>	<b>0.48</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:03</b>
5)	<b>Beryllium</b>	<b>0.88</b>	<b>B</b>	<b>0.19</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:03</b>
6)	<b>Cadmium</b>	<b>0.62</b>	<b>B</b>	<b>0.57</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:03</b>
7)	<b>Calcium</b>	<b>3300</b>		<b>95.6</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:03</b>
8)	<b>Chromium</b>	<b>23.9</b>		<b>0.48</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:03</b>
9)	<b>Cobalt</b>	<b>17.3</b>	<b>B</b>	<b>0.48</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:03</b>
10)	<b>Copper</b>	<b>45.4</b>	<b>B</b>	<b>0.96</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:03</b>
11)	<b>Iron</b>	<b>37700</b>	<b>B</b>	<b>14.3</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:03</b>
12)	<b>Lead</b>	<b>19.2</b>	<b>B</b>	<b>0.96</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:03</b>
13)	<b>Magnesium</b>	<b>7940</b>	<b>B</b>	<b>23.9</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:03</b>
14)	<b>Manganese</b>	<b>752</b>	<b>B</b>	<b>0.48</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:03</b>
15)	<b>Nickel</b>	<b>41.0</b>	<b>B</b>	<b>0.96</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:03</b>
16)	<b>Potassium</b>	<b>2040</b>	<b>N</b>	<b>23.9</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:03</b>
17)	Selenium	0.82	J	1.9	1	mg/kg	10/12/06 15:24
18)	Silver	BQL	U	0.48	1	mg/kg	10/12/06 15:24
19)	Thallium	0.51	J	2.9	1	mg/kg	10/11/06 17:03
20)	<b>Vanadium</b>	<b>26.8</b>	<b>NB</b>	<b>0.96</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:03</b>
21)	<b>Zinc</b>	<b>94.5</b>		<b>1.9</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:03</b>

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-002A	Lab Sample ID:	610040-002-002-1/1
Sample Date/Time:	10/06/2006 13:10	Percent Moisture:	12.79
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	SW7471_DIG
Prepared Date/Time:	10/11/2006 23:40	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Mercury	0.039		0.027	1	mg/kg	10/12/06 13:46



# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-002A	Lab Sample ID:	610040-002-002-1/1
Sample Date/Time:	10/06/2006 13:10	Percent Moisture:	12.79
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Percent Solids	87		1.0	1	%	10/11/06 14:06

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-003A	Lab Sample ID:	610040-003-020-1/9
Sample Date/Time:	10/06/2006 14:00	Percent Moisture:	9.18
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	SW3550
Prepared Date/Time:	10/09/2006 00:00	Analytical Method:	SW8081A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	4,4-DDD	BQL	U	1.8	1	ug/kg	10/12/06	11:58
2)	4,4-DDE	BQL	U	1.8	1	ug/kg	10/12/06	11:58
3)	4,4-DDT	BQL	U	1.8	1	ug/kg	10/12/06	11:58
4)	Aldrin	BQL	U	1.8	1	ug/kg	10/12/06	11:58
5)	Alpha-BHC	BQL	U	1.8	1	ug/kg	10/12/06	11:58
6)	Beta-BHC	BQL	U	1.8	1	ug/kg	10/12/06	11:58
7)	Chlordane	BQL	U	37	1	ug/kg	10/12/06	11:58
8)	Delta-BHC	BQL	U	1.8	1	ug/kg	10/12/06	11:58
9)	Dieldrin	BQL	U	1.8	1	ug/kg	10/12/06	11:58
10)	Endosulfan I	BQL	U	1.8	1	ug/kg	10/12/06	11:58
11)	Endosulfan II	BQL	U	1.8	1	ug/kg	10/12/06	11:58
12)	Endosulfan Sulfate	BQL	U	1.8	1	ug/kg	10/12/06	11:58
13)	Endrin	BQL	U	1.8	1	ug/kg	10/12/06	11:58
14)	Gamma-BHC (Lindane)	BQL	U	1.8	1	ug/kg	10/12/06	11:58
15)	Heptachlor	BQL	U	1.8	1	ug/kg	10/12/06	11:58
16)	Heptachlor Epoxide	BQL	U	1.8	1	ug/kg	10/12/06	11:58
17)	Methoxychlor	BQL	U	1.8	1	ug/kg	10/12/06	11:58

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
18)	Decachlorobiphenyl	89 %	36 - 120	1	10/12/06	11:58
19)	Decachlorobiphenyl	89 %	36 - 120	1	10/12/06	11:58
20)	Tetrachloro-m-xylene	81 %	36 - 120	1	10/12/06	11:58
21)	Tetrachloro-m-xylene	83 %	36 - 120	1	10/12/06	11:58

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-003A	Lab Sample ID:	610040-003-020-1/9
Sample Date/Time:	10/06/2006 14:00	Percent Moisture:	9.18
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	SW3050B
Prepared Date/Time:	10/10/2006 00:00	Analytical Method:	SW6010B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	<b>Aluminum</b>	<b>15800</b>		<b>18.4</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:11</b>
2)	Antimony	0.49	JNB	1.8	1	mg/kg	10/11/06 17:11
3)	<b>Arsenic</b>	<b>11.9</b>	<b>B</b>	<b>1.8</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:11</b>
4)	<b>Barium</b>	<b>78.2</b>	<b>NB</b>	<b>0.46</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:11</b>
5)	<b>Beryllium</b>	<b>0.84</b>	<b>B</b>	<b>0.18</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:11</b>
6)	<b>Cadmium</b>	<b>0.70</b>	<b>B</b>	<b>0.55</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:11</b>
7)	<b>Calcium</b>	<b>31300</b>		<b>91.8</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:11</b>
8)	<b>Chromium</b>	<b>23.1</b>		<b>0.46</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:11</b>
9)	<b>Cobalt</b>	<b>15.1</b>	<b>B</b>	<b>0.46</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:11</b>
10)	<b>Copper</b>	<b>40.3</b>	<b>B</b>	<b>0.92</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:11</b>
11)	<b>Iron</b>	<b>35200</b>	<b>B</b>	<b>13.8</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:11</b>
12)	<b>Lead</b>	<b>15.8</b>	<b>B</b>	<b>0.92</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:11</b>
13)	<b>Magnesium</b>	<b>8910</b>	<b>B</b>	<b>22.9</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:11</b>
14)	<b>Manganese</b>	<b>801</b>	<b>B</b>	<b>0.46</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:11</b>
15)	<b>Nickel</b>	<b>40.0</b>	<b>B</b>	<b>0.92</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:11</b>
16)	<b>Potassium</b>	<b>2050</b>	<b>N</b>	<b>22.9</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:11</b>
17)	Selenium	0.46	J	1.8	1	mg/kg	10/12/06 15:32
18)	Silver	BQL	U	0.46	1	mg/kg	10/12/06 15:32
19)	Thallium	0.57	J	2.8	1	mg/kg	10/11/06 17:11
20)	<b>Vanadium</b>	<b>25.7</b>	<b>NB</b>	<b>0.92</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:11</b>
21)	<b>Zinc</b>	<b>85.8</b>		<b>1.8</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 17:11</b>

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-003A	Lab Sample ID:	610040-003-020-1/9
Sample Date/Time:	10/06/2006 14:00	Percent Moisture:	9.18
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	SW7471_DIG
Prepared Date/Time:	10/11/2006 23:40	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Mercury	0.030	J	0.034	1	mg/kg	10/12/06 13:48

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-003A	Lab Sample ID:	610040-003-020-1/9
Sample Date/Time:	10/06/2006 14:00	Percent Moisture:	9.18
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Percent Solids	91		1.0	1	%	10/11/06 14:06

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-003A	Lab Sample ID:	610040-003-029-1/3
Sample Date/Time:	10/06/2006 14:00	Percent Moisture:	9.18
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	SW5030B
Prepared Date/Time:	10/10/2006 07:09	Analytical Method:	SW8260B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	1,1,1-Trichloroethane	BQL	U	5.5	1	ug/kg	10/10/06 09:22
2)	1,1,2,2-Tetrachloroethane	BQL	U	5.5	1	ug/kg	10/10/06 09:22
3)	1,1,2-Trichloroethane	BQL	U	5.5	1	ug/kg	10/10/06 09:22
4)	1,1-Dichloroethane	BQL	U	5.5	1	ug/kg	10/10/06 09:22
5)	1,1-Dichloroethene	BQL	U	5.5	1	ug/kg	10/10/06 09:22
6)	1,2-Dichlorobenzene	BQL	U	5.5	1	ug/kg	10/10/06 09:22
7)	1,2-Dichloroethane	BQL	U	5.5	1	ug/kg	10/10/06 09:22
8)	1,3-Dichlorobenzene	BQL	U	5.5	1	ug/kg	10/10/06 09:22
9)	1,4-Dichlorobenzene	BQL	U	5.5	1	ug/kg	10/10/06 09:22
10)	2-Butanone	BQL	U	11	1	ug/kg	10/10/06 09:22
11)	4-Methyl-2-Pentanone	BQL	U	11	1	ug/kg	10/10/06 09:22
12)	Acetone	BQL	U	11	1	ug/kg	10/10/06 09:22
13)	Benzene	BQL	U	5.5	1	ug/kg	10/10/06 09:22
14)	Bromomethane	BQL	U	11	1	ug/kg	10/10/06 09:22
15)	Carbon Disulfide	BQL	U	5.5	1	ug/kg	10/10/06 09:22
16)	Carbon Tetrachloride	BQL	U	5.5	1	ug/kg	10/10/06 09:22
17)	Chlorobenzene	BQL	U	5.5	1	ug/kg	10/10/06 09:22
18)	Chloroethane	BQL	U	11	1	ug/kg	10/10/06 09:22
19)	Chloroform	BQL	U	5.5	1	ug/kg	10/10/06 09:22
20)	Chloromethane	BQL	U	11	1	ug/kg	10/10/06 09:22
21)	Dibromochloromethane	BQL	U	5.5	1	ug/kg	10/10/06 09:22
22)	Ethylbenzene	BQL	U	5.5	1	ug/kg	10/10/06 09:22
23)	Methylene Chloride	BQL	U	11	1	ug/kg	10/10/06 09:22
24)	Styrene	BQL	U	5.5	1	ug/kg	10/10/06 09:22
25)	Tetrachloroethylene	BQL	U	5.5	1	ug/kg	10/10/06 09:22
26)	Toluene	BQL	U	5.5	1	ug/kg	10/10/06 09:22
27)	Trichloroethene	BQL	U	5.5	1	ug/kg	10/10/06 09:22
28)	Vinyl Chloride	BQL	U	11	1	ug/kg	10/10/06 09:22

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-003A	Lab Sample ID:	610040-003-029-1/3
Sample Date/Time:	10/06/2006 14:00	Percent Moisture:	9.18
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	SW5030B
Prepared Date/Time:	10/10/2006 07:09	Analytical Method:	SW8260B

29) Xylenes, Total	BQL	U	5.5	1	ug/kg	10/10/06	09:22
30) trans-1,2-dichloroethene	BQL	U	5.5	1	ug/kg	10/10/06	09:22

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
31) 1,2-Dichlorobenzene-d4	107 %	65 - 123	1	10/10/06 09:22
32) 1,2-Dichloroethane-d4	89 %	65 - 125	1	10/10/06 09:22
33) 4-Bromofluorobenzene	110 %	85 - 120	1	10/10/06 09:22
34) Toluene-D8	90 %	85 - 115	1	10/10/06 09:22

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-004A	Lab Sample ID:	610040-004-017-1/2
Sample Date/Time:	10/06/2006 14:10	Percent Moisture:	11.45
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	SW3050B
Prepared Date/Time:	10/10/2006 00:00	Analytical Method:	SW6010B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Aluminum	16400	B	18.2	1	mg/kg	10/11/06 18:10
2)	Antimony	0.78	JNB	1.8	1	mg/kg	10/11/06 18:10
3)	Arsenic	11.2	B	1.8	1	mg/kg	10/11/06 18:10
4)	Barium	76.7	NB	0.46	1	mg/kg	10/11/06 18:10
5)	Beryllium	0.89	B	0.18	1	mg/kg	10/11/06 18:10
6)	Cadmium	0.72	B	0.55	1	mg/kg	10/11/06 18:10
7)	Calcium	12500		91.1	1	mg/kg	10/11/06 18:10
8)	Chromium	24.0		0.46	1	mg/kg	10/11/06 18:10
9)	Cobalt	16.3	B	0.46	1	mg/kg	10/11/06 18:10
10)	Copper	45.3	B	0.91	1	mg/kg	10/11/06 18:10
11)	Iron	37100	B	13.7	1	mg/kg	10/11/06 18:10
12)	Lead	17.7	B	0.91	1	mg/kg	10/11/06 18:10
13)	Magnesium	8440	B	22.8	1	mg/kg	10/11/06 18:10
14)	Manganese	662	B	0.46	1	mg/kg	10/11/06 18:10
15)	Nickel	36.2	B	0.91	1	mg/kg	10/11/06 18:10
16)	Potassium	1990	N	22.8	1	mg/kg	10/11/06 18:10
17)	Selenium	0.63	J	1.8	1	mg/kg	10/12/06 16:12
18)	Silver	BQL	U	0.46	1	mg/kg	10/12/06 16:12
19)	Thallium	0.64	J	2.7	1	mg/kg	10/11/06 18:10
20)	Vanadium	26.1	NB	0.91	1	mg/kg	10/11/06 18:10
21)	Zinc	103		1.8	1	mg/kg	10/11/06 18:10



# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-004A	Lab Sample ID:	610040-004-017-1/2
Sample Date/Time:	10/06/2006 14:10	Percent Moisture:	11.45
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	SW7471_DIG
Prepared Date/Time:	10/11/2006 23:40	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Mercury	0.042		0.029	1	mg/kg	10/12/06 13:51

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-004A	Lab Sample ID:	610040-004-017-1/2
Sample Date/Time:	10/06/2006 14:10	Percent Moisture:	11.45
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	<b>Percent Solids</b>	<b>88</b>		<b>1.0</b>	<b>1</b>	<b>%</b>	<b>10/11/06 14:06</b>

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-004A	Lab Sample ID:	610040-004-019-1/1
Sample Date/Time:	10/06/2006 14:10	Percent Moisture:	11.45
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	SW5030B
Prepared Date/Time:	10/10/2006 07:09	Analytical Method:	SW8260B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	1,1,1-Trichloroethane	BQL	U	5.6	1	ug/kg	10/10/06 16:09
2)	1,1,2,2-Tetrachloroethane	BQL	U	5.6	1	ug/kg	10/10/06 16:09
3)	1,1,2-Trichloroethane	BQL	U	5.6	1	ug/kg	10/10/06 16:09
4)	1,1-Dichloroethane	BQL	U	5.6	1	ug/kg	10/10/06 16:09
5)	1,1-Dichloroethene	BQL	U	5.6	1	ug/kg	10/10/06 16:09
6)	1,2-Dichlorobenzene	BQL	U	5.6	1	ug/kg	10/10/06 16:09
7)	1,2-Dichloroethane	BQL	U	5.6	1	ug/kg	10/10/06 16:09
8)	1,3-Dichlorobenzene	BQL	U	5.6	1	ug/kg	10/10/06 16:09
9)	1,4-Dichlorobenzene	BQL	U	5.6	1	ug/kg	10/10/06 16:09
10)	2-Butanone	BQL	U	11	1	ug/kg	10/10/06 16:09
11)	4-Methyl-2-Pentanone	BQL	U	11	1	ug/kg	10/10/06 16:09
12)	Acetone	BQL	U	11	1	ug/kg	10/10/06 16:09
13)	Benzene	BQL	U	5.6	1	ug/kg	10/10/06 16:09
14)	Bromomethane	BQL	U	11	1	ug/kg	10/10/06 16:09
15)	Carbon Disulfide	BQL	U	5.6	1	ug/kg	10/10/06 16:09
16)	Carbon Tetrachloride	BQL	U	5.6	1	ug/kg	10/10/06 16:09
17)	Chlorobenzene	BQL	U	5.6	1	ug/kg	10/10/06 16:09
18)	Chloroethane	BQL	U	11	1	ug/kg	10/10/06 16:09
19)	Chloroform	4.8	J	5.6	1	ug/kg	10/10/06 16:09
20)	Chloromethane	BQL	U	11	1	ug/kg	10/10/06 16:09
21)	Dibromochloromethane	BQL	U	5.6	1	ug/kg	10/10/06 16:09
22)	Ethylbenzene	BQL	U	5.6	1	ug/kg	10/10/06 16:09
23)	Methylene Chloride	BQL	U	11	1	ug/kg	10/10/06 16:09
24)	Styrene	BQL	U	5.6	1	ug/kg	10/10/06 16:09
25)	Tetrachloroethylene	BQL	U	5.6	1	ug/kg	10/10/06 16:09
26)	Toluene	BQL	U	5.6	1	ug/kg	10/10/06 16:09
27)	Trichloroethene	BQL	U	5.6	1	ug/kg	10/10/06 16:09
28)	Vinyl Chloride	BQL	U	11	1	ug/kg	10/10/06 16:09

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-004A	Lab Sample ID:	610040-004-019-1/1
Sample Date/Time:	10/06/2006 14:10	Percent Moisture:	11.45
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	SW5030B
Prepared Date/Time:	10/10/2006 07:09	Analytical Method:	SW8260B

29) Xylenes, Total	BQL	U	5.6	1	ug/kg	10/10/06	16:09
30) trans-1,2-dichloroethene	BQL	U	5.6	1	ug/kg	10/10/06	16:09

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
31) 1,2-Dichlorobenzene-d4	109 %	65 - 123	1	10/10/06 16:09
32) 1,2-Dichloroethane-d4	95 %	65 - 125	1	10/10/06 16:09
33) 4-Bromofluorobenzene	115 %	85 - 120	1	10/10/06 16:09
34) Toluene-D8	92 %	85 - 115	1	10/10/06 16:09

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-005A	Lab Sample ID:	610040-005-003-1/1
Sample Date/Time:	10/06/2006 13:15	Percent Moisture:	11.93
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	SW3050B
Prepared Date/Time:	10/10/2006 00:00	Analytical Method:	SW6010B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Aluminum	15900	B	17.7	1	mg/kg	10/11/06 18:18
2)	Antimony	0.21	JNB	1.8	1	mg/kg	10/11/06 18:18
3)	Arsenic	8.7	B	1.8	1	mg/kg	10/11/06 18:18
4)	Barium	181	NB	0.44	1	mg/kg	10/11/06 18:18
5)	Beryllium	0.80	B	0.18	1	mg/kg	10/11/06 18:18
6)	Cadmium	0.86	B	0.53	1	mg/kg	10/11/06 18:18
7)	Calcium	36300		88.7	1	mg/kg	10/11/06 18:18
8)	Chromium	22.3		0.44	1	mg/kg	10/11/06 18:18
9)	Cobalt	11.8	B	0.44	1	mg/kg	10/11/06 18:18
10)	Copper	35.9	B	0.89	1	mg/kg	10/11/06 18:18
11)	Iron	33700	B	13.3	1	mg/kg	10/11/06 18:18
12)	Lead	20.4	B	0.89	1	mg/kg	10/11/06 18:18
13)	Magnesium	6960	B	22.2	1	mg/kg	10/11/06 18:18
14)	Manganese	642	B	0.44	1	mg/kg	10/11/06 18:18
15)	Nickel	33.2	B	0.89	1	mg/kg	10/11/06 18:18
16)	Potassium	1640	N	22.2	1	mg/kg	10/11/06 18:18
17)	Selenium	0.80	J	1.8	1	mg/kg	10/12/06 16:20
18)	Silver	BQL	U	0.44	1	mg/kg	10/12/06 16:20
19)	Thallium	0.38	J	2.7	1	mg/kg	10/11/06 18:18
20)	Vanadium	25.6	NB	0.89	1	mg/kg	10/11/06 18:18
21)	Zinc	111		1.8	1	mg/kg	10/11/06 18:18

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-005A	Lab Sample ID:	610040-005-003-1/1
Sample Date/Time:	10/06/2006 13:15	Percent Moisture:	11.93
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	SW7471_DIG
Prepared Date/Time:	10/11/2006 23:40	Analytical Method:	SW7471A

# Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1) Mercury	0.049		0.036	1	mg/kg	10/12/06 13:53

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-005A	Lab Sample ID:	610040-005-003-1/1
Sample Date/Time:	10/06/2006 13:15	Percent Moisture:	11.93
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Percent Solids	88		1.0	1	%	10/11/06 14:06

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-006A	Lab Sample ID:	610040-006-004-1/2
Sample Date/Time:	10/06/2006 13:20	Percent Moisture:	12.81
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	SW3050B
Prepared Date/Time:	10/10/2006 00:00	Analytical Method:	SW6010B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Aluminum	14900	B	17	1	mg/kg	10/11/06 18:26
2)	Antimony	0.44	JNB	1.7	1	mg/kg	10/11/06 18:26
3)	Arsenic	9.3	B	1.7	1	mg/kg	10/11/06 18:26
4)	Barium	78.6	NB	0.42	1	mg/kg	10/11/06 18:26
5)	Beryllium	0.79	B	0.17	1	mg/kg	10/11/06 18:26
6)	Cadmium	0.69	B	0.51	1	mg/kg	10/11/06 18:26
7)	Calcium	28800		85	1	mg/kg	10/11/06 18:26
8)	Chromium	21.4		0.42	1	mg/kg	10/11/06 18:26
9)	Cobalt	13.8	B	0.42	1	mg/kg	10/11/06 18:26
10)	Copper	39.5	B	0.85	1	mg/kg	10/11/06 18:26
11)	Iron	33900	B	12.7	1	mg/kg	10/11/06 18:26
12)	Lead	15.0	B	0.85	1	mg/kg	10/11/06 18:26
13)	Magnesium	10100	B	21.2	1	mg/kg	10/11/06 18:26
14)	Manganese	710	B	0.42	1	mg/kg	10/11/06 18:26
15)	Nickel	34.7	B	0.85	1	mg/kg	10/11/06 18:26
16)	Potassium	2110	N	21.2	1	mg/kg	10/11/06 18:26
17)	Selenium	0.63	J	1.7	1	mg/kg	10/12/06 16:28
18)	Silver	BQL	U	0.42	1	mg/kg	10/12/06 16:28
19)	Thallium	0.32	J	2.5	1	mg/kg	10/11/06 18:26
20)	Vanadium	24.6	NB	0.85	1	mg/kg	10/11/06 18:26
21)	Zinc	88.5		1.7	1	mg/kg	10/11/06 18:26



# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-006A	Lab Sample ID:	610040-006-004-1/2
Sample Date/Time:	10/06/2006 13:20	Percent Moisture:	12.81
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	SW7471_DIG
Prepared Date/Time:	10/11/2006 23:40	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Mercury	0.031	J	0.038	1	mg/kg	10/12/06 13:55

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-006A	Lab Sample ID:	610040-006-004-1/2
Sample Date/Time:	10/06/2006 13:20	Percent Moisture:	12.81
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Percent Solids	87		1.0	1	%	10/11/06 14:06

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-007A	Lab Sample ID:	610040-007-006-1/2
Sample Date/Time:	10/06/2006 13:40	Percent Moisture:	7.92
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	SW3050B
Prepared Date/Time:	10/10/2006 00:00	Analytical Method:	SW6010B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Aluminum	15100	B	17.1	1	mg/kg	10/11/06 18:34
2)	Antimony	0.63	JNB	1.7	1	mg/kg	10/11/06 18:34
3)	Arsenic	9.1	B	1.7	1	mg/kg	10/11/06 18:34
4)	Barium	79.3	NB	0.43	1	mg/kg	10/11/06 18:34
5)	Beryllium	0.81	B	0.17	1	mg/kg	10/11/06 18:34
6)	Cadmium	0.78	B	0.51	1	mg/kg	10/11/06 18:34
7)	Calcium	23600		85.5	1	mg/kg	10/11/06 18:34
8)	Chromium	22.0		0.43	1	mg/kg	10/11/06 18:34
9)	Cobalt	15.6	B	0.43	1	mg/kg	10/11/06 18:34
10)	Copper	40.3	B	0.86	1	mg/kg	10/11/06 18:34
11)	Iron	32700	B	12.8	1	mg/kg	10/11/06 18:34
12)	Lead	16.2	B	0.86	1	mg/kg	10/11/06 18:34
13)	Magnesium	8480	B	21.4	1	mg/kg	10/11/06 18:34
14)	Manganese	679	B	0.43	1	mg/kg	10/11/06 18:34
15)	Nickel	35.6	B	0.86	1	mg/kg	10/11/06 18:34
16)	Potassium	2150	N	21.4	1	mg/kg	10/11/06 18:34
17)	Selenium	0.44	J	1.7	1	mg/kg	10/12/06 16:55
18)	Silver	BQL	U	0.43	1	mg/kg	10/12/06 16:55
19)	Thallium	0.50	J	2.6	1	mg/kg	10/11/06 18:34
20)	Vanadium	24.8	NB	0.86	1	mg/kg	10/11/06 18:34
21)	Zinc	92.0		1.7	1	mg/kg	10/11/06 18:34

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-007A	Lab Sample ID:	610040-007-006-1/2
Sample Date/Time:	10/06/2006 13:40	Percent Moisture:	7.92
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	SW7471_DIG
Prepared Date/Time:	10/11/2006 23:40	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Mercury	0.041		0.033	1	mg/kg	10/12/06 13:57

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-007A	Lab Sample ID:	610040-007-006-1/2
Sample Date/Time:	10/06/2006 13:40	Percent Moisture:	7.92
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Percent Solids	92		1.0	1	%	10/11/06 14:06

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-008A	Lab Sample ID:	610040-008-008-1/2
Sample Date/Time:	10/06/2006 14:15	Percent Moisture:	12.89
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	SW3050B
Prepared Date/Time:	10/10/2006 00:00	Analytical Method:	SW6010B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	<b>Aluminum</b>	<b>15800</b>	<b>B</b>	<b>18.4</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 19:24</b>
2)	Antimony	0.39	JNB	1.8	1	mg/kg	10/11/06 19:24
3)	<b>Arsenic</b>	<b>9.9</b>		<b>1.8</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 19:24</b>
4)	<b>Barium</b>	<b>97.4</b>	<b>NB</b>	<b>0.46</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 19:24</b>
5)	<b>Beryllium</b>	<b>0.84</b>	<b>B</b>	<b>0.18</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 19:24</b>
6)	<b>Cadmium</b>	<b>0.81</b>	<b>B</b>	<b>0.55</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 19:24</b>
7)	<b>Calcium</b>	<b>28700</b>		<b>91.8</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 19:24</b>
8)	<b>Chromium</b>	<b>23.0</b>		<b>0.46</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 19:24</b>
9)	<b>Cobalt</b>	<b>15.4</b>	<b>B</b>	<b>0.46</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 19:24</b>
10)	<b>Copper</b>	<b>44.0</b>	<b>B</b>	<b>0.92</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 19:24</b>
11)	<b>Iron</b>	<b>35300</b>	<b>B</b>	<b>13.8</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 19:24</b>
12)	<b>Lead</b>	<b>17.2</b>	<b>B</b>	<b>0.92</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 19:24</b>
13)	<b>Magnesium</b>	<b>9120</b>	<b>B</b>	<b>23</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 19:24</b>
14)	<b>Manganese</b>	<b>646</b>	<b>B</b>	<b>0.46</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 19:24</b>
15)	<b>Nickel</b>	<b>36.9</b>	<b>B</b>	<b>0.92</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 19:24</b>
16)	<b>Potassium</b>	<b>2300</b>	<b>N</b>	<b>23</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 19:24</b>
17)	Selenium	0.58	J	1.8	1	mg/kg	10/12/06 17:03
18)	Silver	BQL	U	0.46	1	mg/kg	10/12/06 17:03
19)	Thallium	BQL	U	2.8	1	mg/kg	10/11/06 19:24
20)	<b>Vanadium</b>	<b>25.7</b>	<b>NB</b>	<b>0.92</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 19:24</b>
21)	<b>Zinc</b>	<b>92.4</b>		<b>1.8</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06 19:24</b>

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-008A	Lab Sample ID:	610040-008-008-1/2
Sample Date/Time:	10/06/2006 14:15	Percent Moisture:	12.89
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	SW7471_DIG
Prepared Date/Time:	10/11/2006 23:40	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Mercury	0.023	J	0.037	1	mg/kg	10/12/06 13:59

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-008A	Lab Sample ID:	610040-008-008-1/2
Sample Date/Time:	10/06/2006 14:15	Percent Moisture:	12.89
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Percent Solids	87		1.0	1	%	10/11/06 14:06



# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-010A	Lab Sample ID:	610040-009-010-1/2
Sample Date/Time:	10/06/2006 15:00	Percent Moisture:	13.35
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	SW3050B
Prepared Date/Time:	10/10/2006 00:00	Analytical Method:	SW6010B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Aluminum	15800	B	18	1	mg/kg	10/11/06 19:32
2)	Antimony	0.58	JNB	1.8	1	mg/kg	10/11/06 19:32
3)	Arsenic	9.3		1.8	1	mg/kg	10/11/06 19:32
4)	Barium	133	NB	0.45	1	mg/kg	10/11/06 19:32
5)	Beryllium	0.80	B	0.18	1	mg/kg	10/11/06 19:32
6)	Cadmium	0.66	B	0.54	1	mg/kg	10/11/06 19:32
7)	Calcium	22900		90.2	1	mg/kg	10/11/06 19:32
8)	Chromium	21.6		0.45	1	mg/kg	10/11/06 19:32
9)	Cobalt	14.6	B	0.45	1	mg/kg	10/11/06 19:32
10)	Copper	36.3	B	0.9	1	mg/kg	10/11/06 19:32
11)	Iron	32400	B	13.5	1	mg/kg	10/11/06 19:32
12)	Lead	16.7	B	0.9	1	mg/kg	10/11/06 19:32
13)	Magnesium	7120	B	22.5	1	mg/kg	10/11/06 19:32
14)	Manganese	622	B	0.45	1	mg/kg	10/11/06 19:32
15)	Nickel	31.7	B	0.9	1	mg/kg	10/11/06 19:32
16)	Potassium	1870	N	22.5	1	mg/kg	10/11/06 19:32
17)	Selenium	0.84	J	1.8	1	mg/kg	10/12/06 17:11
18)	Silver	BQL	U	0.45	1	mg/kg	10/12/06 17:11
19)	Thallium	0.66	J	2.7	1	mg/kg	10/11/06 19:32
20)	Vanadium	26.0	NB	0.9	1	mg/kg	10/11/06 19:32
21)	Zinc	95.9		1.8	1	mg/kg	10/11/06 19:32

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-010A	Lab Sample ID:	610040-009-010-1/2
Sample Date/Time:	10/06/2006 15:00	Percent Moisture:	13.35
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	SW7471_DIG
Prepared Date/Time:	10/11/2006 23:40	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Mercury	0.026	J	0.032	1	mg/kg	10/12/06 14:01

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	EX-AOI5-010A	Lab Sample ID:	610040-009-010-1/2
Sample Date/Time:	10/06/2006 15:00	Percent Moisture:	13.35
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Percent Solids	87		1.0	1	%	10/11/06 14:06

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DUP10606	Lab Sample ID:	610040-011-012-1/3
Sample Date/Time:	10/06/2006 00:00	Percent Moisture:	8.76
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	SW3550
Prepared Date/Time:	10/09/2006 00:00	Analytical Method:	SW8081A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	4,4-DDD	BQL	U	1.8	1	ug/kg	10/12/06	00:28
2)	4,4-DDE	BQL	U	1.8	1	ug/kg	10/12/06	00:28
3)	4,4-DDT	BQL	U	1.8	1	ug/kg	10/12/06	00:28
4)	Aldrin	BQL	U	1.8	1	ug/kg	10/12/06	00:28
5)	Alpha-BHC	BQL	U	1.8	1	ug/kg	10/12/06	00:28
6)	Beta-BHC	BQL	U	1.8	1	ug/kg	10/12/06	00:28
7)	Chlordane	BQL	U	37	1	ug/kg	10/12/06	00:28
8)	Delta-BHC	BQL	U	1.8	1	ug/kg	10/12/06	00:28
9)	Dieldrin	BQL	U	1.8	1	ug/kg	10/12/06	00:28
10)	Endosulfan I	BQL	U	1.8	1	ug/kg	10/12/06	00:28
11)	Endosulfan II	BQL	U	1.8	1	ug/kg	10/12/06	00:28
12)	Endosulfan Sulfate	BQL	U	1.8	1	ug/kg	10/12/06	00:28
13)	Endrin	BQL	U	1.8	1	ug/kg	10/12/06	00:28
14)	Gamma-BHC (Lindane)	BQL	U	1.8	1	ug/kg	10/12/06	00:28
15)	Heptachlor	BQL	U	1.8	1	ug/kg	10/12/06	00:28
16)	Heptachlor Epoxide	BQL	U	1.8	1	ug/kg	10/12/06	00:28
17)	Methoxychlor	BQL	U	1.8	1	ug/kg	10/12/06	00:28

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
18)	Decachlorobiphenyl	103 %	36 - 120	1	10/12/06	00:28
19)	Decachlorobiphenyl	102 %	36 - 120	1	10/12/06	00:28
20)	Tetrachloro-m-xylene	87 %	36 - 120	1	10/12/06	00:28
21)	Tetrachloro-m-xylene	93 %	36 - 120	1	10/12/06	00:28

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DUP10606	Lab Sample ID:	610040-011-012-1/3
Sample Date/Time:	10/06/2006 00:00	Percent Moisture:	8.76
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	SW3050B
Prepared Date/Time:	10/10/2006 00:00	Analytical Method:	SW6010B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	<b>Aluminum</b>	<b>15700</b>	<b>B</b>	<b>17.7</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06</b>	<b>19:40</b>
2)	Antimony	0.88	JNB	1.8	1	mg/kg	10/11/06	19:40
3)	<b>Arsenic</b>	<b>10.0</b>		<b>1.8</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06</b>	<b>19:40</b>
4)	<b>Barium</b>	<b>81.7</b>	<b>NB</b>	<b>0.44</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06</b>	<b>19:40</b>
5)	<b>Beryllium</b>	<b>0.83</b>	<b>B</b>	<b>0.18</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06</b>	<b>19:40</b>
6)	<b>Cadmium</b>	<b>0.88</b>	<b>B</b>	<b>0.53</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06</b>	<b>19:40</b>
7)	<b>Calcium</b>	<b>34900</b>		<b>88.4</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06</b>	<b>19:40</b>
8)	<b>Chromium</b>	<b>22.7</b>		<b>0.44</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06</b>	<b>19:40</b>
9)	<b>Cobalt</b>	<b>16.7</b>	<b>B</b>	<b>0.44</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06</b>	<b>19:40</b>
10)	<b>Copper</b>	<b>43.2</b>	<b>B</b>	<b>0.88</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06</b>	<b>19:40</b>
11)	<b>Iron</b>	<b>35000</b>	<b>B</b>	<b>13.3</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06</b>	<b>19:40</b>
12)	<b>Lead</b>	<b>16.0</b>	<b>B</b>	<b>0.88</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06</b>	<b>19:40</b>
13)	<b>Magnesium</b>	<b>8750</b>	<b>B</b>	<b>22.1</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06</b>	<b>19:40</b>
14)	<b>Manganese</b>	<b>945</b>	<b>B</b>	<b>0.44</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06</b>	<b>19:40</b>
15)	<b>Nickel</b>	<b>42.1</b>	<b>B</b>	<b>0.88</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06</b>	<b>19:40</b>
16)	<b>Potassium</b>	<b>2050</b>	<b>N</b>	<b>22.1</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06</b>	<b>19:40</b>
17)	Selenium	0.68	J	1.8	1	mg/kg	10/12/06	17:19
18)	Silver	BQL	U	0.44	1	mg/kg	10/12/06	17:19
19)	Thallium	0.44	J	2.7	1	mg/kg	10/11/06	19:40
20)	<b>Vanadium</b>	<b>25.3</b>	<b>NB</b>	<b>0.88</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06</b>	<b>19:40</b>
21)	<b>Zinc</b>	<b>93.9</b>		<b>1.8</b>	<b>1</b>	<b>mg/kg</b>	<b>10/11/06</b>	<b>19:40</b>

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DUP10606	Lab Sample ID:	610040-011-012-1/3
Sample Date/Time:	10/06/2006 00:00	Percent Moisture:	8.76
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	SW7471_DIG
Prepared Date/Time:	10/11/2006 23:40	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Mercury	0.045		0.034	1	mg/kg	10/12/06 14:03

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DUP10606	Lab Sample ID:	610040-011-012-1/3
Sample Date/Time:	10/06/2006 00:00	Percent Moisture:	8.76
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	Percent Solids	91		1.0	1	%	10/11/06 14:06

# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DUP10606	Lab Sample ID:	610040-011-015-1/1
Sample Date/Time:	10/06/2006 00:00	Percent Moisture:	8.76
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	SW5030B
Prepared Date/Time:	10/10/2006 07:09	Analytical Method:	SW8260B

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time
1)	1,1,1-Trichloroethane	BQL	U	5.5	1	ug/kg	10/10/06 16:46
2)	1,1,2,2-Tetrachloroethane	BQL	U	5.5	1	ug/kg	10/10/06 16:46
3)	1,1,2-Trichloroethane	BQL	U	5.5	1	ug/kg	10/10/06 16:46
4)	1,1-Dichloroethane	BQL	U	5.5	1	ug/kg	10/10/06 16:46
5)	1,1-Dichloroethene	BQL	U	5.5	1	ug/kg	10/10/06 16:46
6)	1,2-Dichlorobenzene	BQL	U	5.5	1	ug/kg	10/10/06 16:46
7)	1,2-Dichloroethane	BQL	U	5.5	1	ug/kg	10/10/06 16:46
8)	1,3-Dichlorobenzene	BQL	U	5.5	1	ug/kg	10/10/06 16:46
9)	1,4-Dichlorobenzene	BQL	U	5.5	1	ug/kg	10/10/06 16:46
10)	2-Butanone	BQL	U	11	1	ug/kg	10/10/06 16:46
11)	4-Methyl-2-Pentanone	BQL	U	11	1	ug/kg	10/10/06 16:46
12)	Acetone	BQL	U	11	1	ug/kg	10/10/06 16:46
13)	Benzene	BQL	U	5.5	1	ug/kg	10/10/06 16:46
14)	Bromomethane	BQL	U	11	1	ug/kg	10/10/06 16:46
15)	Carbon Disulfide	BQL	U	5.5	1	ug/kg	10/10/06 16:46
16)	Carbon Tetrachloride	BQL	U	5.5	1	ug/kg	10/10/06 16:46
17)	Chlorobenzene	BQL	U	5.5	1	ug/kg	10/10/06 16:46
18)	Chloroethane	BQL	U	11	1	ug/kg	10/10/06 16:46
19)	Chloroform	BQL	U	5.5	1	ug/kg	10/10/06 16:46
20)	Chloromethane	BQL	U	11	1	ug/kg	10/10/06 16:46
21)	Dibromochloromethane	BQL	U	5.5	1	ug/kg	10/10/06 16:46
22)	Ethylbenzene	BQL	U	5.5	1	ug/kg	10/10/06 16:46
23)	Methylene Chloride	BQL	U	11	1	ug/kg	10/10/06 16:46
24)	Styrene	BQL	U	5.5	1	ug/kg	10/10/06 16:46
25)	Tetrachloroethylene	BQL	U	5.5	1	ug/kg	10/10/06 16:46
26)	Toluene	BQL	U	5.5	1	ug/kg	10/10/06 16:46
27)	Trichloroethene	BQL	U	5.5	1	ug/kg	10/10/06 16:46
28)	Vinyl Chloride	BQL	U	11	1	ug/kg	10/10/06 16:46



# Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	DUP10606	Lab Sample ID:	610040-011-015-1/1
Sample Date/Time:	10/06/2006 00:00	Percent Moisture:	8.76
Receipt Date/Time:	10/07/2006 11:00	Preparation Method:	SW5030B
Prepared Date/Time:	10/10/2006 07:09	Analytical Method:	SW8260B

29) Xylenes, Total	BQL U	5.5	1	ug/kg	10/10/06	16:46
30) trans-1,2-dichloroethene	BQL U	5.5	1	ug/kg	10/10/06	16:46

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time
31)	1,2-Dichlorobenzene-d4	107 %	65 - 123	1	10/10/06 16:46
32)	1,2-Dichloroethane-d4	94 %	65 - 125	1	10/10/06 16:46
33)	4-Bromofluorobenzene	114 %	85 - 120	1	10/10/06 16:46
34)	Toluene-D8	90 %	85 - 115	1	10/10/06 16:46

# GPL Laboratories, LLLP

## Qualifier Definitions

Shaw E&I, Inc

Work Order: 610040

### All Departments

- U Indicates that the compound was analyzed for but not detected
- BQL Below Quantitation Limit

### Organics

- B Indicates that the analyte was found in the associated blank as well as in the sample
- D Indicates that the analyte was reported from a diluted analysis
- E Indicates that the concentration detected exceeded the calibration range of the instrument
- J Value is less than the reporting limit but greater than the MDL
- P Indicates that there is greater than 25% difference for detected pesticide/Arochlor results between the two GC columns

### Metals

- J Indicates that the reported value was less than the reporting limit but greater than or equal to the IDL/MDL
- E Indicates that the reported value is estimated because of the possible presence of interference (i.e. the serial dilution not within control limits)
- H Indicates that the element was found in the associated blank as well as in the sample and the value is greater than or equal to the reporting limit
- D Indicates that the analyte was reported from a diluted analysis
- N Spiked sample recovery not within control limits
- \* Duplicate analysis not within control limits

SDG: 610040

**GPL LABORATORIES, LLP**

78114 Corporate Blvd  
Houston, TX 77064  
501/625-3418  
1-800/666-5751

**အထွေထွေ အချက်အလက်**

**प्रश्न ५५**

[illegible]

## SDG: 610040

Page 46 of 47  
Printed: 11/3/06  
Version 2.4.2 (Build 0)

# GPL Laboratories, LLLP

## Chain of Custody

Shaw E&I, Inc

SDG: 610040

### GPL Laboratories, LLLP

#### Figure 1 SAMPLE RECEIPT CHECKLIST

W.C. No: <u>610040</u>	Carrier Name: <u>VPS</u>																																								
Client Name: <u>Shaw</u>	Prepared & Signed In By: <u>MD</u> <u>10/9/06</u>																																								
Date Received: <u>10/7/06</u>	Initials Date																																								
Time Received: <u>10 AM</u>	Project: _____																																								
Received by: <u>MD</u>	Site: _____																																								
	VOA Holding Bank ID No: _____																																								
Air. Identifier Present? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO No. _____	Two Blanks: No. of Sets _____ YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Field Blank: No. of Sets _____ Equip. Blank: No. of Sets _____ Field Duplicate: No. of Sets _____ MS/MSD: No. of Sets _____																																								
Shipping Container in Good Condition? <input checked="" type="checkbox"/>	VOA Vials Have Zero Headspace? <input checked="" type="checkbox"/>																																								
Custody Seals Present on Shipping Container? Condition: Broken _____ intact-not dated or signed _____ intact-dated and signed _____	Preservatives Added to Sample? _____ pH Check Required? _____ Performed By? _____																																								
Usage of Tamper Evident Type <input checked="" type="checkbox"/>	Ice Present in Shipping Container? <input checked="" type="checkbox"/>																																								
Chain-of-Custody Present? <input checked="" type="checkbox"/>	<table border="1"> <thead> <tr> <th>Container #</th> <th>Temp</th> <th>Container #</th> <th>Temp</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2-8</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Container #	Temp	Container #	Temp	1	2-8																																		
Container #	Temp	Container #	Temp																																						
1	2-8																																								
Chain-of-Custody Agrees with Sample Label? <input checked="" type="checkbox"/>																																									
Chain-of-Custody Signed? <input checked="" type="checkbox"/>																																									
Packing Present in Shipping Container? <input checked="" type="checkbox"/>																																									
Type of Packing _____																																									
Custody seals on Sample Bottles? <input checked="" type="checkbox"/>																																									
Condition: Good _____ Broken _____																																									
Pots: Number of Sample Bottles <u>30</u>																																									
Total Number of Samples <u>10</u>																																									
San plus filter? <input checked="" type="checkbox"/>																																									
Sufficient Sample Volume for Indicated Test? <input checked="" type="checkbox"/>	Project Manager Contacted? <u>Tim</u> Name: _____ Date Contacted: <u>10/9/06</u>																																								

Any NO responses must be explained in the comments section below. If the response applies to part of the sample, the owner must specify should be marked N/A.

COMMENTS No Trip Blank was received, log in but on HOLD

Checklist Completed By: MD

Date: 10/9/06

SOP No. F.2V17



## Shaw Environmental & Infrastructure, Inc.

### Data Usability Report

16406 U.S. Route 224 East • Findlay, Ohio 45840

Findlay Ohio Office – Federal Technical Services

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<b>PROJECT NUMBER:</b>	115215	<b>SAMPLE RECEIPT DATE:</b>	09/07/2006
<b>PROJECT MANAGER:</b>	Tom Mathison	<b>LABORATORY SDG:</b>	060908001
<b>PROJECT NAME:</b>	USACE-Schenectady		

---

The Findlay Ohio Applied Sciences Group has performed a QA evaluation of the data report from Adirondack Environmental Services, Inc., Albany, NY. The results are for samples collected at the Former Schenectady Army Depot (AOC 2), Voorheesville Area, New York by on-site Shaw E & I personnel. The samples were analyzed for the parameters listed in the Sample Summary Table below.

Sample Summary Table			
Sample Number	Collection Date	Matrix	Analysis Requested
EX-F-23; EX-F-24; EX-F-25; EX-F-26; EX-F-27	09/07/2006	Soil	Target Metals SW-6010B/ 7471A VOCs-SW8260B

All samples were received at the laboratory intact and sample analyses were performed within the required holding times. The cooler was submitted with chain-of-custody forms and was received having an ambient temperature of 26°C upon opening the sample cooler. The Trip Blank was written on the COC and was present in the cooler. The laboratory provided an electronic copy of the data within the specified turn around time. The following describes the overall QA/QC indicators.

#### VOC Analysis in Soil by 8260B

The GC/MS system was tuned and calibrated in accordance with method requirements. The integrity of the primary standards was validated through analysis of a second source standard. Calibration check samples verified instrument calibration and all analyses were performed within valid 12-hour tune clocks. The ISTD areas were within the required values for all analytical runs.

**Method Blank:** The LCB contained no reported analytes at a concentration above the RL/PQL

**LCS:** The LCS recoveries are within acceptance criteria for the target analytes in all analysis sets.

**MS/MSD:** The QC Matrix recovery and precision performance, using sample EX-F-23, is within acceptance limits for all compounds.

**Surrogates:** All surrogate recoveries are within acceptable criteria.

**Trip Blank:** The Trip Blank results are below the Practical Quantitation Limit (PQL) for the target analytes with the following exception: 5.6 µg/L methylene chloride. The PQL for methylene chloride is 5µg/L. There appears to be a possible methylene chloride contamination in all samples. The concentration of methylene chloride ranges from 6 to 10 µg/Kg. It is possible that a majority of this contamination could be attributed to the laboratory since the contamination is present in every sample and the detected concentrations are very similar. Since the TAGM 4046 RSCO for this analyte is 100ug/Kg and is significantly above the apparent contamination response no affect on data usability or need for qualification has resulted.

Reported results can be utilized with confidence. Data users should be cautioned to not utilize the methylene chloride for the reasons stated in the VOC Trip Blank QA/QC review.

#### **Metals Analysis in Soil by SW6010B and SW7471A**

The ICP and CVAA systems were calibrated for the target analytes in accordance with method requirements. All instrument interference check samples were within control limits with the exceptions noted in the discussion below. The initial and continuing calibration check samples were not reported. The initial calibration blank results were below reporting limits.

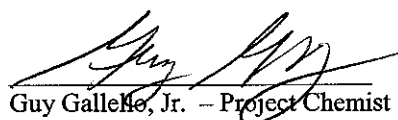
**Method Blanks:** The method blank results are below reporting limits.

**LCS:** The LCS recoveries are within acceptance criteria for the target analytes with the following exception: Lead % recovery was flagged with an "S" at 124% with a result of 95µg/g for a spiked value of 76.8 µg/g.

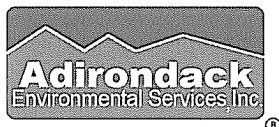
**QC Matrix:** The MS recovery and precision for sample EX-F-23, are within acceptance limits for all analytes for which the native concentration was less then 4X the spike concentration except for antimony (47.7%R) and silver (50..1%R) and lead (134%R). The high bias in the lead values has no bearing on data usability. The antimony concentrations are significantly above the TAGM 4046 RSCO's in all samples resulting in no effect on data usability from the potential low bias for this analyte. The duplicate precision met all criteria.

#### **Summary of Analysis**

The overall Quality Control data provided in the laboratory report is representative of adequate method accuracy and precision with regard to project objectives. The reported data should be utilized, without reservation, for the intended project decision-making process.

  
Guy Gallella, Jr. -- Project Chemist

12/1/2006  
Date



**Experience is the solution**

314 North Pearl Street ♦ Albany, New York 12207  
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

November 21, 2006

Guy Gallelo  
Shaw Environmental & Infrastructure  
16406 US Route 224 East  
Findlay, OH 45840

TEL: (419) 425-6080  
FAX: (419) 425-6085

Work Order No: 060908001  
PO#: 212830 OP

RE: Schenectady Army Depot

Dear Guy Gallelo:

Adirondack Environmental Services, Inc received 6 samples on 9/7/2006 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Christopher Hess  
QA Manager

ELAP#: 10709  
AIHA#: 100307

G. Gallelo - FAX

---

**Qualifiers:**

ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentitively Identified Compound-Estimated Conc.  
E - Value above quantitation range



# Adirondack Environmental Services, Inc

Date: 21-Nov-06

CLIENT: Shaw Environmental & Infrastructure

Client Sample ID: EX-F-23

Work Order: 060908001

Collection Date: 9/7/2006

Project: Schenectady Army Depot

Lab Sample ID: 060908001-001

PO#: 212830 OP

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## ICP METALS SW6010B

Analyst: SM

( Prep: SW3050A - 9/8/2006 )

Aluminum	8500	21.7		µg/g-dry	1	9/8/2006 12:45:00 PM
Antimony	7.9	13.0	JS	µg/g-dry	1	9/8/2006 12:45:00 PM
Arsenic	< 1.08	1.08		µg/g-dry	1	9/8/2006 12:45:00 PM
Barium	42.9	2.17		µg/g-dry	1	9/8/2006 12:45:00 PM
Beryllium	0.40	1.08	J	µg/g-dry	1	9/8/2006 12:45:00 PM
Cadmium	< 1.08	1.08		µg/g-dry	1	9/8/2006 12:45:00 PM
Calcium	19900	108		µg/g-dry	1	9/8/2006 12:45:00 PM
Chromium	14.3	1.08		µg/g-dry	1	9/8/2006 12:45:00 PM
Cobalt	12.7	10.8		µg/g-dry	1	9/8/2006 12:45:00 PM
Copper	23.0	1.08		µg/g-dry	1	9/8/2006 12:45:00 PM
Iron	15900	10.8		µg/g-dry	1	9/8/2006 12:45:00 PM
Lead	< 1.08	1.08		µg/g-dry	1	9/8/2006 12:45:00 PM
Magnesium	7490	108		µg/g-dry	1	9/8/2006 12:45:00 PM
Manganese	444	2.17	S	µg/g-dry	1	9/8/2006 12:45:00 PM
Nickel	1.7	10.8	J	µg/g-dry	1	9/8/2006 12:45:00 PM
Potassium	1230	108		µg/g-dry	1	9/8/2006 12:45:00 PM
Selenium	< 1.08	1.08		µg/g-dry	1	9/8/2006 12:45:00 PM
Silver	< 4.33	4.33	S	µg/g-dry	1	9/8/2006 12:45:00 PM
Sodium	136	108		µg/g-dry	1	9/8/2006 12:45:00 PM
Thallium	< 2.17	2.17	S	µg/g-dry	1	9/8/2006 12:45:00 PM
Vanadium	10.8	10.8		µg/g-dry	1	9/8/2006 12:45:00 PM
Zinc	54.0	2.17		µg/g-dry	1	9/8/2006 12:45:00 PM

## MERCURY SW7471A

Analyst: KH

( Prep: SW7471A - 9/8/2006 )

Mercury	< 0.217	0.217		µg/g-dry	1	9/8/2006
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## VOLATILE ORGANICS SW8260B

Analyst: ML

Chloromethane	< 11	11		µg/Kg-dry	1	9/8/2006 1:58:00 PM
Bromomethane	< 11	11		µg/Kg-dry	1	9/8/2006 1:58:00 PM
Vinyl chloride	< 11	11		µg/Kg-dry	1	9/8/2006 1:58:00 PM
Chloroethane	< 11	11		µg/Kg-dry	1	9/8/2006 1:58:00 PM
Methylene chloride	10	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
Acetone	< 11	11		µg/Kg-dry	1	9/8/2006 1:58:00 PM
Carbon disulfide	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
1,1-Dichloroethene	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
1,1-Dichloroethane	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range

# Adirondack Environmental Services, Inc

Date: 21-Nov-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908001  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** EX-F-23  
**Collection Date:** 9/7/2006  
**Lab Sample ID:** 060908001-001  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: ML
trans-1,2-Dichloroethene	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
cis-1,2-Dichloroethene	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
Chloroform	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
1,2-Dichloroethane	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
2-Butanone	120	11		µg/Kg-dry	1	9/8/2006 1:58:00 PM
1,1,1-Trichloroethane	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
Carbon tetrachloride	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
Bromodichloromethane	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
1,2-Dichloropropane	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
cis-1,3-Dichloropropene	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
Trichloroethene	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
Dibromochloromethane	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
1,1,2-Trichloroethane	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
Benzene	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
trans-1,3-Dichloropropene	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
Bromoform	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
4-Methyl-2-pentanone	< 11	11		µg/Kg-dry	1	9/8/2006 1:58:00 PM
2-Hexanone	< 11	11		µg/Kg-dry	1	9/8/2006 1:58:00 PM
Tetrachloroethene	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
1,1,2,2-Tetrachloroethane	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
Toluene	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
Chlorobenzene	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
Ethylbenzene	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
Styrene	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
m,p-Xylene	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
o-Xylene	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
Methyl tert-butyl ether	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
Dichlorodifluoromethane	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
Methyl Acetate	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
Trichlorofluoromethane	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
Cyclohexane	< 11	11		µg/Kg-dry	1	9/8/2006 1:58:00 PM
Methyl Cyclohexane	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
1,2-Dibromoethane	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
1,3-Dichlorobenzene	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
Isopropylbenzene	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
1,4-Dichlorobenzene	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
1,2-Dichlorobenzene	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range

**Adirondack Environmental Services, Inc**

Date: 21-Nov-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908001  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** EX-F-23  
**Collection Date:** 9/7/2006  
**Lab Sample ID:** 060908001-001  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: <b>ML</b>
1,2-Dibromo-3-chloropropane	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
1,2,4-Trichlorobenzene	< 5	5		µg/Kg-dry	1	9/8/2006 1:58:00 PM
<b>MOISURE CONTENT D2216</b>						Analyst: <b>RC</b>
Percent Moisture	7.6	1.0		wt%	1	9/8/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentitively Identified Compound-Estimated Conc.  
E - Value above quantitation range

# Adirondack Environmental Services, Inc

Date: 21-Nov-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908001  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** EX-F-24  
**Collection Date:** 9/7/2006  
**Lab Sample ID:** 060908001-002  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS SW6010B</b>						Analyst: SM
( Prep: SW3050A - 9/8/2006 )						
Aluminum	11300	25.7		µg/g-dry	1	9/8/2006 1:20:00 PM
Antimony	85.3	15.4	S	µg/g-dry	1	9/8/2006 1:20:00 PM
Arsenic	< 1.28	1.28		µg/g-dry	1	9/8/2006 1:20:00 PM
Barium	3070	2.57		µg/g-dry	1	9/8/2006 1:20:00 PM
Beryllium	0.68	1.28	J	µg/g-dry	1	9/8/2006 1:20:00 PM
Cadmium	0.01	1.28	J	µg/g-dry	1	9/8/2006 1:20:00 PM
Calcium	3860	128		µg/g-dry	1	9/8/2006 1:20:00 PM
Chromium	25.9	1.28		µg/g-dry	1	9/8/2006 1:20:00 PM
Cobalt	316	12.8		µg/g-dry	1	9/8/2006 1:20:00 PM
Copper	32.7	1.28		µg/g-dry	1	9/8/2006 1:20:00 PM
Iron	20800	128		µg/g-dry	10	9/8/2006 1:40:00 PM
Lead	< 1.28	1.28		µg/g-dry	1	9/8/2006 1:20:00 PM
Magnesium	5790	128		µg/g-dry	1	9/8/2006 1:20:00 PM
Manganese	287	2.57	S	µg/g-dry	1	9/8/2006 1:20:00 PM
Nickel	2.5	12.8	J	µg/g-dry	1	9/8/2006 1:20:00 PM
Potassium	925	128		µg/g-dry	1	9/8/2006 1:20:00 PM
Selenium	< 1.28	1.28		µg/g-dry	1	9/8/2006 1:20:00 PM
Silver	< 5.13	5.13	S	µg/g-dry	1	9/8/2006 1:20:00 PM
Sodium	170	128		µg/g-dry	1	9/8/2006 1:20:00 PM
Thallium	< 2.57	2.57	S	µg/g-dry	1	9/8/2006 1:20:00 PM
Vanadium	15.6	12.8		µg/g-dry	1	9/8/2006 1:20:00 PM
Zinc	1040	2.57		µg/g-dry	1	9/8/2006 1:20:00 PM
<b>MERCURY SW7471A</b>						Analyst: KH
( Prep: SW7471A - 9/8/2006 )						
Mercury	< 0.257	0.257		µg/g-dry	1	9/8/2006
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: ML
Chloromethane	< 13	13		µg/Kg-dry	1	9/8/2006 6:02:00 PM
Bromomethane	< 13	13		µg/Kg-dry	1	9/8/2006 6:02:00 PM
Vinyl chloride	< 13	13		µg/Kg-dry	1	9/8/2006 6:02:00 PM
Chloroethane	< 13	13		µg/Kg-dry	1	9/8/2006 6:02:00 PM
Methylene chloride	8	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
Acetone	16	13		µg/Kg-dry	1	9/8/2006 6:02:00 PM
Carbon disulfide	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
1,1-Dichloroethene	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
1,1-Dichloroethane	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range

# Adirondack Environmental Services, Inc

Date: 21-Nov-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908001  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** EX-F-24  
**Collection Date:** 9/7/2006  
**Lab Sample ID:** 060908001-002  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: ML
trans-1,2-Dichloroethene	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
cis-1,2-Dichloroethene	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
Chloroform	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
1,2-Dichloroethane	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
2-Butanone	< 13	13		µg/Kg-dry	1	9/8/2006 6:02:00 PM
1,1,1-Trichloroethane	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
Carbon tetrachloride	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
Bromodichloromethane	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
1,2-Dichloropropane	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
cis-1,3-Dichloropropene	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
Trichloroethene	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
Dibromochloromethane	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
1,1,2-Trichloroethane	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
Benzene	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
trans-1,3-Dichloropropene	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
Bromoform	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
4-Methyl-2-pentanone	< 13	13		µg/Kg-dry	1	9/8/2006 6:02:00 PM
2-Hexanone	< 13	13		µg/Kg-dry	1	9/8/2006 6:02:00 PM
Tetrachloroethene	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
1,1,2,2-Tetrachloroethane	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
Toluene	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
Chlorobenzene	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
Ethylbenzene	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
Styrene	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
m,p-Xylene	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
o-Xylene	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
Methyl tert-butyl ether	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
Dichlorodifluoromethane	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
Methyl Acetate	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
Trichlorofluoromethane	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
Cyclohexane	< 13	13		µg/Kg-dry	1	9/8/2006 6:02:00 PM
Methyl Cyclohexane	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
1,2-Dibromoethane	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
1,3-Dichlorobenzene	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
Isopropylbenzene	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
1,4-Dichlorobenzene	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
1,2-Dichlorobenzene	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range

**Adirondack Environmental Services, Inc**

Date: 21-Nov-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908001  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** EX-F-24  
**Collection Date:** 9/7/2006  
**Lab Sample ID:** 060908001-002  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: ML
1,2-Dibromo-3-chloropropane	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
1,2,4-Trichlorobenzene	< 6	6		µg/Kg-dry	1	9/8/2006 6:02:00 PM
<b>MOISURE CONTENT D2216</b>						Analyst: RC
Percent Moisture	22.1	1.0		wt%	1	9/8/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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R - RPD outside accepted recovery limits  
T - Tentitively Identified Compound-Estimated Conc.  
E - Value above quantitation range

# Adirondack Environmental Services, Inc

Date: 21-Nov-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908001  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** EX-F-25  
**Collection Date:** 9/7/2006  
**Lab Sample ID:** 060908001-003  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS SW6010B</b>						Analyst: <b>SM</b>
( Prep: SW3050A - 9/8/2006 )						
Aluminum	10400	22.6		µg/g-dry	1	9/8/2006 1:27:00 PM
Antimony	34.4	13.6	S	µg/g-dry	1	9/8/2006 1:27:00 PM
Arsenic	0.91	1.13	J	µg/g-dry	1	9/8/2006 1:27:00 PM
Barium	721	2.26		µg/g-dry	1	9/8/2006 1:27:00 PM
Beryllium	0.73	1.13	J	µg/g-dry	1	9/8/2006 1:27:00 PM
Cadmium	< 1.13	1.13		µg/g-dry	1	9/8/2006 1:27:00 PM
Calcium	19800	113		µg/g-dry	1	9/8/2006 1:27:00 PM
Chromium	19.3	1.13		µg/g-dry	1	9/8/2006 1:27:00 PM
Cobalt	81.7	11.3		µg/g-dry	1	9/8/2006 1:27:00 PM
Copper	28.3	1.13		µg/g-dry	1	9/8/2006 1:27:00 PM
Iron	17000	11.3		µg/g-dry	1	9/8/2006 1:27:00 PM
Lead	< 1.13	1.13		µg/g-dry	1	9/8/2006 1:27:00 PM
Magnesium	8530	113		µg/g-dry	1	9/8/2006 1:27:00 PM
Manganese	497	2.26	S	µg/g-dry	1	9/8/2006 1:27:00 PM
Nickel	2.9	11.3	J	µg/g-dry	1	9/8/2006 1:27:00 PM
Potassium	1590	113		µg/g-dry	1	9/8/2006 1:27:00 PM
Selenium	< 1.13	1.13		µg/g-dry	1	9/8/2006 1:27:00 PM
Silver	< 4.52	4.52	S	µg/g-dry	1	9/8/2006 1:27:00 PM
Sodium	207	113		µg/g-dry	1	9/8/2006 1:27:00 PM
Thallium	< 2.26	2.26	S	µg/g-dry	1	9/8/2006 1:27:00 PM
Vanadium	14.3	11.3		µg/g-dry	1	9/8/2006 1:27:00 PM
Zinc	428	2.26		µg/g-dry	1	9/8/2006 1:27:00 PM
<b>MERCURY SW7471A</b>						Analyst: <b>KH</b>
( Prep: SW7471A - 9/8/2006 )						
Mercury	< 0.226	0.226		µg/g-dry	1	9/8/2006
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: <b>ML</b>
Chloromethane	< 11	11		µg/Kg-dry	1	9/8/2006 2:28:00 PM
Bromomethane	< 11	11		µg/Kg-dry	1	9/8/2006 2:28:00 PM
Vinyl chloride	< 11	11		µg/Kg-dry	1	9/8/2006 2:28:00 PM
Chloroethane	< 11	11		µg/Kg-dry	1	9/8/2006 2:28:00 PM
Methylene chloride	10	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
Acetone	15	11		µg/Kg-dry	1	9/8/2006 2:28:00 PM
Carbon disulfide	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
1,1-Dichloroethane	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
1,1-Dichloroethane	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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**Adirondack Environmental Services, Inc**

Date: 21-Nov-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908001  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** EX-F-25  
**Collection Date:** 9/7/2006  
**Lab Sample ID:** 060908001-003  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: <b>ML</b>
trans-1,2-Dichloroethene	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
cis-1,2-Dichloroethene	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
Chloroform	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
1,2-Dichloroethane	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
2-Butanone	< 11	11		µg/Kg-dry	1	9/8/2006 2:28:00 PM
1,1,1-Trichloroethane	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
Carbon tetrachloride	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
Bromodichloromethane	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
1,2-Dichloropropane	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
cis-1,3-Dichloropropene	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
Trichloroethene	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
Dibromochloromethane	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
1,1,2-Trichloroethane	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
Benzene	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
trans-1,3-Dichloropropene	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
Bromoform	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
4-Methyl-2-pentanone	< 11	11		µg/Kg-dry	1	9/8/2006 2:28:00 PM
2-Hexanone	< 11	11		µg/Kg-dry	1	9/8/2006 2:28:00 PM
Tetrachloroethene	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
1,1,2,2-Tetrachloroethane	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
Toluene	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
Chlorobenzene	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
Ethylbenzene	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
Styrene	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
m,p-Xylene	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
o-Xylene	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
Methyl tert-butyl ether	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
Dichlorodifluoromethane	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
Methyl Acetate	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
Trichlorofluoromethane	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
Cyclohexane	< 11	11		µg/Kg-dry	1	9/8/2006 2:28:00 PM
Methyl Cyclohexane	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
1,2-Dibromoethane	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
1,3-Dichlorobenzene	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
Isopropylbenzene	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
1,4-Dichlorobenzene	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
1,2-Dichlorobenzene	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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**Adirondack Environmental Services, Inc**

Date: 21-Nov-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908001  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** EX-F-25  
**Collection Date:** 9/7/2006  
**Lab Sample ID:** 060908001-003  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: <b>ML</b>
1,2-Dibromo-3-chloropropane	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
1,2,4-Trichlorobenzene	< 6	6		µg/Kg-dry	1	9/8/2006 2:28:00 PM
<b>MOISURE CONTENT D2216</b>						Analyst: <b>RC</b>
Percent Moisture	11.5	1.0		wt%	1	9/8/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentitively Identified Compound-Estimated Conc.  
E - Value above quantitation range

**Adirondack Environmental Services, Inc**

Date: 21-Nov-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908001  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** EX-F-26  
**Collection Date:** 9/7/2006  
**Lab Sample ID:** 060908001-004  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS SW6010B</b>						Analyst: <b>SM</b>
( Prep: SW3050A - 9/8/2006 )						
Aluminum	11700	23.6		µg/g-dry	1	9/8/2006 1:28:00 PM
Antimony	24.5	14.2	S	µg/g-dry	1	9/8/2006 1:28:00 PM
Arsenic	< 1.18	1.18		µg/g-dry	1	9/8/2006 1:28:00 PM
Barium	46.5	2.36		µg/g-dry	1	9/8/2006 1:28:00 PM
Beryllium	0.70	1.18	J	µg/g-dry	1	9/8/2006 1:28:00 PM
Cadmium	< 1.18	1.18		µg/g-dry	1	9/8/2006 1:28:00 PM
Calcium	2630	118		µg/g-dry	1	9/8/2006 1:28:00 PM
Chromium	19.8	1.18		µg/g-dry	1	9/8/2006 1:28:00 PM
Cobalt	17.3	11.8		µg/g-dry	1	9/8/2006 1:28:00 PM
Copper	34.3	1.18		µg/g-dry	1	9/8/2006 1:28:00 PM
Iron	17000	11.8		µg/g-dry	1	9/8/2006 1:28:00 PM
Lead	< 1.18	1.18		µg/g-dry	1	9/8/2006 1:28:00 PM
Magnesium	5230	118		µg/g-dry	1	9/8/2006 1:28:00 PM
Manganese	130	2.36	S	µg/g-dry	1	9/8/2006 1:28:00 PM
Nickel	11	11.8	J	µg/g-dry	1	9/8/2006 1:28:00 PM
Potassium	1040	118		µg/g-dry	1	9/8/2006 1:28:00 PM
Selenium	< 1.18	1.18		µg/g-dry	1	9/8/2006 1:28:00 PM
Silver	< 4.72	4.72	S	µg/g-dry	1	9/8/2006 1:28:00 PM
Sodium	72	118	J	µg/g-dry	1	9/8/2006 1:28:00 PM
Thallium	< 2.36	2.36	S	µg/g-dry	1	9/8/2006 1:28:00 PM
Vanadium	16.3	11.8		µg/g-dry	1	9/8/2006 1:28:00 PM
Zinc	79.3	2.36		µg/g-dry	1	9/8/2006 1:28:00 PM
<b>MERCURY SW7471A</b>						Analyst: <b>KH</b>
( Prep: SW7471A - 9/8/2006 )						
Mercury	< 0.236	0.236		µg/g-dry	1	9/8/2006
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: <b>ML</b>
Chloromethane	< 12	12		µg/Kg-dry	1	9/8/2006 2:59:00 PM
Bromomethane	< 12	12		µg/Kg-dry	1	9/8/2006 2:59:00 PM
Vinyl chloride	< 12	12		µg/Kg-dry	1	9/8/2006 2:59:00 PM
Chloroethane	< 12	12		µg/Kg-dry	1	9/8/2006 2:59:00 PM
Methylene chloride	7	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
Acetone	< 12	12		µg/Kg-dry	1	9/8/2006 2:59:00 PM
Carbon disulfide	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
1,1-Dichloroethene	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
1,1-Dichloroethane	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range

# Adirondack Environmental Services, Inc

Date: 21-Nov-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908001  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** EX-F-26  
**Collection Date:** 9/7/2006  
**Lab Sample ID:** 060908001-004  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: <b>ML</b>
trans-1,2-Dichloroethene	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
cis-1,2-Dichloroethene	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
Chloroform	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
1,2-Dichloroethane	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
2-Butanone	< 12	12		µg/Kg-dry	1	9/8/2006 2:59:00 PM
1,1,1-Trichloroethane	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
Carbon tetrachloride	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
Bromodichloromethane	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
1,2-Dichloropropane	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
cis-1,3-Dichloropropene	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
Trichloroethene	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
Dibromochloromethane	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
1,1,2-Trichloroethane	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
Benzene	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
trans-1,3-Dichloropropene	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
Bromoform	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
4-Methyl-2-pentanone	< 12	12		µg/Kg-dry	1	9/8/2006 2:59:00 PM
2-Hexanone	< 12	12		µg/Kg-dry	1	9/8/2006 2:59:00 PM
Tetrachloroethene	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
1,1,2,2-Tetrachloroethane	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
Toluene	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
Chlorobenzene	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
Ethylbenzene	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
Styrene	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
m,p-Xylene	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
o-Xylene	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
Methyl tert-butyl ether	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
Dichlorodifluoromethane	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
Methyl Acetate	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
Trichlorofluoromethane	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
Cyclohexane	< 12	12		µg/Kg-dry	1	9/8/2006 2:59:00 PM
Methyl Cyclohexane	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
1,2-Dibromoethane	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
1,3-Dichlorobenzene	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
Isopropylbenzene	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
1,4-Dichlorobenzene	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
1,2-Dichlorobenzene	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range

**Adirondack Environmental Services, Inc****Date:** 21-Nov-06**CLIENT:** Shaw Environmental & Infrastructure**Client Sample ID:** EX-F-26**Work Order:** 060908001**Collection Date:** 9/7/2006**Project:** Schenectady Army Depot**Lab Sample ID:** 060908001-004**PO#:** 212830 OP**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: <b>ML</b>
1,2-Dibromo-3-chloropropane	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
1,2,4-Trichlorobenzene	< 6	6		µg/Kg-dry	1	9/8/2006 2:59:00 PM
<b>MOISURE CONTENT D2216</b>						Analyst: <b>RC</b>
Percent Moisture	15.3	1.0		wt%	1	9/8/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentitively Identified Compound-Estimated Conc.  
E - Value above quantitation range

# Adirondack Environmental Services, Inc

Date: 21-Nov-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908001  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** EX-F-27  
**Collection Date:** 9/7/2006  
**Lab Sample ID:** 060908001-005  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS SW6010B</b>						Analyst: <b>SM</b>
( Prep: SW3050A - 9/8/2006 )						
Aluminum	7090	22.2		µg/g-dry	1	9/8/2006 1:31:00 PM
Antimony	16.5	13.3	S	µg/g-dry	1	9/8/2006 1:31:00 PM
Arsenic	< 1.11	1.11		µg/g-dry	1	9/8/2006 1:31:00 PM
Barium	52.6	2.22		µg/g-dry	1	9/8/2006 1:31:00 PM
Beryllium	0.34	1.11	J	µg/g-dry	1	9/8/2006 1:31:00 PM
Cadmium	< 1.11	1.11		µg/g-dry	1	9/8/2006 1:31:00 PM
Calcium	14600	111		µg/g-dry	1	9/8/2006 1:31:00 PM
Chromium	12.1	1.11		µg/g-dry	1	9/8/2006 1:31:00 PM
Cobalt	11.8	11.1		µg/g-dry	1	9/8/2006 1:31:00 PM
Copper	18.8	1.11		µg/g-dry	1	9/8/2006 1:31:00 PM
Iron	12700	11.1		µg/g-dry	1	9/8/2006 1:31:00 PM
Lead	< 1.11	1.11		µg/g-dry	1	9/8/2006 1:31:00 PM
Magnesium	5960	111		µg/g-dry	1	9/8/2006 1:31:00 PM
Manganese	371	2.22	S	µg/g-dry	1	9/8/2006 1:31:00 PM
Nickel	2.0	11.1	J	µg/g-dry	1	9/8/2006 1:31:00 PM
Potassium	995	111		µg/g-dry	1	9/8/2006 1:31:00 PM
Selenium	< 1.11	1.11		µg/g-dry	1	9/8/2006 1:31:00 PM
Silver	< 4.44	4.44	S	µg/g-dry	1	9/8/2006 1:31:00 PM
Sodium	100	111	J	µg/g-dry	1	9/8/2006 1:31:00 PM
Thallium	< 2.22	2.22	S	µg/g-dry	1	9/8/2006 1:31:00 PM
Vanadium	9.2	11.1	J	µg/g-dry	1	9/8/2006 1:31:00 PM
Zinc	76.3	2.22		µg/g-dry	1	9/8/2006 1:31:00 PM
<b>MERCURY SW7471A</b>						Analyst: <b>KH</b>
( Prep: SW7471A - 9/8/2006 )						
Mercury	< 0.222	0.222		µg/g-dry	1	9/8/2006
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: <b>ML</b>
Chloromethane	< 11	11		µg/Kg-dry	1	9/8/2006 3:29:00 PM
Bromomethane	< 11	11		µg/Kg-dry	1	9/8/2006 3:29:00 PM
Vinyl chloride	< 11	11		µg/Kg-dry	1	9/8/2006 3:29:00 PM
Chloroethane	< 11	11		µg/Kg-dry	1	9/8/2006 3:29:00 PM
Methylene chloride	6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
Acetone	10	11	J	µg/Kg-dry	1	9/8/2006 3:29:00 PM
Carbon disulfide	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
1,1-Dichloroethane	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
1,1-Dichloroethane	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
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X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
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T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range

# Adirondack Environmental Services, Inc

Date: 21-Nov-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908001  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** EX-F-27  
**Collection Date:** 9/7/2006  
**Lab Sample ID:** 060908001-005  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: ML
trans-1,2-Dichloroethene	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
cis-1,2-Dichloroethene	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
Chloroform	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
1,2-Dichloroethane	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
2-Butanone	< 11	11		µg/Kg-dry	1	9/8/2006 3:29:00 PM
1,1,1-Trichloroethane	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
Carbon tetrachloride	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
Bromodichloromethane	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
1,2-Dichloropropane	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
cis-1,3-Dichloropropene	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
Trichloroethene	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
Dibromochloromethane	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
1,1,2-Trichloroethane	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
Benzene	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
trans-1,3-Dichloropropene	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
Bromoform	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
4-Methyl-2-pentanone	< 11	11		µg/Kg-dry	1	9/8/2006 3:29:00 PM
2-Hexanone	< 11	11		µg/Kg-dry	1	9/8/2006 3:29:00 PM
Tetrachloroethene	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
1,1,2,2-Tetrachloroethane	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
Toluene	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
Chlorobenzene	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
Ethylbenzene	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
Styrene	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
m,p-Xylene	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
o-Xylene	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
Methyl tert-butyl ether	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
Dichlorodifluoromethane	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
Methyl Acetate	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
Trichlorofluoromethane	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
Cyclohexane	< 11	11		µg/Kg-dry	1	9/8/2006 3:29:00 PM
Methyl Cyclohexane	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
1,2-Dibromoethane	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
1,3-Dichlorobenzene	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
Isopropylbenzene	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
1,4-Dichlorobenzene	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
1,2-Dichlorobenzene	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range

**Adirondack Environmental Services, Inc****Date:** 21-Nov-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908001  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** EX-F-27  
**Collection Date:** 9/7/2006  
**Lab Sample ID:** 060908001-005  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: <b>ML</b>
1,2-Dibromo-3-chloropropane	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
1,2,4-Trichlorobenzene	< 6	6		µg/Kg-dry	1	9/8/2006 3:29:00 PM
<b>MOISURE CONTENT D2216</b>						Analyst: <b>RC</b>
Percent Moisture	10	1.0		wt%	1	9/8/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentitively Identified Compound-Estimated Conc.  
E - Value above quantitation range

# Adirondack Environmental Services, Inc

Date: 21-Nov-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908001  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** Trip Blank  
**Collection Date:** 9/7/2006  
**Lab Sample ID:** 060908001-006  
**Matrix:** WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: <b>ML</b>
Chloromethane	< 10	10		µg/L	1	9/8/2006 5:32:00 PM
Bromomethane	< 10	10		µg/L	1	9/8/2006 5:32:00 PM
Vinyl chloride	< 10	10		µg/L	1	9/8/2006 5:32:00 PM
Chloroethane	< 10	10		µg/L	1	9/8/2006 5:32:00 PM
Methylene chloride	5.6	5.0		µg/L	1	9/8/2006 5:32:00 PM
Acetone	< 10	10		µg/L	1	9/8/2006 5:32:00 PM
Carbon disulfide	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
cis-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
Chloroform	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
2-Butanone	< 10	10		µg/L	1	9/8/2006 5:32:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
Benzene	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
Bromoform	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	9/8/2006 5:32:00 PM
2-Hexanone	< 10	10		µg/L	1	9/8/2006 5:32:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
Toluene	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
Styrene	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
Methyl tert-butyl ether	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
Dichlorodifluoromethane	< 10	10		µg/L	1	9/8/2006 5:32:00 PM
Methyl Acetate	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range



**Adirondack Environmental Services, Inc**

Date: 21-Nov-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908001  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** Trip Blank  
**Collection Date:** 9/7/2006  
**Lab Sample ID:** 060908001-006  
**Matrix:** WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: ML
1,1,2-Trichloro-1,2,2-trifluoroethane	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
Cyclohexane	< 10	10		µg/L	1	9/8/2006 5:32:00 PM
Trichlorofluoromethane	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
Methyl Cyclohexane	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
1,2-Dibromoethane	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
1,3-Dichlorobenzene	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
Isopropylbenzene	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
1,2-Dichlorobenzene	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
1,4-Dichlorobenzene	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM
1,2-Dibromo-3-chloropropane	< 10	10		µg/L	1	9/8/2006 5:32:00 PM
1,2,4-Trichlorobenzene	< 5.0	5.0		µg/L	1	9/8/2006 5:32:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range

# Adirondack Environmental Services, Inc

Date: 20-Nov-06

CLIENT: Shaw Environmental & Infrastructure

Work Order: 060908001

Project: Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

BatchID: 12183

<b>MBLK</b>	SeqNo: 413144	PrepDate: 9/8/2006 8:	TestNo: SW7471A	RunNo: 37023
	Samp ID: MB-12183	PrepRef: (SW7471A)	Units: µg/g	Analysis Date: 9/8/2006

Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
		< 0.0200	0.0200									

<b>MBLK</b>	SeqNo: 413154	PrepDate: 9/8/2006 8:	TestNo: SW7471A	RunNo: 37023
	Samp ID: MB-12183	PrepRef: (SW7471A)	Units: µg/g	Analysis Date: 9/8/2006

Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
		< 0.0200	0.0200									

<b>LCS</b>	SeqNo: 413145	PrepDate: 9/8/2006 8:	TestNo: SW7471A	RunNo: 37023
	Samp ID: LCS-12183	PrepRef: (SW7471A)	Units: µg/g	Analysis Date: 9/8/2006

Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
		4.075	0.200	3.6	0	113	68.1	131.9	0	0		

<b>LCS</b>	SeqNo: 413155	PrepDate: 9/8/2006 8:	TestNo: SW7471A	RunNo: 37023
	Samp ID: LCS-12183	PrepRef: (SW7471A)	Units: µg/g	Analysis Date: 9/8/2006

Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
		3.525	1.00	3.6	0	97.9	68.1	131.9	0	0		

<b>MS</b>	SeqNo: 413152	PrepDate: 9/8/2006 8:	TestNo: SW7471A	RunNo: 37023
	Samp ID: 060906042-001A	PrepRef: (SW7471A)	Units: µg/g	Analysis Date: 9/8/2006

Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
		0.088	0.0200	0.1	0	88	74.4	123	0	0		

<b>MS</b>	SeqNo: 413157	PrepDate: 9/8/2006 8:	TestNo: SW7471A	RunNo: 37023
	Samp ID: 060908001-001A (EX-F-23)	PrepRef: (SW7471A)	Units: µg/g-dry	Analysis Date: 9/8/2006

Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
		0.9473	0.217	1.083	0	87.5	74.4	123	0	0		

### Qualifiers:

ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908001  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12183

<b>DUP</b>	SeqNo: 413151		PrepDate:9/8/2006 8:				TestNo: SW7471A		RunNo: 37023			
	Samp ID: 060906042-001A		PrepRef:				Units: µg/g		Analysis Date: 9/8/2006			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		< 0.0200	0.0200	0	0	0	0	0	0	0	20.8	

<b>DUP</b>	SeqNo: 413167		PrepDate:9/8/2006 8:				TestNo: SW7471A		RunNo: 37023			
	Samp ID: 060908001-001A		PrepRef:				Units: µg/g-dry		Analysis Date: 9/8/2006			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		< 0.217	0.217	0	0	0	0	0	0	0	20.8	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908001  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12193

<b>MBLK</b>	SeqNo: 413187	PrepDate:		TestNo: SW6010B		RunNo: 37026	
	Samp ID: MBLK	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val
						Units: µg/g	Analysis Date: 9/8/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	< 20.0	20.0									J
Antimony	0.772	12.0									
Arsenic	< 1.00	1.00									J
Barium	0.126	2.00									
Beryllium	< 1.00	1.00									J
Cadmium	0.002	1.00									
Calcium	< 100	100									
Chromium	< 1.00	1.00									
Cobalt	0.038	10.0									J
Copper	< 1.00	1.00									
Iron	< 10.0	10.0									
Lead	< 1.00	1.00									
Magnesium	1.42	100									J
Manganese	< 2.00	2.00									
Nickel	0.05	10.0									J
Potassium	< 100	100									
Selenium	< 1.00	1.00									
Silver	< 4.00	4.00									
Sodium	< 100	100									
Thallium	0.01	2.00									J
Vanadium	< 10.0	10.0									
Zinc	< 2.00	2.00									

<b>LCS</b>	SeqNo: 413188	PrepDate:		TestNo: SW6010B		RunNo: 37026	
	Samp ID: LCS-S	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val
						Units: µg/g	Analysis Date: 9/8/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	5743	20.0	7590	0	75.7	57.8	142.3	0	0		
Antimony	88.88	12.0	77.5	0.772	114	1.3	223.2	0	0		
Arsenic	77.97	1.00	80.9	0	96.4	79.7	120.3	0	0		
Barium	156.1	2.00	156	0.126	100	82.1	117.9	0	0		
Beryllium	151.1	1.00	143	0	106	81.8	118.2	0	0		
Cadmium	237.3	1.00	233	0.002	102	80.7	118.9	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908001  
**Project:** Schenectady Army Depot

# ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12193

<b>LCS</b>	SeqNo: 413188	PrepDate:	TestNo: SW6010B	RunNo: 37026
	Samp ID: LCS-S	PrepRef:(SW3050A)	Units: µg/g	Analysis Date: 9/8/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	4412	100	4320	0	102	79.2	120.8	0	0		
Chromium	57.15	1.00	60.8	0	94	78.5	121.4	0	0		
Cobalt	75.99	10.0	68.6	0.038	111	81.8	118.2	0	0		
Copper	129	1.00	131	0	98.5	82.4	117.6	0	0		
Iron	8980	10.0	14400	0	62.4	51.5	148.6	0	0		
Lead	95.3	1.00	76.8	0	124	80.6	119.5	0	0		S
Magnesium	1895	100	2220	1.42	85.3	77	123	0	0		
Manganese	291.3	2.00	304	0	95.8	79.9	120.1	0	0		
Nickel	43.4	10.0	49.6	0.05	87.4	81.5	118.5	0	0		
Potassium	2067	100	2380	0	86.8	71.4	128.6	0	0		
Selenium	72.84	1.00	82.9	0	87.9	75.5	124.2	0	0		
Silver	65.47	4.00	80	0	81.8	61.3	138.8	0	0		
Sodium	480.6	100	456	0	105	55.7	144.3	0	0		
Thallium	175	2.00	158	0.01	111	75.3	124.7	0	0		
Vanadium	56.85	10.0	72.4	0	78.5	71.4	128.5	0	0		
Zinc	114.1	2.00	116	0	98.3	78	121.6	0	0		

<b>MS</b>	SeqNo: 413191	PrepDate:9/8/2006 1	TestNo: SW6010B	RunNo: 37026
	Samp ID: 060908001-001A (EX-F-23)	PrepRef:(SW3050A)	Units: µg/g-dry	Analysis Date: 9/8/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	9102	21.7	433	8498	140	75	125	0	0		S
Antimony	59.47	13.0	108.3	7.875	47.7	75	125	0	0		S
Arsenic	7.676	1.08	8.661	0	88.6	75	125	0	0		
Barium	461	2.17	433	42.95	96.5	75	125	0	0		
Beryllium	11.19	1.08	10.83	0.4049	99.6	75	125	0	0		
Cadmium	9.442	1.08	10.83	0	87.2	75	125	0	0		
Chromium	56.32	1.08	43.3	14.26	97.1	75	125	0	0		
Cobalt	140.8	10.8	108.3	12.67	118	75	125	0	0		
Copper	71.9	1.08	54.13	23.03	90.3	75	125	0	0		
Iron	16520	10.8	216.5	15850	311	75	125	0	0		S
Lead	5.818	1.08	4.33	0	134	75	125	0	0		S
Manganese	591.1	2.17	108.3	443.6	136	75	125	0	0		S

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**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908001  
**Project:** Schenectady Army Depot

# ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12193

MS	SeqNo: 413191		PrepDate:9/8/2006 1		TestNo: SW6010B		RunNo: 37026					
	Samp ID: 060908001-001A (EX-F-23)		PrepRef:(SW3050A)		Units: µg/g-dry		Analysis Date: 9/8/2006					
	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	101	10.8	108.3	1.672		91.7	75	125	0	0		
Selenium	2,226	1.08	2,165	0		103	75	125	0	0		
Silver	5,428	4.33	10.83	0		50.1	75	125	0	0		S
Thallium	8,102	2.17	10.83	0		74.8	75	125	0	0		S
Vanadium	111.2	10.8	108.3	10.82		92.7	75	125	0	0		
Zinc	178.4	2.17	108.3	53.97		115	75	125	0	0		

DUP	SeqNo: 413190		PrepDate:		TestNo: SW6010B		RunNo: 37026					
	Samp ID: 060908001-001A		PrepRef:		Units: µg/g-dry		Analysis Date: 9/8/2006					
	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	8455	21.7	0	0	0	0	0	0	8498	0.510	20	
Antimony	6.526	13.0	0	0	0	0	0	0	7.875	0	17.2	
Arsenic	-0.3594	1.08	0	0	0	0	0	0	0	0	15.3	
Barium	42.91	2.17	0	0	0	0	0	0	42.95	0.0807	17.8	
Beryllium	0.4222	1.08	0	0	0	0	0	0	0.4049	0	11.5	
Cadmium	-0.3443	1.08	0	0	0	0	0	0	0	0	15.4	
Calcium	19930	108	0	0	0	0	0	0	19850	0.369	20	
Chromium	14.56	1.08	0	0	0	0	0	0	14.26	2.06	20	
Cobalt	13.06	10.8	0	0	0	0	0	0	12.67	3.01	18.9	
Copper	22.42	1.08	0	0	0	0	0	0	23.03	2.68	20	
Iron	15950	10.8	0	0	0	0	0	0	15850	0.613	16.4	
Lead	-3.891	1.08	0	0	0	0	0	0	0	0	20	
Magnesium	7486	108	0	0	0	0	0	0	7490	0.0533	20	
Manganese	461.9	2.17	0	0	0	0	0	0	443.6	4.05	20	
Nickel	2.154	10.8	0	0	0	0	0	0	1.672	0	16.5	
Potassium	1222	108	0	0	0	0	0	0	1233	0.883	20	
Selenium	-24.48	1.08	0	0	0	0	0	0	0	0	20	
Silver	-3.324	4.33	0	0	0	0	0	0	0	0	10.3	
Sodium	127.4	108	0	0	0	0	0	0	135.8	6.33	21.2	
Thallium	-1.126	2.17	0	0	0	0	0	0	0	0	23.1	
Vanadium	11	10.8	0	0	0	0	0	0	10.82	1.69	11.5	
Zinc	56.92	2.17	0	0	0	0	0	0	53.97	5.33	20.4	

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**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908001  
**Project:** Schenectady Army Depot

# ANALYTICAL QC SUMMARY REPORT

**BatchID:** R37012

<b>MBLK</b>	SeqNo: 412994	TestNo: SW8260B	RunNo: 37012
	Samp ID: VBLK	Units: µg/Kg	Analysis Date: 9/8/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	< 5.0	5.0									
1,1,2,2-Tetrachloroethane	< 5.0	5.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	< 5.0	5.0									
1,1,2-Trichloroethane	< 5.0	5.0									
1,1-Dichloroethane	< 5.0	5.0									
1,1-Dichloroethene	< 5.0	5.0									
1,2,4-Trichlorobenzene	< 5.0	5.0									
1,2-Dibromo-3-chloropropane	< 5.0	5.0									
1,2-Dibromoethane	< 5.0	5.0									
1,2-Dichlorobenzene	< 5.0	5.0									
1,2-Dichloroethane	< 5.0	5.0									
1,2-Dichloropropane	< 5.0	5.0									
1,3-Dichlorobenzene	< 5.0	5.0									
1,4-Dichlorobenzene	< 5.0	5.0									
2-Butanone	< 10	10									
2-Hexanone	< 10	10									
4-Methyl-2-pentanone	< 10	10									
Acetone	< 10	10									
Benzene	< 5.0	5.0									
Bromodichloromethane	< 5.0	5.0									
Bromoform	< 5.0	5.0									
Bromomethane	< 10	10									
Carbon disulfide	< 5.0	5.0									
Carbon tetrachloride	< 5.0	5.0									
Chlorobenzene	< 5.0	5.0									
Chloroethane	< 10	10									
Chloroform	< 5.0	5.0									
Chloromethane	< 10	10									
cis-1,2-Dichloroethene	< 5.0	5.0									
cis-1,3-Dichloropropene	< 5.0	5.0									
Cyclohexane	< 10	10									
Dibromochloromethane	< 5.0	5.0									

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908001  
**Project:** Schenectady Army Depot

# ANALYTICAL QC SUMMARY REPORT

**BatchID:** R37012

<b>MBLK</b>	SeqNo: 412994	TestNo: SW8260B	RunNo: 37012
	Samp ID: VBLK	Units: µg/Kg	Analysis Date: 9/8/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	< 5.0	5.0									
Ethylbenzene	< 5.0	5.0									
Isopropylbenzene	< 5.0	5.0									
m,p-Xylene	< 5.0	5.0									
Methyl Acetate	< 5.0	5.0									
Methyl Cyclohexane	< 5.0	5.0									
Methyl tert-butyl ether	< 5.0	5.0									
Methylene chloride	< 5.0	5.0									
o-Xylene	< 5.0	5.0									
Styrene	< 5.0	5.0									
Tetrachloroethene	< 5.0	5.0									
Toluene	< 5.0	5.0									
trans-1,2-Dichloroethene	< 5.0	5.0									
trans-1,3-Dichloropropene	< 5.0	5.0									
Trichloroethene	< 5.0	5.0									
Trichlorofluoromethane	< 5.0	5.0									
Vinyl chloride	< 10	10									
Surr: 1,2-Dichloroethane-d4	49.52	5.0	50	0	99	64.8	130	0	0	0	
Surr: 4-Bromofluorobenzene	53.5	5.0	50	0	107	76.8	122	0	0	0	
Surr: Toluene-d8	54.16	5.0	50	0	108	78.5	120	0	0	0	

<b>LCS</b>	SeqNo: 413299	TestNo: SW8260B	RunNo: 37012
	Samp ID: VMSB	Units: µg/Kg	Analysis Date: 9/8/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	56.77	5.0	50	0	114	43.3	147	0	0	0	
Benzene	59	5.0	50	0	118	68.7	140	0	0	0	
Chlorobenzene	62.99	5.0	50	0	126	64.5	141	0	0	0	
Toluene	61.76	5.0	50	0	124	60.2	143	0	0	0	
Trichloroethene	57.07	5.0	50	0	114	62.2	142	0	0	0	
Surr: 1,2-Dichloroethane-d4	40.84	5.0	50	0	81.7	64.8	130	0	0	0	
Surr: 4-Bromofluorobenzene	47.14	5.0	50	0	94.3	76.8	122	0	0	0	
Surr: Toluene-d8	48.32	5.0	50	0	96.6	78.5	120	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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B - Analyte detected in the associated Method Blank



**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908001  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** R37012

MS		SeqNo: 413276		TestNo: SW8260B		RunNo: 37012					
Samp ID: 060908001-001A (EX-F-23)		Units: µg/Kg-dry		Analysis Date: 9/8/2006							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	61.88	5.4	54.13	0	114	43.3	147	0	0		
Benzene	69.81	5.4	54.13	0	129	68.7	140	0	0		
Chlorobenzene	70.78	5.4	54.13	0	131	64.5	141	0	0		
Toluene	73.97	5.4	54.13	0	137	60.2	143	0	0		
Trichloroethene	64.85	5.4	54.13	0	120	62.2	142	0	0		
Surr: 1,2-Dichloroethane-d4	50.71	5.4	54.13	0	93.7	64.8	130	0	0		
Surr: 4-Bromofluorobenzene	54.65	5.4	54.13	0	101	76.8	122	0	0		
Surr: Toluene-d8	61.85	5.4	54.13	0	114	78.5	120	0	0		

SeqNo: 413298		TestNo: SW8260B		RunNo: 37012							
Samp ID: 060908001-001A (EX-F-23)		Units: µg/Kg-dry		Analysis Date: 9/8/2006							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	55.07	5.4	54.13	0	102	43.3	147	61.88	11.6	30	
Benzene	65.94	5.4	54.13	0	122	68.7	140	69.81	5.70	30	
Chlorobenzene	69.13	5.4	54.13	0	128	64.5	141	70.78	2.36	27.9	
Toluene	68.69	5.4	54.13	0	127	60.2	143	73.97	7.40	30	
Trichloroethene	60.6	5.4	54.13	0	112	62.2	142	64.85	6.78	22	
Surr: 1,2-Dichloroethane-d4	44.59	5.4	54.13	0	82.4	64.8	130	0	0	0	
Surr: 4-Bromofluorobenzene	48.74	5.4	54.13	0	90	76.8	122	0	0	0	
Surr: Toluene-d8	57.35	5.4	54.13	0	106	78.5	120	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908001  
**Project:** Schenectady Army Depot

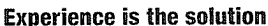
**ANALYTICAL QC SUMMARY REPORT**

**BatchID:** R37024

<b>DUP</b>	SeqNo: 413168	TestNo: D2216	RunNo: 37024
	Samp ID: 060908001-001A	Units: wt%	Analysis Date: 9/8/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	7.919	1.00	0	0	0	0	0	7.628	3.74	0	0

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits

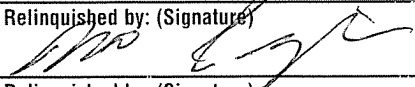


## CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: Shaw Environmental		Address: Findlay Ohio	
Send Report To: Gray Gulletto		Project Name (Location): Formo Schtdy Army Depot	Samplers: (Names): M. Kuslitz
Client Phone No:	Client Fax No:	PO Number:	Samplers: (Signature): [Signature]

[illegible]

AES Work Order #: <div style="font-size: 2em; margin-top: 10px;">060908001</div>		CC Report To / Special Instructions/Remarks:	
Turnaround Time Request: <input checked="" type="checkbox"/> 1 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> Normal <input type="checkbox"/> 2 Day <input type="checkbox"/> 5 Day		client	
Relinquished by: (Signature) 		Received by: (Signature)	
Relinquished by: (Signature)		Received by: (Signature)	
Relinquished by: (Signature)		Received for Laboratory by: Kenneth S Fuller      9/7/06 5:20	
26 TEMPERATURE <input checked="" type="radio"/> Ambient    or    Chilled Notes: _____	PROPERLY PRESERVED <input checked="" type="radio"/> Y    N Notes: _____	RECEIVED WITHIN HOLDING TIMES <input checked="" type="radio"/> Y    N Notes: _____	

**PINK - Generator Copy**

# Adirondack Environmental Services, Inc.



**Experience is the solution**

314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

## TERMS, CONDITIONS & LIMITATIONS

All Services rendered by **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

- (a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.
- (b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed as irrevocably waived.
- (c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.
- (d) In no event shall **Adirondack Environmental Services, Inc.**, its employees agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.
- (e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**
- (f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.



## Shaw Environmental & Infrastructure, Inc.

### Data Usability Report

16406 U.S. Route 224 East • Findlay, Ohio 45840

Findlay Ohio Office – Federal Technical Services

<b>PROJECT NUMBER:</b>	115215	<b>SAMPLE RECEIPT DATE:</b>	09/07/2006
<b>PROJECT MANAGER:</b>	Tom Mathison	<b>LABORATORY SDG:</b>	060908068
<b>PROJECT NAME:</b>	USACE-Schenectady		

The Findlay Ohio Applied Sciences Group has performed a QA evaluation of the data report from Adirondack Environmental Services, Inc., Albany, NY. The results are for samples collected at the Former Schenectady Army Depot (AOC 2), Voorheesville Area, New York by on-site Shaw E & I personnel. The samples were analyzed for the parameters listed in the Sample Summary Table below.

Sample Summary Table			
Sample Number	Collection Date	Matrix	Analysis Requested
EX-F-28; EX-F-29; EX-F-30	09/08/2006	Soil	Target Metals SW-6010B/ 7471A VOCs-SW8260B

All samples were received at the laboratory intact and sample analyses were performed within the required holding times. The cooler was submitted with chain-of-custody forms and was received having a chilled temperature of 9°C upon opening the sample cooler. The Trip Blank was neither present in the cooler nor written on the chain of custody. The laboratory provided an electronic copy of the data within the specified turn around time. The following describes the overall QA/QC indicators.

#### VOC Analysis in Soil by 8260B

The GC/MS system was tuned and calibrated in accordance with method requirements. The integrity of the primary standards was validated through analysis of a second source standard. Calibration check samples verified instrument calibration and all analyses were performed within valid 12-hour tune clocks. The ISTD areas were within the required values for all analytical runs.

**Trip Blank:** A trip blank was not taken.

**Method Blank:** The method blank results are below the Practical Quantitation Limit (PQL) for the target analytes in all analysis sets.

**LCS:** The LCS recoveries are within acceptance criteria for the target analytes in all analysis sets with the following exceptions: 1,2,4-trichlorobenzene % recovery was flagged with an "S" at 141% with a result of 70.72 µg/Kg and for a spiked value of 76.8 µg/Kg; 1,2-dichlorobenzene % recovery was flagged with an "S" at 118% with a result of 59.06 µg/Kg and for a spiked value of 50 µg/Kg; 1,3-dichlorobenzene % recovery was flagged with an "S" at 116% with a result of 57.81 µg/Kg and for a spiked value of 50 µg/Kg.

**MS/MSD:** The QC Matrix recovery and precision performance, using sample 060907004-001A, is within acceptance limits for all compounds with the following exception:

**MS:** 1,3-dichlorobenzene % recovery was flagged with an "S" at 116% with a result of 57.81 µg/Kg and for a spiked value of 50 µg/Kg

**MSD:** 2-hexanone % recovery was flagged with an "R" as being outside of the accepted recovery limits

**Surrogates:** All surrogate recoveries are within acceptable criteria.

Reported results can be utilized with confidence.

#### **Metals Analysis in Soil by SW6010B and SW7471A**

The ICP and CVAA systems were calibrated for the target analytes in accordance with method requirements. All instrument interference check samples were within control limits with the exceptions noted in the discussion below. The initial and continuing calibration check samples were not reported. The initial calibration blank results were below reporting limits.

**Method Blanks:** The method blank results are below reporting limits.

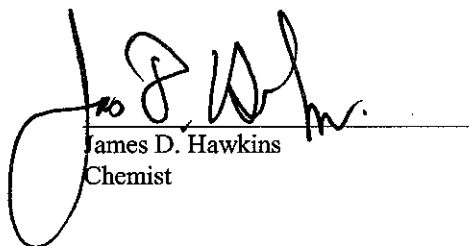
**LCS:** The LCS recoveries are within acceptance criteria for the target analytes.

**MS:** The MS recovery and precision for sample EX-F-28, are within acceptance limits for all analytes with native concentrations less than 4X the spiked level. Three analytes (aluminum, barium and iron) were present at large concentrations in the unspiked sample rendering the QC Matrix data invalid.

Reported results should be utilized with confidence.

#### **Summary of Analysis**

The overall Quality Control data provided in the laboratory report is representative of adequate method accuracy and precision with regard to project objectives. The reported data should be utilized, without reservation, for the intended project decision-making process.

  
James D. Hawkins  
Chemist

11/30/06  
Date



**Experience is the solution**

314 North Pearl Street ♦ Albany, New York 12207  
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

November 21, 2006

Guy Gallelo  
Shaw Environmental & Infrastructure  
16406 US Route 224 East  
Findlay, OH 45840

Work Order No: 060908068

PO#: 212830 OP

TEL: (419) 425-6080

FAX: (419) 425-6085

RE: Schenectady Army Depot  
Former Schenectady Army Depot

Dear Guy Gallelo:

Adirondack Environmental Services, Inc received 3 samples on 9/8/2006 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Christopher Hess  
QA Manager

ELAP#: 10709

AIHA#: 100307

G. Gallelo - FAX

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**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

T - Tentatively Identified Compound-Estimated Conc.

E - Value above quantitation range

# Adirondack Environmental Services, Inc

Date: 21-Nov-06

CLIENT: Shaw Environmental & Infrastructure

Client Sample ID: EX-F-28

Work Order: 060908068

Collection Date: 9/8/2006

Project: Schenectady Army Depot

Lab Sample ID: 060908068-001

PO#: 212830 OP

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## ICP METALS SW6010B

Analyst: SM

( Prep: SW3050A - 9/11/2006 )

Aluminum	12000	24.4		µg/g-dry	1	9/11/2006 8:56:00 AM
Antimony	4.5	14.7	J	µg/g-dry	1	9/11/2006 8:56:00 AM
Arsenic	1.44	1.22	S	µg/g-dry	1	9/11/2006 8:56:00 AM
Barium	111	2.44		µg/g-dry	1	9/11/2006 8:56:00 AM
Beryllium	1.1	1.22	J	µg/g-dry	1	9/11/2006 8:56:00 AM
Cadmium	< 1.22	1.22		µg/g-dry	1	9/11/2006 8:56:00 AM
Calcium	1450	122		µg/g-dry	1	9/11/2006 8:56:00 AM
Chromium	18.8	1.22		µg/g-dry	1	9/11/2006 8:56:00 AM
Cobalt	15.8	12.2	S	µg/g-dry	1	9/11/2006 8:56:00 AM
Copper	25.3	1.22		µg/g-dry	1	9/11/2006 8:56:00 AM
Iron	19400	12.2		µg/g-dry	1	9/11/2006 8:56:00 AM
Lead	< 1.22	1.22		µg/g-dry	1	9/11/2006 8:56:00 AM
Magnesium	3630	122		µg/g-dry	1	9/11/2006 8:56:00 AM
Manganese	97.4	2.44		µg/g-dry	1	9/11/2006 8:56:00 AM
Nickel	< 12.2	12.2		µg/g-dry	1	9/11/2006 8:56:00 AM
Potassium	518	122		µg/g-dry	1	9/11/2006 8:56:00 AM
Selenium	< 1.22	1.22		µg/g-dry	1	9/11/2006 8:56:00 AM
Silver	< 4.89	4.89	S	µg/g-dry	1	9/11/2006 8:56:00 AM
Sodium	275	122		µg/g-dry	1	9/11/2006 8:56:00 AM
Thallium	< 2.44	2.44	S	µg/g-dry	1	9/11/2006 8:56:00 AM
Vanadium	19.3	12.2		µg/g-dry	1	9/11/2006 8:56:00 AM
Zinc	48.8	2.44		µg/g-dry	1	9/11/2006 8:56:00 AM

## MERCURY SW7471A

Analyst: KH

( Prep: SW7471A - 9/11/2006 )

Mercury	< 0.244	0.244		µg/g-dry	1	9/11/2006
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## VOLATILE ORGANICS SW8260B

Analyst: ML

Chloromethane	< 12	12		µg/Kg-dry	1	9/11/2006
Bromomethane	< 12	12		µg/Kg-dry	1	9/11/2006
Vinyl chloride	< 12	12		µg/Kg-dry	1	9/11/2006
Chloroethane	< 12	12		µg/Kg-dry	1	9/11/2006
Methylene chloride	6	6		µg/Kg-dry	1	9/11/2006
Acetone	< 12	12		µg/Kg-dry	1	9/11/2006
Carbon disulfide	< 6	6		µg/Kg-dry	1	9/11/2006
1,1-Dichloroethene	< 6	6		µg/Kg-dry	1	9/11/2006
1,1-Dichloroethane	< 6	6		µg/Kg-dry	1	9/11/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range



# Adirondack Environmental Services, Inc

Date: 21-Nov-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908068  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** EX-F-28  
**Collection Date:** 9/8/2006  
**Lab Sample ID:** 060908068-001  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: <b>ML</b>
trans-1,2-Dichloroethene	< 6	6		µg/Kg-dry	1	9/11/2006
cis-1,2-Dichloroethene	< 6	6		µg/Kg-dry	1	9/11/2006
Chloroform	< 6	6		µg/Kg-dry	1	9/11/2006
1,2-Dichloroethane	< 6	6		µg/Kg-dry	1	9/11/2006
2-Butanone	< 12	12		µg/Kg-dry	1	9/11/2006
1,1,1-Trichloroethane	< 6	6		µg/Kg-dry	1	9/11/2006
Carbon tetrachloride	< 6	6		µg/Kg-dry	1	9/11/2006
Bromodichloromethane	< 6	6		µg/Kg-dry	1	9/11/2006
1,2-Dichloropropane	< 6	6		µg/Kg-dry	1	9/11/2006
cis-1,3-Dichloropropene	< 6	6		µg/Kg-dry	1	9/11/2006
Trichloroethene	< 6	6		µg/Kg-dry	1	9/11/2006
Dibromochloromethane	< 6	6		µg/Kg-dry	1	9/11/2006
1,1,2-Trichloroethane	< 6	6		µg/Kg-dry	1	9/11/2006
Benzene	< 6	6		µg/Kg-dry	1	9/11/2006
trans-1,3-Dichloropropene	< 6	6		µg/Kg-dry	1	9/11/2006
Bromoform	< 6	6		µg/Kg-dry	1	9/11/2006
4-Methyl-2-pentanone	< 12	12		µg/Kg-dry	1	9/11/2006
2-Hexanone	< 12	12		µg/Kg-dry	1	9/11/2006
Tetrachloroethene	< 6	6		µg/Kg-dry	1	9/11/2006
1,1,2,2-Tetrachloroethane	< 6	6		µg/Kg-dry	1	9/11/2006
Toluene	< 6	6		µg/Kg-dry	1	9/11/2006
Chlorobenzene	< 6	6		µg/Kg-dry	1	9/11/2006
Ethylbenzene	< 6	6		µg/Kg-dry	1	9/11/2006
Styrene	< 6	6		µg/Kg-dry	1	9/11/2006
m,p-Xylene	< 6	6		µg/Kg-dry	1	9/11/2006
o-Xylene	< 6	6		µg/Kg-dry	1	9/11/2006
Methyl tert-butyl ether	< 6	6		µg/Kg-dry	1	9/11/2006
Dichlorodifluoromethane	< 6	6		µg/Kg-dry	1	9/11/2006
Methyl Acetate	< 6	6		µg/Kg-dry	1	9/11/2006
1,1,2-Trichloro-1,2,2-trifluoroethane	< 6	6		µg/Kg-dry	1	9/11/2006
Trichlorofluoromethane	< 6	6		µg/Kg-dry	1	9/11/2006
Cyclohexane	< 12	12		µg/Kg-dry	1	9/11/2006
Methyl Cyclohexane	< 6	6		µg/Kg-dry	1	9/11/2006
1,2-Dibromoethane	< 6	6		µg/Kg-dry	1	9/11/2006
1,3-Dichlorobenzene	< 6	6		µg/Kg-dry	1	9/11/2006
Isopropylbenzene	< 6	6		µg/Kg-dry	1	9/11/2006
1,4-Dichlorobenzene	< 6	6		µg/Kg-dry	1	9/11/2006
1,2-Dichlorobenzene	< 6	6		µg/Kg-dry	1	9/11/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range

**Adirondack Environmental Services, Inc****Date:** 21-Nov-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908068  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** EX-F-28  
**Collection Date:** 9/8/2006  
**Lab Sample ID:** 060908068-001  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: <b>ML</b>
1,2-Dibromo-3-chloropropane	< 6	6		µg/Kg-dry	1	9/11/2006
1,2,4-Trichlorobenzene	< 6	6		µg/Kg-dry	1	9/11/2006
<b>PH SW9045B</b>						Analyst: <b>LS</b>
pH	5.6	1.0		pH Units	1	9/11/2006
<b>MOISURE CONTENT D2216</b>						Analyst: <b>PL</b>
Percent Moisture	18.2	1.0		wt%	1	9/9/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentitively Identified Compound-Estimated Conc.  
E - Value above quantitation range

# Adirondack Environmental Services, Inc

Date: 21-Nov-06

CLIENT: Shaw Environmental & Infrastructure

Client Sample ID: EX-F-29

Work Order: 060908068

Collection Date: 9/8/2006

Project: Schenectady Army Depot

Lab Sample ID: 060908068-002

PO#: 212830 OP

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## ICP METALS SW6010B

Analyst: SM

( Prep: SW3050A - 9/11/2006 )

Aluminum	11200	25.3		µg/g-dry	1	9/11/2006 9:26:00 AM
Antimony	7.7	15.2	J	µg/g-dry	1	9/11/2006 9:26:00 AM
Arsenic	< 1.27	1.27	S	µg/g-dry	1	9/11/2006 9:26:00 AM
Barium	53.2	2.53		µg/g-dry	1	9/11/2006 9:26:00 AM
Beryllium	0.41	1.27	J	µg/g-dry	1	9/11/2006 9:26:00 AM
Cadmium	< 1.27	1.27		µg/g-dry	1	9/11/2006 9:26:00 AM
Calcium	1440	127		µg/g-dry	1	9/11/2006 9:26:00 AM
Chromium	19.8	1.27		µg/g-dry	1	9/11/2006 9:26:00 AM
Cobalt	19.2	12.7	S	µg/g-dry	1	9/11/2006 9:26:00 AM
Copper	19.4	1.27		µg/g-dry	1	9/11/2006 9:26:00 AM
Iron	20000	12.7		µg/g-dry	1	9/11/2006 9:26:00 AM
Lead	< 1.27	1.27		µg/g-dry	1	9/11/2006 9:26:00 AM
Magnesium	4230	127		µg/g-dry	1	9/11/2006 9:26:00 AM
Manganese	91.9	2.53		µg/g-dry	1	9/11/2006 9:26:00 AM
Nickel	2.4	12.7	J	µg/g-dry	1	9/11/2006 9:26:00 AM
Potassium	1080	127		µg/g-dry	1	9/11/2006 9:26:00 AM
Selenium	< 1.27	1.27		µg/g-dry	1	9/11/2006 9:26:00 AM
Silver	< 5.06	5.06	S	µg/g-dry	1	9/11/2006 9:26:00 AM
Sodium	70	127	J	µg/g-dry	1	9/11/2006 9:26:00 AM
Thallium	< 2.53	2.53	S	µg/g-dry	1	9/11/2006 9:26:00 AM
Vanadium	14.4	12.7		µg/g-dry	1	9/11/2006 9:26:00 AM
Zinc	69.1	2.53		µg/g-dry	1	9/11/2006 9:26:00 AM

## MERCURY SW7471A

Analyst: KH

( Prep: SW7471A - 9/11/2006 )

Mercury	< 0.253	0.253		µg/g-dry	1	9/11/2006
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## VOLATILE ORGANICS SW8260B

Analyst: ML

Chloromethane	< 13	13		µg/Kg-dry	1	9/11/2006
Bromomethane	< 13	13		µg/Kg-dry	1	9/11/2006
Vinyl chloride	< 13	13		µg/Kg-dry	1	9/11/2006
Chloroethane	< 13	13		µg/Kg-dry	1	9/11/2006
Methylene chloride	8	6		µg/Kg-dry	1	9/11/2006
Acetone	13	13		µg/Kg-dry	1	9/11/2006
Carbon disulfide	< 6	6		µg/Kg-dry	1	9/11/2006
1,1-Dichloroethene	< 6	6		µg/Kg-dry	1	9/11/2006
1,1-Dichloroethane	< 6	6		µg/Kg-dry	1	9/11/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range

# Adirondack Environmental Services, Inc

Date: 21-Nov-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908068  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** EX-F-29  
**Collection Date:** 9/8/2006  
**Lab Sample ID:** 060908068-002  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: ML
trans-1,2-Dichloroethene	< 6	6		µg/Kg-dry	1	9/11/2006
cis-1,2-Dichloroethene	< 6	6		µg/Kg-dry	1	9/11/2006
Chloroform	< 6	6		µg/Kg-dry	1	9/11/2006
1,2-Dichloroethane	< 6	6		µg/Kg-dry	1	9/11/2006
2-Butanone	< 13	13		µg/Kg-dry	1	9/11/2006
1,1,1-Trichloroethane	< 6	6		µg/Kg-dry	1	9/11/2006
Carbon tetrachloride	< 6	6		µg/Kg-dry	1	9/11/2006
Bromodichloromethane	< 6	6		µg/Kg-dry	1	9/11/2006
1,2-Dichloropropane	< 6	6		µg/Kg-dry	1	9/11/2006
cis-1,3-Dichloropropene	< 6	6		µg/Kg-dry	1	9/11/2006
Trichloroethene	< 6	6		µg/Kg-dry	1	9/11/2006
Dibromochloromethane	< 6	6		µg/Kg-dry	1	9/11/2006
1,1,2-Trichloroethane	< 6	6		µg/Kg-dry	1	9/11/2006
Benzene	< 6	6		µg/Kg-dry	1	9/11/2006
trans-1,3-Dichloropropene	< 6	6		µg/Kg-dry	1	9/11/2006
Bromoform	< 6	6		µg/Kg-dry	1	9/11/2006
4-Methyl-2-pentanone	< 13	13		µg/Kg-dry	1	9/11/2006
2-Hexanone	< 13	13		µg/Kg-dry	1	9/11/2006
Tetrachloroethene	< 6	6		µg/Kg-dry	1	9/11/2006
1,1,2,2-Tetrachloroethane	< 6	6		µg/Kg-dry	1	9/11/2006
Toluene	< 6	6		µg/Kg-dry	1	9/11/2006
Chlorobenzene	< 6	6		µg/Kg-dry	1	9/11/2006
Ethylbenzene	< 6	6		µg/Kg-dry	1	9/11/2006
Styrene	< 6	6		µg/Kg-dry	1	9/11/2006
m,p-Xylene	< 6	6		µg/Kg-dry	1	9/11/2006
o-Xylene	< 6	6		µg/Kg-dry	1	9/11/2006
Methyl tert-butyl ether	< 6	6		µg/Kg-dry	1	9/11/2006
Dichlorodifluoromethane	< 6	6		µg/Kg-dry	1	9/11/2006
Methyl Acetate	< 6	6		µg/Kg-dry	1	9/11/2006
1,1,2-Trichloro-1,2,2-trifluoroethane	< 6	6		µg/Kg-dry	1	9/11/2006
Trichlorofluoromethane	< 6	6		µg/Kg-dry	1	9/11/2006
Cyclohexane	< 13	13		µg/Kg-dry	1	9/11/2006
Methyl Cyclohexane	< 6	6		µg/Kg-dry	1	9/11/2006
1,2-Dibromoethane	< 6	6		µg/Kg-dry	1	9/11/2006
1,3-Dichlorobenzene	< 6	6		µg/Kg-dry	1	9/11/2006
Isopropylbenzene	< 6	6		µg/Kg-dry	1	9/11/2006
1,4-Dichlorobenzene	< 6	6		µg/Kg-dry	1	9/11/2006
1,2-Dichlorobenzene	< 6	6		µg/Kg-dry	1	9/11/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range

**Adirondack Environmental Services, Inc****Date:** 21-Nov-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908068  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** EX-F-29  
**Collection Date:** 9/8/2006  
**Lab Sample ID:** 060908068-002  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: <b>ML</b>
1,2-Dibromo-3-chloropropane	< 6	6		µg/Kg-dry	1	9/11/2006
1,2,4-Trichlorobenzene	< 6	6		µg/Kg-dry	1	9/11/2006
<b>PH SW9045B</b>						Analyst: <b>LS</b>
pH	6.9	1.0		pH Units	1	9/11/2006
<b>MOISURE CONTENT D2216</b>						Analyst: <b>PL</b>
Percent Moisture	21.0	1.0		wt%	1	9/9/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentitively Identified Compound-Estimated Conc.  
E - Value above quantitation range

# Adirondack Environmental Services, Inc

Date: 21-Nov-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908068  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** EX-F-30  
**Collection Date:** 9/8/2006  
**Lab Sample ID:** 060908068-003  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS SW6010B</b>						Analyst: <b>SM</b>
( Prep: SW3050A - 9/11/2006 )						
Aluminum	7950	22.6		µg/g-dry	1	9/11/2006 9:32:00 AM
Antimony	4.7	13.6	J	µg/g-dry	1	9/11/2006 9:32:00 AM
Arsenic	1.0	1.13	JS	µg/g-dry	1	9/11/2006 9:32:00 AM
Barium	669	2.26		µg/g-dry	1	9/11/2006 9:32:00 AM
Beryllium	0.43	1.13	J	µg/g-dry	1	9/11/2006 9:32:00 AM
Cadmium	< 1.13	1.13		µg/g-dry	1	9/11/2006 9:32:00 AM
Calcium	27000	113		µg/g-dry	1	9/11/2006 9:32:00 AM
Chromium	13.6	1.13		µg/g-dry	1	9/11/2006 9:32:00 AM
Cobalt	73.9	11.3	S	µg/g-dry	1	9/11/2006 9:32:00 AM
Copper	16.4	1.13		µg/g-dry	1	9/11/2006 9:32:00 AM
Iron	16000	11.3		µg/g-dry	1	9/11/2006 9:32:00 AM
Lead	< 1.13	1.13		µg/g-dry	1	9/11/2006 9:32:00 AM
Magnesium	7230	113		µg/g-dry	1	9/11/2006 9:32:00 AM
Manganese	360	2.26		µg/g-dry	1	9/11/2006 9:32:00 AM
Nickel	< 11.3	11.3		µg/g-dry	1	9/11/2006 9:32:00 AM
Potassium	822	113		µg/g-dry	1	9/11/2006 9:32:00 AM
Selenium	< 1.13	1.13		µg/g-dry	1	9/11/2006 9:32:00 AM
Silver	< 4.52	4.52	S	µg/g-dry	1	9/11/2006 9:32:00 AM
Sodium	110	113	J	µg/g-dry	1	9/11/2006 9:32:00 AM
Thallium	< 2.26	2.26	S	µg/g-dry	1	9/11/2006 9:32:00 AM
Vanadium	9.3	11.3	J	µg/g-dry	1	9/11/2006 9:32:00 AM
Zinc	218	2.26		µg/g-dry	1	9/11/2006 9:32:00 AM
<b>MERCURY SW7471A</b>						Analyst: <b>KH</b>
( Prep: SW7471A - 9/11/2006 )						
Mercury	< 0.226	0.226		µg/g-dry	1	9/11/2006
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: <b>ML</b>
Chloromethane	< 11	11		µg/Kg-dry	1	9/11/2006
Bromomethane	< 11	11		µg/Kg-dry	1	9/11/2006
Vinyl chloride	< 11	11		µg/Kg-dry	1	9/11/2006
Chloroethane	< 11	11		µg/Kg-dry	1	9/11/2006
Methylene chloride	< 6	6		µg/Kg-dry	1	9/11/2006
Acetone	< 11	11		µg/Kg-dry	1	9/11/2006
Carbon disulfide	< 6	6		µg/Kg-dry	1	9/11/2006
1,1-Dichloroethene	< 6	6		µg/Kg-dry	1	9/11/2006
1,1-Dichloroethane	< 6	6		µg/Kg-dry	1	9/11/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range

**Adirondack Environmental Services, Inc**

Date: 21-Nov-06

**CLIENT:** Shaw Environmental & Infrastructure**Client Sample ID:** EX-F-30**Work Order:** 060908068**Collection Date:** 9/8/2006**Project:** Schenectady Army Depot**Lab Sample ID:** 060908068-003**PO#:** 212830 OP**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: ML
trans-1,2-Dichloroethene	< 6	6		µg/Kg-dry	1	9/11/2006
cis-1,2-Dichloroethene	< 6	6		µg/Kg-dry	1	9/11/2006
Chloroform	< 6	6		µg/Kg-dry	1	9/11/2006
1,2-Dichloroethane	< 6	6		µg/Kg-dry	1	9/11/2006
2-Butanone	< 11	11		µg/Kg-dry	1	9/11/2006
1,1,1-Trichloroethane	< 6	6		µg/Kg-dry	1	9/11/2006
Carbon tetrachloride	< 6	6		µg/Kg-dry	1	9/11/2006
Bromodichloromethane	< 6	6		µg/Kg-dry	1	9/11/2006
1,2-Dichloropropane	< 6	6		µg/Kg-dry	1	9/11/2006
cis-1,3-Dichloropropene	< 6	6		µg/Kg-dry	1	9/11/2006
Trichloroethene	< 6	6		µg/Kg-dry	1	9/11/2006
Dibromochloromethane	< 6	6		µg/Kg-dry	1	9/11/2006
1,1,2-Trichloroethane	< 6	6		µg/Kg-dry	1	9/11/2006
Benzene	< 6	6		µg/Kg-dry	1	9/11/2006
trans-1,3-Dichloropropene	< 6	6		µg/Kg-dry	1	9/11/2006
Bromoform	< 6	6		µg/Kg-dry	1	9/11/2006
4-Methyl-2-pentanone	< 11	11		µg/Kg-dry	1	9/11/2006
2-Hexanone	< 11	11		µg/Kg-dry	1	9/11/2006
Tetrachloroethene	< 6	6		µg/Kg-dry	1	9/11/2006
1,1,2,2-Tetrachloroethane	< 6	6		µg/Kg-dry	1	9/11/2006
Toluene	< 6	6		µg/Kg-dry	1	9/11/2006
Chlorobenzene	< 6	6		µg/Kg-dry	1	9/11/2006
Ethylbenzene	< 6	6		µg/Kg-dry	1	9/11/2006
Styrene	< 6	6		µg/Kg-dry	1	9/11/2006
m,p-Xylene	< 6	6		µg/Kg-dry	1	9/11/2006
o-Xylene	< 6	6		µg/Kg-dry	1	9/11/2006
Methyl tert-butyl ether	< 6	6		µg/Kg-dry	1	9/11/2006
Dichlorodifluoromethane	< 6	6		µg/Kg-dry	1	9/11/2006
Methyl Acetate	< 6	6		µg/Kg-dry	1	9/11/2006
1,1,2-Trichloro-1,2,2-trifluoroethane	< 6	6		µg/Kg-dry	1	9/11/2006
Trichlorofluoromethane	< 6	6		µg/Kg-dry	1	9/11/2006
Cyclohexane	< 11	11		µg/Kg-dry	1	9/11/2006
Methyl Cyclohexane	< 6	6		µg/Kg-dry	1	9/11/2006
1,2-Dibromoethane	< 6	6		µg/Kg-dry	1	9/11/2006
1,3-Dichlorobenzene	< 6	6		µg/Kg-dry	1	9/11/2006
Isopropylbenzene	< 6	6		µg/Kg-dry	1	9/11/2006
1,4-Dichlorobenzene	< 6	6		µg/Kg-dry	1	9/11/2006
1,2-Dichlorobenzene	< 6	6		µg/Kg-dry	1	9/11/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range

**Adirondack Environmental Services, Inc**

Date: 21-Nov-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908068  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** EX-F-30  
**Collection Date:** 9/8/2006  
**Lab Sample ID:** 060908068-003  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: ML
1,2-Dibromo-3-chloropropane	< 6	6		µg/Kg-dry	1	9/11/2006
1,2,4-Trichlorobenzene	< 6	6		µg/Kg-dry	1	9/11/2006
<b>PH SW9045B</b>						Analyst: LS
pH	7.6	1.0		pH Units	1	9/11/2006
<b>MOISURE CONTENT D2216</b>						Analyst: PL
Percent Moisture	11.5	1.0		wt%	1	9/9/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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T - Tentitively Identified Compound-Estimated Conc.  
E - Value above quantitation range



## ANALYTICAL QC SUMMARY REPORT

CLIENT: Shaw Environmental &amp; Infrastructure

Work Order: 060908068

Project: Schenectady Army Depot

BatchID: 12202

MBLK	SeqNo: 413667		PrepDate:		TestNo: SW6010B		RunNo: 37054					
	Samp ID: MBLK		PrepRef:(SW3050A)		Units: µg/g		Analysis Date: 9/11/2006					
	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	Aluminum	5.932	20.0									J
	Antimony	0.142	12.0									J
	Arsenic	< 1.00	1.00									
	Barium	0.134	2.00									J
	Beryllium	0.074	1.00									J
	Cadmium	0.006	1.00									J
	Calcium	< 100	100									
	Chromium	0.152	1.00									J
	Cobalt	0.016	10.0									J
	Copper	< 1.00	1.00									
	Iron	0.23	10.0									J
	Lead	0.138	1.00									J
	Magnesium	0.926	100									J
	Manganese	< 2.00	2.00									
	Nickel	0.07	10.0									J
	Potassium	0.55	100									J
	Selenium	< 1.00	1.00									
	Silver	< 4.00	4.00									
	Sodium	< 100	100									
	Thallium	< 2.00	2.00									
	Vanadium	1.028	10.0									J
	Zinc	< 2.00	2.00									

LCS	SeqNo: 413668		PrepDate:		TestNo: SW6010B		RunNo: 37054					
	Samp ID: LCS-S		PrepRef:(SW3050A)		Units: µg/g		Analysis Date: 9/11/2006					
	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	5051	20.0		7590	5.932	66.5	57.8	142.3	0	0		
Antimony	45.86	12.0		77.5	0.142	59	1.3	223.2	0	0		
Arsenic	75.52	1.00		80.9	0	93.3	79.7	120.3	0	0		
Barium	148.3	2.00		156	0.134	95	82.1	117.9	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908068  
**Project:** Schenectady Army Depot

# ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12202

<b>LCS</b>	SeqNo: 413668	PrepDate:	TestNo: SW6010B	RunNo: 37054
	Samp ID: LCS-S	PrepRef:(SW3050A)	Units: µg/g	Analysis Date: 9/11/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	144.1	1.00	143	0.074	101	81.8	118.2	0	0		
Cadmium	223.5	1.00	233	0.006	95.9	80.7	118.9	0	0		
Calcium	4076	100	4320	0	94.3	79.2	120.8	0	0		
Chromium	56.36	1.00	60.8	0.152	92.5	78.5	121.4	0	0		
Cobalt	78.86	10.0	68.6	0.016	115	81.8	118.2	0	0		
Copper	128.2	1.00	131	0	97.9	82.4	117.6	0	0		
Iron	7869	10.0	14400	0.23	54.6	51.5	148.6	0	0		
Lead	82.09	1.00	76.8	0.138	107	80.6	119.5	0	0		
Magnesium	2175	100	2220	0.926	98	77	123	0	0		
Manganese	272.4	2.00	304	0	89.6	79.9	120.1	0	0		
Nickel	42.85	10.0	49.6	0.07	86.2	81.5	118.5	0	0		
Potassium	1909	100	2380	0.55	80.2	71.4	128.6	0	0		
Selenium	68.11	1.00	82.9	0	82.2	75.5	124.2	0	0		
Silver	63	4.00	80	0	78.7	61.3	138.8	0	0		
Sodium	457.8	100	456	0	100	55.7	144.3	0	0		
Thallium	163.8	2.00	158	0	104	75.3	124.7	0	0		
Vanadium	53.35	10.0	72.4	1.028	72.3	71.4	128.5	0	0		
Zinc	111	2.00	116	0	95.7	78	121.6	0	0		

<b>MS</b>	SeqNo: 413672	PrepDate:	TestNo: SW6010B	RunNo: 37054
	Samp ID: 060908068-001A (EX-F-28)	PrepRef:(SW3050A)	Units: µg/g-dry	Analysis Date: 9/11/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	14170	24.4	489	11950	453	75	125	0	0		S
Antimony	167.4	14.7	122.2	4.531	133	75	125	0	0		S
Arsenic	6.665	1.22	9.78	1.44	53.4	75	125	0	0		S
Barium	617.9	2.44	489	111.2	104	75	125	0	0		
Beryllium	13.56	1.22	12.22	1.061	102	75	125	0	0		
Cadmium	11.08	1.22	12.22	0	90.7	75	125	0	0		
Chromium	71.24	1.22	48.9	18.77	107	75	125	0	0		
Cobalt	182.4	12.2	122.2	15.76	136	75	125	0	0		S
Copper	83.26	1.22	61.12	25.33	94.8	75	125	0	0		
Iron	21900	12.2	244.5	19440	1010	75	125	0	0		S

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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R - RPD outside accepted recovery limits  
B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908068  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12202

MS		SeqNo: 413672		PrepDate:		TestNo: SW6010B		RunNo: 37054			
		Samp ID: 060908068-001A (EX-F-28)		PrepRef:(SW3050A)		Units: µg/g-dry		Analysis Date: 9/11/2006			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.452	1.22	4.89	0	132	75	125	0	0		S
Manganese	207.7	2.44	122.2	97.37	90.2	75	125	0	0		
Nickel	107.5	12.2	122.2	0	87.9	75	125	0	0		
Selenium	2.914	1.22	2.445	0	119	75	125	0	0		
Silver	6.09	4.89	12.22	0	49.8	75	125	0	0		S
Thallium	9.064	2.44	12.22	0	74.1	75	125	0	0		S
Vanadium	137.4	12.2	122.2	19.34	96.6	75	125	0	0		
Zinc	176.6	2.44	122.2	48.82	105	75	125	0	0		

DUP	SeqNo: 413671		PrepDate:		TestNo: SW6010B		RunNo: 37054					
	Samp ID: 060908068-001A		PrepRef:		Units: µg/g-dry		Analysis Date: 9/11/2006					
	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	11990	24.4	0	0	0	0	0	0	11950	0.340	20	
Antimony	2.692	14.7	0	0	0	0	0	0	4.531	0	17.2	
Arsenic	1.927	1.22	0	0	0	0	0	0	1.44	28.9	15.3	R
Barium	112	2.44	0	0	0	0	0	0	111.2	0.743	17.8	
Beryllium	1.02	1.22	0	0	0	0	0	0	1.061	0	11.5	
Cadmium	-0.2029	1.22	0	0	0	0	0	0	0	0	15.4	
Calcium	1435	122	0	0	0	0	0	0	1448	0.897	20	
Chromium	18.83	1.22	0	0	0	0	0	0	18.77	0.325	20	
Cobalt	18.29	12.2	0	0	0	0	0	0	15.76	14.9	18.9	
Copper	23.99	1.22	0	0	0	0	0	0	25.33	5.44	20	
Iron	18900	12.2	0	0	0	0	0	0	19440	2.78	16.4	
Lead	-11.86	1.22	0	0	0	0	0	0	0	0	20	
Magnesium	3601	122	0	0	0	0	0	0	3635	0.940	20	
Manganese	113	2.44	0	0	0	0	0	0	97.37	14.9	20	
Nickel	-17.29	12.2	0	0	0	0	0	0	0	0	16.5	
Potassium	557.6	122	0	0	0	0	0	0	518.2	7.32	20	
Selenium	-34.5	1.22	0	0	0	0	0	0	0	0	20	
Silver	-3.655	4.89	0	0	0	0	0	0	0	0	10.3	
Sodium	270	122	0	0	0	0	0	0	274.7	1.72	21.2	
Thallium	-1.237	2.44	0	0	0	0	0	0	0	0	23.1	

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R - RPD outside accepted recovery limits  
B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908068  
**Project:** Schenectady Army Depot

# ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12202

DUP	SeqNo: 413671		PrepDate:		TestNo: SW6010B		RunNo: 37054				
	Samp ID: 060908068-001A		PrepRef:		Units: µg/g-dry		Analysis Date: 9/11/2006				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vanadium	19.55	12.2	0	0	0	0	0	19.34	1.11	11.5	
Zinc	48.51	2.44	0	0	0	0	0	48.82	0.623	20.4	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908068  
**Project:** Schenectady Army Depot

# ANALYTICAL QC SUMMARY REPORT

BatchID: 12204

<b>MBLK</b>	SeqNo: 413428	PrepDate:9/11/2006	TestNo: SW7471A	RunNo: 37044
	Samp ID: MB-12204	PrepRef:(SW7471A)	Units: µg/g	Analysis Date: 9/11/2006

[illegible]

<b>LCS</b>	SeqNo: 413429	PrepDate:9/11/2006	TestNo: SW7471A	RunNo: 37044
	Samp ID: LCS-12204	PrepRef:(SW7471A)	Units: µg/g	Analysis Date: 9/11/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	4.35	1.00	3.6	0	121	68.1	131.9	0	0		

<b>MS</b>	SeqNo: 413436	PrepDate:9/11/2006	TestNo: SW7471A	RunNo: 37044
	Samp ID: 060908068-001A (EX-F-28)	PrepRef:(SW7471A)	Units: µg/g-dry	Analysis Date: 9/11/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.6601	0.244	0.6112	0	108	74.4	123	0	0		

<b>DUP</b>	SeqNo: 413435	PrepDate: 9/11/2006	TestNo: SW7471A	RunNo: 37044
	Samp ID: 060908068-001A	PrepRef:	Units: µg/g-dry	Analysis Date: 9/11/2006

[illegible]

**Qualifiers:**

ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	

Page 5 of 13

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908068  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID: R37039**

<b>DUP</b>	SeqNo: 413367		TestNo: SW9045B		RunNo: 37039	
	Samp ID: 060908068-001A		Units: pH Units		Analysis Date: 9/11/2006	
<u>Analyte</u> pH	<u>Result</u>	<u>PQL</u>	<u>SPK value</u>	<u>SPK Ref Val</u>	<u>%REC</u>	<u>LowLimit</u>
	5.7	1.00	0	0	0	0
						<u>HighLimit</u>
						0
						<u>RPD Ref Val</u>
						5.6
						<u>%RPD</u>
						1.77
						<u>RPDLimit</u>
						3.24
<b>LCS</b>	SeqNo: 413363		TestNo: E150.1		RunNo: 37039	
	Samp ID: LCS-R37039		Units: pH Units		Analysis Date: 9/11/2006	
<u>Analyte</u> pH	<u>Result</u>	<u>PQL</u>	<u>SPK value</u>	<u>SPK Ref Val</u>	<u>%REC</u>	<u>LowLimit</u>
	7.54	1.00	7.54	0	100	95.6
						<u>HighLimit</u>
						102
						<u>RPD Ref Val</u>
						0
						<u>%RPD</u>
						0
						<u>RPDLimit</u>

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908068  
**Project:** Schenectady Army Depot

# ANALYTICAL QC SUMMARY REPORT

**BatchID: R37048**

SeqNo: 413519 Samp ID: MB-R37048		TestNo: SW8260B Units: µg/Kg		RunNo: 37048 Analysis Date: 9/11/2006							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloromethane	< 10	10									
Bromomethane	< 10	10									
Vinyl chloride	< 10	10									
Chloroethane	< 10	10									
Methylene chloride	< 5.0	5.0									
Acetone	< 10	10									
Carbon disulfide	< 5.0	5.0									
1,1-Dichloroethene	< 5.0	5.0									
1,1-Dichloroethane	< 5.0	5.0									
trans-1,2-Dichloroethene	< 5.0	5.0									
cis-1,2-Dichloroethene	< 5.0	5.0									
Chloroform	< 5.0	5.0									
1,2-Dichloroethane	< 5.0	5.0									
2-Butanone	< 10	10									
1,1,1-Trichloroethane	< 5.0	5.0									
Carbon tetrachloride	< 5.0	5.0									
Bromodichloromethane	< 5.0	5.0									
1,2-Dichloropropane	< 5.0	5.0									
cis-1,3-Dichloropropene	< 5.0	5.0									
Trichloroethene	< 5.0	5.0									
Dibromochloromethane	< 5.0	5.0									
1,1,2-Trichloroethane	< 5.0	5.0									
Benzene	< 5.0	5.0									
trans-1,3-Dichloropropene	< 5.0	5.0									
Bromoform	< 5.0	5.0									
4-Methyl-2-pentanone	< 10	10									
2-Hexanone	< 10	10									
Tetrachloroethene	< 5.0	5.0									
1,1,2,2-Tetrachloroethane	< 5.0	5.0									
Toluene	< 5.0	5.0									
Chlorobenzene	< 5.0	5.0									
Ethylbenzene	< 5.0	5.0									

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908068  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID: R37048**

<b>MBLK</b>	SeqNo: 413519	TestNo: SW8260B	RunNo: 37048
	Samp ID: MB-R37048	Units: µg/Kg	Analysis Date: 9/11/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Styrene	< 5.0	5.0									
m,p-Xylene	< 5.0	5.0									
o-Xylene	< 5.0	5.0									
Methyl tert-butyl ether	< 5.0	5.0									
Dichlorodifluoromethane	< 5.0	5.0									
Methyl Acetate	< 5.0	5.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	< 5.0	5.0									
Trichlorofluoromethane	< 5.0	5.0									
Cyclohexane	< 10	10									
Methyl Cyclohexane	< 5.0	5.0									
1,2-Dibromoethane	< 5.0	5.0									
1,3-Dichlorobenzene	< 5.0	5.0									
Isopropylbenzene	< 5.0	5.0									
1,2-Dichlorobenzene	< 5.0	5.0									
1,4-Dichlorobenzene	< 5.0	5.0									
1,2-Dibromo-3-chloropropane	< 5.0	5.0									
1,2,4-Trichlorobenzene	< 5.0	5.0									
Surr: 1,2-Dichloroethane-d4	44.67	5.0	50	0	89.3	64.8	130	0	0	0	
Surr: 4-Bromofluorobenzene	51.89	5.0	50	0	104	76.8	122	0	0	0	
Surr: Toluene-d8	50.52	5.0	50	0	101	78.5	120	0	0	0	

<b>LCS</b>	SeqNo: 413860	TestNo: SW8260B	RunNo: 37048
	Samp ID: LCS050	Units: µg/Kg	Analysis Date: 9/11/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	49.72	5.0	50	0	99.4	61.8	140	0	0	0	
1,1,2,2-Tetrachloroethane	68.54	5.0	50	0	137	49.9	147	0	0	0	
1,1,2-Trichloro-1,2,2-trifluoroethane	48.24	5.0	50	0	96.5	70	130	0	0	0	
1,1,2-Trichloroethane	51.95	5.0	50	0	104	57.2	150	0	0	0	
1,1-Dichloroethane	50.98	5.0	50	0	102	66.9	133	0	0	0	
1,1-Dichloroethene	47.32	5.0	50	0	94.6	43.3	147	0	0	0	
1,2,4-Trichlorobenzene	70.72	5.0	50	0	141	43	115	0	0	0	S
1,2-Dibromoethane	54.95	5.0	50	0	110	80.6	142	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank



**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908068  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID: R37048**

<b>LCS</b>	SeqNo: 413860	TestNo: SW8260B	RunNo: 37048
	Samp ID: LCS050	Units: µg/Kg	Analysis Date: 9/11/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichlorobenzene	59.06	5.0	50	0	118	75.6	110.4	0	0		S
1,2-Dichloroethane	64.55	5.0	50	0	129	63.6	137	0	0		
1,2-Dichloropropane	47.05	5.0	50	0	94.1	66.4	141	0	0		
1,3-Dichlorobenzene	57.81	5.0	50	0	116	80	114	0	0		S
1,4-Dichlorobenzene	60.61	5.0	50	0	121	83	123	0	0		
2-Butanone	39.41	10	50	0	78.8	49.7	149	0	0		
2-Hexanone	44.37	10	50	0	88.7	71.3	156	0	0		
4-Methyl-2-pentanone	52.7	10	50	0	105	31.4	184	0	0		
Acetone	43.48	10	50	0	87	60	130	0	0		
Benzene	50.4	5.0	50	0	101	68.7	140	0	0		
Bromodichloromethane	49.86	5.0	50	0	99.7	62.5	141	0	0		
Bromoform	54.95	5.0	50	0	110	52.5	149	0	0		
Bromomethane	33.92	10	50	0	67.8	35.7	177	0	0		
Carbon disulfide	48.15	5.0	50	0	96.3	54.2	158	0	0		
Carbon tetrachloride	50.59	5.0	50	0	101	65.4	135	0	0		
Chlorobenzene	55.61	5.0	50	0	111	64.5	141	0	0		
Chloroethane	35.46	10	50	0	70.9	52.5	151	0	0		
Chloroform	57.36	5.0	50	0	115	71.4	134	0	0		
cis-1,2-Dichloroethene	46.35	5.0	50	0	92.7	51	133	0	0		
cis-1,3-Dichloropropene	46.23	5.0	50	0	92.5	59.7	132	0	0		
Cyclohexane	46.22	10	50	0	92.4	70	130	0	0		
Dibromochloromethane	54.27	5.0	50	0	109	60.4	143	0	0		
Ethylbenzene	53.56	5.0	50	0	107	65	131	0	0		
Isopropylbenzene	56.8	5.0	50	0	114	70	130	0	0		
m,p-Xylene	112.8	5.0	100	0	113	43.6	168	0	0		
Methyl Acetate	49.29	5.0	50	0	98.6	50.1	150	0	0		
Methyl Cyclohexane	47.57	5.0	50	0	95.1	68.1	148	0	0		
Methyl tert-butyl ether	43.17	5.0	50	0	86.3	60.3	138	0	0		
Methylene chloride	52.5	5.0	50	0	105	32.9	173	0	0		
o-Xylene	56	5.0	50	0	112	54.2	137	0	0		
Styrene	58.27	5.0	50	0	117	68.3	127	0	0		
Tetrachloroethene	54.48	5.0	50	0	109	51.5	147	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908068  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** R37048

<b>LCS</b>	SeqNo: 413860	TestNo: SW8260B	RunNo: 37048
	Samp ID: LCS050	Units: µg/Kg	Analysis Date: 9/11/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	52.37	5.0	50	0	105	60.2	143	0	0		
trans-1,2-Dichloroethene	45.2	5.0	50	0	90.4	63.8	128	0	0		
trans-1,3-Dichloropropene	46.51	5.0	50	0	93	58.3	131	0	0		
Trichloroethene	47.96	5.0	50	0	95.9	62.2	142	0	0		
Trichlorofluoromethane	37.98	5.0	50	0	76	53.7	152	0	0		
Surr: 1,2-Dichloroethane-d4	45.36	5.0	50	0	90.7	64.8	130	0	0		
Surr: 4-Bromofluorobenzene	52.43	5.0	50	0	105	76.8	122	0	0		
Surr: Toluene-d8	49.95	5.0	50	0	99.9	78.5	120	0	0		

<b>MS</b>	SeqNo: 413858	TestNo: SW8260B	RunNo: 37048
	Samp ID: 060907004-001A	Units: µg/Kg-dry	Analysis Date: 9/11/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	50.84	5.1	51.02	0	99.7	61.8	140	0	0		
1,1,2,2-Tetrachloroethane	65.33	5.1	51.02	0	128	49.9	147	0	0		
1,1,2-Trichloro-1,2,2-trifluoroethane	41.82	5.1	51.02	0	82	70	130	0	0		
1,1,2-Trichloroethane	49.17	5.1	51.02	0	96.4	57.2	150	0	0		
1,1-Dichloroethane	46.8	5.1	51.02	0	91.7	66.9	133	0	0		
1,1-Dichloroethene	43.43	5.1	51.02	0	85.1	43.3	147	0	0		
1,2,4-Trichlorobenzene	40.65	5.1	51.02	0	79.7	57.7	132	0	0		
1,2-Dibromoethane	49.83	5.1	51.02	0	97.7	70	130	0	0		
1,2-Dichlorobenzene	46.56	5.1	51.02	0	91.2	75.6	110.4	0	0		
1,2-Dichloroethane	55.56	5.1	51.02	0	109	63.6	137	0	0		
1,2-Dichloropropane	42.52	5.1	51.02	0	83.3	66.4	141	0	0		
1,3-Dichlorobenzene	40.68	5.1	51.02	0	79.7	80	114	0	0		S
1,4-Dichlorobenzene	42.91	5.1	51.02	0	84.1	83	123	0	0		
2-Butanone	44.8	10	51.02	0	87.8	75	125	0	0		
2-Hexanone	49.26	10	51.02	0	96.5	75	125	0	0		
4-Methyl-2-pentanone	60.29	10	51.02	0	118	31.4	184	0	0		
Acetone	52.54	10	51.02	0	103	75	125	0	0		
Benzene	47.82	5.1	51.02	0	93.7	68.7	140	0	0		
Bromodichloromethane	48.57	5.1	51.02	0	95.2	62.5	141	0	0		
Bromoform	52.08	5.1	51.02	0	102	52.5	149	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908068  
**Project:** Schenectady Army Depot

# ANALYTICAL QC SUMMARY REPORT

**BatchID:** R37048

MS		SeqNo: 413858 Samp ID: 060907004-001A		TestNo: SW8260B Units: µg/Kg-dry		RunNo: 37048 Analysis Date: 9/11/2006					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	33.57	10	51.02	0	65.8	35.7	177	0	0	0	
Carbon disulfide	39.91	5.1	51.02	0	78.2	54.2	158	0	0	0	
Carbon tetrachloride	50.6	5.1	51.02	0	99.2	65.4	135	0	0	0	
Chlorobenzene	47.34	5.1	51.02	0	92.8	64.5	141	0	0	0	
Chloroethane	33.68	10	51.02	0	66	52.5	151	0	0	0	
Chloroform	50.75	5.1	51.02	0	99.5	71.4	134	0	0	0	
cis-1,2-Dichloroethene	38.92	5.1	51.02	0	76.3	51	133	0	0	0	
cis-1,3-Dichloropropene	39.61	5.1	51.02	0	77.6	59.7	132	0	0	0	
Cyclohexane	41.7	10	51.02	0	81.7	70	130	0	0	0	
Dibromochloromethane	51.74	5.1	51.02	0	101	60.4	143	0	0	0	
Ethylbenzene	46.56	5.1	51.02	0	91.3	65	131	0	0	0	
Isopropylbenzene	48.13	5.1	51.02	0	94.3	70	130	0	0	0	
m,p-Xylene	96.12	5.1	102	0	94.2	43.6	168	0	0	0	
Methyl Acetate	54.32	5.1	51.02	0	106	70	130	0	0	0	
Methyl Cyclohexane	36.76	5.1	51.02	0	72.1	70	130	0	0	0	
Methyl tert-butyl ether	44.22	5.1	51.02	0	86.7	75	125	0	0	0	
Methylene chloride	52.01	5.1	51.02	6.627	89	32.9	173	0	0	0	
o-Xylene	49.31	5.1	51.02	0	96.7	54.2	137	0	0	0	
Styrene	48.29	5.1	51.02	0	94.6	68.3	127	0	0	0	
Tetrachloroethene	49.67	5.1	51.02	0	97.4	51.5	147	0	0	0	
Toluene	48.69	5.1	51.02	0	95.4	60.2	143	0	0	0	
trans-1,2-Dichloroethene	37.4	5.1	51.02	0	73.3	63.8	128	0	0	0	
trans-1,3-Dichloropropene	38.08	5.1	51.02	0	74.6	58.3	131	0	0	0	
Trichloroethene	42.73	5.1	51.02	0	83.7	62.2	142	0	0	0	
Trichlorofluoromethane	36.22	5.1	51.02	0	71	53.7	152	0	0	0	
Surr: 1,2-Dichloroethane-d4	41.71	5.1	51.02	0	81.7	64.8	130	0	0	0	
Surr: 4-Bromofluorobenzene	43.07	5.1	51.02	0	84.4	76.8	122	0	0	0	
Surr: Toluene-d8	47.48	5.1	51.02	0	93.1	78.5	120	0	0	0	

MSD	SeqNo: 413859		TestNo: SW8260B		RunNo: 37048						
	Samp ID: 060907004-001A		Units: µg/Kg-dry		Analysis Date: 9/11/2006						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Qualifiers:	ND - Not Detected at the Reporting Limit										
	J - Analyte detected below quantitation limits										
	S - Spike Recovery outside accepted recovery limits										
	R - RPD outside accepted recovery limits										
	B - Analyte detected in the associated Method Blank										

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**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908068  
**Project:** Schenectady Army Depot

# ANALYTICAL QC SUMMARY REPORT

**BatchID:** R37048

SeqNo: 413859		TestNo: SW8260B		RunNo: 37048							
Samp ID: 060907004-001A		Units: µg/Kg-dry		Analysis Date: 9/11/2006							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	48.93	5.1	51.02	0	95.9	61.8	140	50.84	3.83	14.7	
1,1,2,2-Tetrachloroethane	52.81	5.1	51.02	0	104	49.9	147	65.33	21.2	32.8	
1,1,2-Trichloro-1,2,2-trifluoroethane	44.72	5.1	51.02	0	87.6	70	130	41.82	6.69	25.3	
1,1,2-Trichloroethane	49.09	5.1	51.02	0	96.2	57.2	150	49.17	0.176	15.1	
1,1-Dichloroethane	46	5.1	51.02	0	90.2	66.9	133	46.8	1.72	19.9	
1,1-Dichloroethene	43.86	5.1	51.02	0	86	43.3	147	43.43	0.980	30	
1,2,4-Trichlorobenzene	42.07	5.1	51.02	0	82.5	57.7	132	40.65	3.45	30	
1,2-Dibromoethane	49.33	5.1	51.02	0	96.7	70	130	49.83	0.998	7.97	
1,2-Dichlorobenzene	47.9	5.1	51.02	0	93.9	75.6	110.4	46.56	2.84	33.4	
1,2-Dichloroethane	56.8	5.1	51.02	0	111	63.6	137	55.56	2.22	19.5	
1,2-Dichloropropane	43.19	5.1	51.02	0	84.6	66.4	141	42.52	1.55	7.26	
1,3-Dichlorobenzene	43.39	5.1	51.02	0	85	80	114	40.68	6.45	30	
1,4-Dichlorobenzene	45.2	5.1	51.02	0	88.6	83	123	42.91	5.20	30	
2-Butanone	42.48	10	51.02	0	83.3	75	125	44.8	5.31	30	
2-Hexanone	44.51	10	51.02	0	87.2	75	125	49.26	10.1	9.43	R
4-Methyl-2-pentanone	53.78	10	51.02	0	105	31.4	184	60.29	11.4	30	
Acetone	49.01	10	51.02	0	96.1	75	125	52.54	6.95	30	
Benzene	48.91	5.1	51.02	0	95.9	68.7	140	47.82	2.25	30	
Bromodichloromethane	48.34	5.1	51.02	0	94.7	62.5	141	48.57	0.490	7.37	
Bromoform	49.72	5.1	51.02	0	97.4	52.5	149	52.08	4.65	7.05	
Bromomethane	31.56	10	51.02	0	61.9	35.7	177	33.57	6.18	6.29	
Carbon disulfide	41.87	5.1	51.02	0	82.1	54.2	158	39.91	4.78	20.4	
Carbon tetrachloride	48.93	5.1	51.02	0	95.9	65.4	135	50.6	3.35	15.8	
Chlorobenzene	48.43	5.1	51.02	0	94.9	64.5	141	47.34	2.29	27.9	
Chloroethane	32.61	10	51.02	0	63.9	52.5	151	33.68	3.24	19.6	
Chloroform	50.78	5.1	51.02	0	99.5	71.4	134	50.75	0.0647	17.5	
cis-1,2-Dichloroethene	40.5	5.1	51.02	0	79.4	51	133	38.92	3.98	18.6	
cis-1,3-Dichloropropene	34.75	5.1	51.02	0	68.1	59.7	132	39.61	13.1	18	
Cyclohexane	44.09	10	51.02	0	86.4	70	130	41.7	5.59	8.01	
Dibromochloromethane	50.03	5.1	51.02	0	98.1	60.4	143	51.74	3.37	16.9	
Ethylbenzene	48.56	5.1	51.02	0	95.2	65	131	46.56	4.20	30	
Isopropylbenzene	49.09	5.1	51.02	0	96.2	70	130	48.13	1.97	30	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060908068  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** R37048

MSD		SeqNo: 413859		TestNo: SW8260B		RunNo: 37048					
		Samp ID: 060907004-001A		Units: µg/Kg-dry		Analysis Date: 9/11/2006					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylene	98.99	5.1	102	0	97	43.6	168	96.12	2.94	30	
Methyl Acetate	47.94	5.1	51.02	0	94	70	130	54.32	12.5	30	
Methyl Cyclohexane	41.7	5.1	51.02	0	81.7	70	130	36.76	12.6	8.77	R
Methyl tert-butyl ether	43.3	5.1	51.02	0	84.9	75	125	44.22	2.12	33.8	
Methylene chloride	50.08	5.1	51.02	6.627	85.2	32.9	173	52.01	3.79	16.2	
o-Xylene	48.83	5.1	51.02	0	95.7	54.2	137	49.31	0.986	30	
Styrene	50.71	5.1	51.02	0	99.4	68.3	127	48.29	4.89	10	
Tetrachloroethene	50.08	5.1	51.02	0	98.2	51.5	147	49.67	0.817	23	
Toluene	48.58	5.1	51.02	0	95.2	60.2	143	48.69	0.222	30	
trans-1,2-Dichloroethene	39.15	5.1	51.02	0	76.7	63.8	128	37.4	4.56	17.5	
trans-1,3-Dichloropropene	35.47	5.1	51.02	0	69.5	58.3	131	38.08	7.12	4.05	
Trichloroethene	49.47	5.1	51.02	0	97	62.2	142	42.73	14.6	22	
Trichlorofluoromethane	34.44	5.1	51.02	0	67.5	53.7	152	36.22	5.04	3.27	
Surr: 1,2-Dichloroethane-d4	42.56	5.1	51.02	0	83.4	64.8	130	0	0	0	
Surr: 4-Bromofluorobenzene	45.93	5.1	51.02	0	90	76.8	122	0	0	0	
Surr: Toluene-d8	48.7	5.1	51.02	0	95.5	78.5	120	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
B - Analyte detected in the associated Method Blank



314 North Pearl Street  
Albany, New York 12207  
518-434-4546/434-0891 FAX

## CHAIN OF CUSTODY RECORD

Experience is the solution

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: <b>Shaw Environmental</b>		Address: <b>Findlay, OH</b>						
Send Report To: <b>Guy Gallo</b>		Project Name (Location): <b>Former Schuylkill Army Depot</b>			Samplers: (Names) <b>D. Graham</b>			
Client Phone No: <b>419-425-6080</b>		Client Fax No:		PO Number:		Samplers: (Signature) 		
AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type			Number of Cont's	Analysis Required
				Matrix	Comp	Grab		
001	EX-F-28	9/8/06	1315	A	S	Y	2	8260/TAL Metals/Hg ↓
002	EX-F-29	9/8/06	1345	P	S	Y	2	
003	EX-F-30	9/8/06	1355	P	S	Y	2	
				A				
				P				
				A				
				P				
				A				
				P				
				A				
				P				
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				A				
				P				
				A				
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				P				
				A				
				P				

AES Work Order #: <b>060908 068</b>		CC Report To / Special Instructions/Remarks:	
Turnaround Time Request: <input checked="" type="checkbox"/> 1 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> Normal <input type="checkbox"/> 2 Day <input type="checkbox"/> 5 Day			
Relinquished by: (Signature) 		Received by: (Signature)	Date/Time <b>9/8/06 1630</b>
Relinquished by: (Signature)		Received by: (Signature)	Date/Time
Relinquished by: (Signature)		Received for Laboratory by: 	Date/Time <b>9/8/06 4:22</b>
TEMPERATURE Ambient or <b>Chilled</b> Notes: <b>IC</b>		PROPERLY PRESERVED <b>Y</b> N Notes:	RECEIVED WITHIN HOLDING TIMES <b>Y</b> N Notes:

WHITE - Lab Copy

YELLOW - Sampler Copy

PINK - Generator Copy

**Adirondack Environmental Services, Inc.**



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## TERMS, CONDITIONS & LIMITATIONS

All Services rendered by **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

- (a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.
- (b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed as irrevocably waived.
- (c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.
- (d) In no event shall **Adirondack Environmental Services, Inc.**, its employees agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.
- (e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**
- (f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.



## Shaw Environmental & Infrastructure, Inc.

### Data Usability Report

16406 U.S. Route 224 East • Findlay, Ohio 45840

Findlay Ohio Office – Federal Technical Services

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<b>PROJECT NUMBER:</b>	115215	<b>SAMPLE RECEIPT DATE:</b>	09/11/2006
<b>PROJECT MANAGER:</b>	Tom Mathison	<b>LABORATORY SDG:</b>	060911040
<b>PROJECT NAME:</b>	USACE-Schenectady		

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The Findlay Ohio Applied Sciences Group has performed a QA evaluation of the data report from Adirondack Environmental Laboratories, Inc. (AEL) in Albany, NY. The results are for samples collected at the Former Schenectady Army Depot (AOC 2), Voorheesville Area, New York by on-site Shaw E & I personnel. The samples were analyzed for the parameters listed in the Sample Summary Table.

Sample Summary Table			
Sample Number	Collection Date	Matrix	Analysis Requested
EX-F-31, DUP8906, EX-F-32	09/09/2006	Soil	Target Metals SW-6010B/ 7471A VOCs-SW8260B

All samples were received at the laboratory intact and sample analyses were performed within the required holding times. The cooler was submitted with chain-of-custody forms and was received with an internal temperature of 4°C. Since the samples were collected on September 9<sup>th</sup> the reviewer can only assume that the samples were stored under ice until delivered to the laboratory. The laboratory provided a faxed preliminary report within the specified turn around time and a full data package at a later date. The following describes the overall QA/QC indicators.

#### VOC Analysis in Soil by 8260B

The laboratory report does not include any GC/MS tuning or calibration data. However, the Case Narrative states that all requirements were met.

**Method Blanks:** The method blank results are below reporting limits for all reported analytes

**LCS:** The LCS recoveries are within the laboratory established acceptance criteria for all analytes except dichlorodifluoromethane (%R-30.3). In addition, recoveries were low (<70%R), but within the lab limits for the purgeable gasses with %R values of 41.3-68.4. Each of these analytes either has no established TAGM 4046 limit or an action-level significantly above the reporting limit. In all cases, no significant effect on data usability has occurred.

**MS/MSD:** The QC Matrix recovery and precision performance, using a soil sample from another client's site is within the project acceptance limits for all compounds. However, since the spiked sample was not



from the AOC-2 site, the data is not site-specific and only indicates performance in a similar matrix. It should be noted that performance in the site matrix has been previously demonstrated.

**Surrogates:** All surrogate recoveries are within acceptable criteria.

Reported results should be utilized with confidence.

#### **Metals Analysis in Soil by SW6010B and SW7471A**

Although the data package does not provide the calibration data, the Case Narrative states that the ICP and CVAA systems were calibrated for the target analytes in accordance with method requirements.

**Method Blanks:** The method blank results are below reporting limits for all reported analytes.

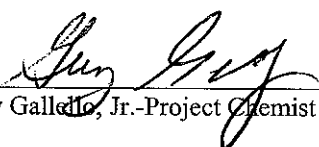
**LCS:** The LCS recoveries are within laboratory acceptance criteria for the target analytes. Recovery of Antimony (53.9%R) and Vanadium (71.5%R) are low compared to the method range of 80-120%R for the LCS.

**QC Matrix:** The MS recoveries, using sample EX-F-31 are within acceptance limits for all analytes with native concentrations less than 4X the spike level, except for zinc at 17%R. Since the results in all samples for this analyte were above the TAGM 4046 limit, resulting in additional removal, there is no effect on data usability from the apparent low bias in the data

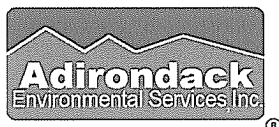
Reported results should be utilized with confidence

#### **Summary of Analysis**

The overall Quality Control data provided in the laboratory report is representative of adequate method accuracy and precision with regard to project objectives. The reported data should be utilized, without reservation, in the intended project decision-making process.

  
Guy Galletto, Jr.-Project Chemist

11/30/2016  
Date



**Experience is the solution**

314 North Pearl Street ♦ Albany, New York 12207  
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

November 21, 2006

Guy Gallelo  
Shaw Environmental & Infrastructure  
16406 US Route 224 East  
Findlay, OH 45840

TEL: (419) 425-6080  
FAX: (419) 425-6085

Work Order No: 060911040  
PO#: 212830 OP

RE: Schenectady Army Depot  
SADVA

Dear Guy Gallelo:

Adirondack Environmental Services, Inc received 3 samples on 9/11/2006 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Christopher Hess  
QA Manager

ELAP#: 10709  
AIHA#: 100307

G. Gallelo - FAX

---

**Qualifiers:**

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B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range

# Adirondack Environmental Services, Inc

Date: 21-Nov-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060911040  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** EX-F-31  
**Collection Date:** 9/9/2006  
**Lab Sample ID:** 060911040-001  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS SW6010B</b>						Analyst: <b>SM</b>
( Prep: SW3050A - 9/12/2006 )						
Aluminum	9350	22.3		µg/g-dry	1	9/12/2006 8:40:00 AM
Antimony	6.9	13.4	JS	µg/g-dry	1	9/12/2006 8:40:00 AM
Arsenic	2.19	1.11		µg/g-dry	1	9/12/2006 8:40:00 AM
Barium	454	2.23	S	µg/g-dry	1	9/12/2006 8:40:00 AM
Beryllium	0.43	1.11	J	µg/g-dry	1	9/12/2006 8:40:00 AM
Cadmium	< 1.11	1.11		µg/g-dry	1	9/12/2006 8:40:00 AM
Calcium	19500	111		µg/g-dry	1	9/12/2006 8:40:00 AM
Chromium	16.6	1.11		µg/g-dry	1	9/12/2006 8:40:00 AM
Cobalt	54.8	11.1		µg/g-dry	1	9/12/2006 8:40:00 AM
Copper	19.5	1.11		µg/g-dry	1	9/12/2006 8:40:00 AM
Iron	16400	11.1		µg/g-dry	1	9/12/2006 8:40:00 AM
Lead	< 1.11	1.11		µg/g-dry	1	9/12/2006 8:40:00 AM
Magnesium	6620	111		µg/g-dry	1	9/12/2006 8:40:00 AM
Manganese	487	2.23		µg/g-dry	1	9/12/2006 8:40:00 AM
Nickel	< 11.1	11.1		µg/g-dry	1	9/12/2006 8:40:00 AM
Potassium	1380	111		µg/g-dry	1	9/12/2006 8:40:00 AM
Selenium	< 1.11	1.11		µg/g-dry	1	9/12/2006 8:40:00 AM
Silver	< 4.46	4.46	S	µg/g-dry	1	9/12/2006 8:40:00 AM
Sodium	214	111		µg/g-dry	1	9/12/2006 8:40:00 AM
Thallium	< 2.23	2.23		µg/g-dry	1	9/12/2006 8:40:00 AM
Vanadium	11.3	11.1		µg/g-dry	1	9/12/2006 8:40:00 AM
Zinc	160	2.23	S	µg/g-dry	1	9/12/2006 8:40:00 AM
<b>MERCURY SW7471A</b>						Analyst: <b>KH</b>
( Prep: SW7471A - 9/12/2006 )						
Mercury	< 0.111	0.111		µg/g-dry	1	9/12/2006
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: <b>ML</b>
Chloromethane	< 11	11		µg/Kg-dry	1	9/12/2006
Bromomethane	< 11	11		µg/Kg-dry	1	9/12/2006
Vinyl chloride	< 11	11		µg/Kg-dry	1	9/12/2006
Chloroethane	< 11	11		µg/Kg-dry	1	9/12/2006
Methylene chloride	< 6	6		µg/Kg-dry	1	9/12/2006
Acetone	< 11	11		µg/Kg-dry	1	9/12/2006
Carbon disulfide	< 6	6		µg/Kg-dry	1	9/12/2006
1,1-Dichloroethene	< 6	6		µg/Kg-dry	1	9/12/2006
1,1-Dichloroethane	< 6	6		µg/Kg-dry	1	9/12/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range

# Adirondack Environmental Services, Inc

Date: 21-Nov-06

CLIENT: Shaw Environmental & Infrastructure

Client Sample ID: EX-F-31

Work Order: 060911040

Collection Date: 9/9/2006

Project: Schenectady Army Depot

Lab Sample ID: 060911040-001

PO#: 212830 OP

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: ML
trans-1,2-Dichloroethene	< 6	6		µg/Kg-dry	1	9/12/2006
cis-1,2-Dichloroethene	< 6	6		µg/Kg-dry	1	9/12/2006
Chloroform	< 6	6		µg/Kg-dry	1	9/12/2006
1,2-Dichloroethane	< 6	6		µg/Kg-dry	1	9/12/2006
2-Butanone	< 11	11		µg/Kg-dry	1	9/12/2006
1,1,1-Trichloroethane	< 6	6		µg/Kg-dry	1	9/12/2006
Carbon tetrachloride	< 6	6		µg/Kg-dry	1	9/12/2006
Bromodichloromethane	< 6	6		µg/Kg-dry	1	9/12/2006
1,2-Dichloropropane	< 6	6		µg/Kg-dry	1	9/12/2006
cis-1,3-Dichloropropene	< 6	6		µg/Kg-dry	1	9/12/2006
Trichloroethene	< 6	6		µg/Kg-dry	1	9/12/2006
Dibromochloromethane	< 6	6		µg/Kg-dry	1	9/12/2006
1,1,2-Trichloroethane	< 6	6		µg/Kg-dry	1	9/12/2006
Benzene	< 6	6		µg/Kg-dry	1	9/12/2006
trans-1,3-Dichloropropene	< 6	6		µg/Kg-dry	1	9/12/2006
Bromoform	< 6	6		µg/Kg-dry	1	9/12/2006
4-Methyl-2-pentanone	< 11	11		µg/Kg-dry	1	9/12/2006
2-Hexanone	< 11	11		µg/Kg-dry	1	9/12/2006
Tetrachloroethene	< 6	6		µg/Kg-dry	1	9/12/2006
1,1,2,2-Tetrachloroethane	< 6	6		µg/Kg-dry	1	9/12/2006
Toluene	< 6	6		µg/Kg-dry	1	9/12/2006
Chlorobenzene	< 6	6		µg/Kg-dry	1	9/12/2006
Ethylbenzene	< 6	6		µg/Kg-dry	1	9/12/2006
Styrene	< 6	6		µg/Kg-dry	1	9/12/2006
m,p-Xylene	< 6	6		µg/Kg-dry	1	9/12/2006
o-Xylene	< 6	6		µg/Kg-dry	1	9/12/2006
Methyl tert-butyl ether	< 6	6		µg/Kg-dry	1	9/12/2006
Dichlorodifluoromethane	< 6	6	S	µg/Kg-dry	1	9/12/2006
Methyl Acetate	< 6	6		µg/Kg-dry	1	9/12/2006
1,1,2-Trichloro-1,2,2-trifluoroethane	< 6	6		µg/Kg-dry	1	9/12/2006
Trichlorofluoromethane	< 6	6		µg/Kg-dry	1	9/12/2006
Cyclohexane	< 11	11		µg/Kg-dry	1	9/12/2006
Methyl Cyclohexane	< 6	6		µg/Kg-dry	1	9/12/2006
1,2-Dibromoethane	< 6	6		µg/Kg-dry	1	9/12/2006
1,3-Dichlorobenzene	< 6	6	S	µg/Kg-dry	1	9/12/2006
Isopropylbenzene	< 6	6		µg/Kg-dry	1	9/12/2006
1,4-Dichlorobenzene	< 6	6	S	µg/Kg-dry	1	9/12/2006
1,2-Dichlorobenzene	< 6	6	S	µg/Kg-dry	1	9/12/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range

**Adirondack Environmental Services, Inc**

Date: 21-Nov-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060911040  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** EX-F-31  
**Collection Date:** 9/9/2006  
**Lab Sample ID:** 060911040-001  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: ML
1,2-Dibromo-3-chloropropane	< 6	6		µg/Kg-dry	1	9/12/2006
1,2,4-Trichlorobenzene	< 6	6		µg/Kg-dry	1	9/12/2006
<b>PH SW9045B</b>						Analyst: LS
pH	7.8	1.0		pH Units	1	9/12/2006
<b>MOISURE CONTENT D2216</b>						Analyst: RC
Percent Moisture	10.3	1.0		wt%	1	9/12/2006

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S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
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E - Value above quantitation range

# Adirondack Environmental Services, Inc

Date: 21-Nov-06

CLIENT: Shaw Environmental & Infrastructure

Client Sample ID: DUP8906

Work Order: 060911040

Collection Date: 9/9/2006

Project: Schenectady Army Depot

Lab Sample ID: 060911040-002

PO#: 212830 OP

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## ICP METALS SW6010B

Analyst: SM

( Prep: SW3050A - 9/12/2006 )

Aluminum	11100	23.5		µg/g-dry	1	9/12/2006 9:10:00 AM
Antimony	8.5	14.1	JS	µg/g-dry	1	9/12/2006 9:10:00 AM
Arsenic	2.61	1.18		µg/g-dry	1	9/12/2006 9:10:00 AM
Barium	455	2.35	S	µg/g-dry	1	9/12/2006 9:10:00 AM
Beryllium	0.51	1.18	J	µg/g-dry	1	9/12/2006 9:10:00 AM
Cadmium	< 1.18	1.18		µg/g-dry	1	9/12/2006 9:10:00 AM
Calcium	22600	118		µg/g-dry	1	9/12/2006 9:10:00 AM
Chromium	20.2	1.18		µg/g-dry	1	9/12/2006 9:10:00 AM
Cobalt	59.8	11.8		µg/g-dry	1	9/12/2006 9:10:00 AM
Copper	25.9	1.18		µg/g-dry	1	9/12/2006 9:10:00 AM
Iron	19600	118		µg/g-dry	10	9/12/2006 9:23:00 AM
Lead	< 1.18	1.18		µg/g-dry	1	9/12/2006 9:10:00 AM
Magnesium	11700	118		µg/g-dry	1	9/12/2006 9:10:00 AM
Manganese	541	2.35		µg/g-dry	1	9/12/2006 9:10:00 AM
Nickel	< 11.8	11.8		µg/g-dry	1	9/12/2006 9:10:00 AM
Potassium	1760	118		µg/g-dry	1	9/12/2006 9:10:00 AM
Selenium	< 1.18	1.18		µg/g-dry	1	9/12/2006 9:10:00 AM
Silver	< 4.70	4.70	S	µg/g-dry	1	9/12/2006 9:10:00 AM
Sodium	220	118		µg/g-dry	1	9/12/2006 9:10:00 AM
Thallium	< 2.35	2.35		µg/g-dry	1	9/12/2006 9:10:00 AM
Vanadium	15.6	11.8		µg/g-dry	1	9/12/2006 9:10:00 AM
Zinc	165	2.35	S	µg/g-dry	1	9/12/2006 9:10:00 AM

## MERCURY SW7471A

Analyst: KH

( Prep: SW7471A - 9/12/2006 )

Mercury	< 0.118	0.118		µg/g-dry	1	9/12/2006
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## VOLATILE ORGANICS SW8260B

Analyst: ML

Chloromethane	< 12	12		µg/Kg-dry	1	9/12/2006
Bromomethane	< 12	12		µg/Kg-dry	1	9/12/2006
Vinyl chloride	< 12	12		µg/Kg-dry	1	9/12/2006
Chloroethane	< 12	12		µg/Kg-dry	1	9/12/2006
Methylene chloride	6	6		µg/Kg-dry	1	9/12/2006
Acetone	< 12	12		µg/Kg-dry	1	9/12/2006
Carbon disulfide	< 6	6		µg/Kg-dry	1	9/12/2006
1,1-Dichloroethene	< 6	6		µg/Kg-dry	1	9/12/2006
1,1-Dichloroethane	< 6	6		µg/Kg-dry	1	9/12/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range

# Adirondack Environmental Services, Inc

Date: 21-Nov-06

CLIENT: Shaw Environmental & Infrastructure

Client Sample ID: DUP8906

Work Order: 060911040

Collection Date: 9/9/2006

Project: Schenectady Army Depot

Lab Sample ID: 060911040-002

PO#: 212830 OP

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: ML
trans-1,2-Dichloroethene	< 6	6		µg/Kg-dry	1	9/12/2006
cis-1,2-Dichloroethene	< 6	6		µg/Kg-dry	1	9/12/2006
Chloroform	< 6	6		µg/Kg-dry	1	9/12/2006
1,2-Dichloroethane	< 6	6		µg/Kg-dry	1	9/12/2006
2-Butanone	< 12	12		µg/Kg-dry	1	9/12/2006
1,1,1-Trichloroethane	< 6	6		µg/Kg-dry	1	9/12/2006
Carbon tetrachloride	< 6	6		µg/Kg-dry	1	9/12/2006
Bromodichloromethane	< 6	6		µg/Kg-dry	1	9/12/2006
1,2-Dichloropropane	< 6	6		µg/Kg-dry	1	9/12/2006
cis-1,3-Dichloropropene	< 6	6		µg/Kg-dry	1	9/12/2006
Trichloroethene	< 6	6		µg/Kg-dry	1	9/12/2006
Dibromochloromethane	< 6	6		µg/Kg-dry	1	9/12/2006
1,1,2-Trichloroethane	< 6	6		µg/Kg-dry	1	9/12/2006
Benzene	< 6	6		µg/Kg-dry	1	9/12/2006
trans-1,3-Dichloropropene	< 6	6		µg/Kg-dry	1	9/12/2006
Bromoform	< 6	6		µg/Kg-dry	1	9/12/2006
4-Methyl-2-pentanone	< 12	12		µg/Kg-dry	1	9/12/2006
2-Hexanone	< 12	12		µg/Kg-dry	1	9/12/2006
Tetrachloroethene	< 6	6		µg/Kg-dry	1	9/12/2006
1,1,2,2-Tetrachloroethane	< 6	6		µg/Kg-dry	1	9/12/2006
Toluene	< 6	6		µg/Kg-dry	1	9/12/2006
Chlorobenzene	< 6	6		µg/Kg-dry	1	9/12/2006
Ethylbenzene	< 6	6		µg/Kg-dry	1	9/12/2006
Styrene	< 6	6		µg/Kg-dry	1	9/12/2006
m,p-Xylene	< 6	6		µg/Kg-dry	1	9/12/2006
o-Xylene	< 6	6		µg/Kg-dry	1	9/12/2006
Methyl tert-butyl ether	< 6	6		µg/Kg-dry	1	9/12/2006
Dichlorodifluoromethane	< 6	6	S	µg/Kg-dry	1	9/12/2006
Methyl Acetate	< 6	6		µg/Kg-dry	1	9/12/2006
1,1,2-Trichloro-1,2,2-trifluoroethane	< 6	6		µg/Kg-dry	1	9/12/2006
Trichlorofluoromethane	< 6	6		µg/Kg-dry	1	9/12/2006
Cyclohexane	< 12	12		µg/Kg-dry	1	9/12/2006
Methyl Cyclohexane	< 6	6		µg/Kg-dry	1	9/12/2006
1,2-Dibromoethane	< 6	6		µg/Kg-dry	1	9/12/2006
1,3-Dichlorobenzene	< 6	6	S	µg/Kg-dry	1	9/12/2006
Isopropylbenzene	< 6	6		µg/Kg-dry	1	9/12/2006
1,4-Dichlorobenzene	< 6	6	S	µg/Kg-dry	1	9/12/2006
1,2-Dichlorobenzene	< 6	6	S	µg/Kg-dry	1	9/12/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range

**Adirondack Environmental Services, Inc****Date:** 21-Nov-06**CLIENT:** Shaw Environmental & Infrastructure**Client Sample ID:** DUP8906**Work Order:** 060911040**Collection Date:** 9/9/2006**Project:** Schenectady Army Depot**Lab Sample ID:** 060911040-002**PO#:** 212830 OP**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: <b>ML</b>
1,2-Dibromo-3-chloropropane	< 6	6		µg/Kg-dry	1	9/12/2006
1,2,4-Trichlorobenzene	< 6	6		µg/Kg-dry	1	9/12/2006
<b>PH SW9045B</b>						Analyst: <b>LS</b>
pH	7.8	1.0		pH Units	1	9/12/2006
<b>MOISURE CONTENT D2216</b>						Analyst: <b>RC</b>
Percent Moisture	14.9	1.0		wt%	1	9/12/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentitively Identified Compound-Estimated Conc.  
E - Value above quantitation range



# Adirondack Environmental Services, Inc

Date: 21-Nov-06

CLIENT: Shaw Environmental & Infrastructure

Client Sample ID: EX-F-32

Work Order: 060911040

Collection Date: 9/9/2006

Project: Schenectady Army Depot

Lab Sample ID: 060911040-003

PO#: 212830 OP

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## ICP METALS SW6010B

Analyst: SM

( Prep: SW3050A - 9/12/2006 )

Aluminum	14900	24.8		µg/g-dry	1	9/12/2006 9:18:00 AM
Antimony	< 14.9	14.9	S	µg/g-dry	1	9/12/2006 9:18:00 AM
Arsenic	< 1.24	1.24		µg/g-dry	1	9/12/2006 9:18:00 AM
Barium	511	2.48	S	µg/g-dry	1	9/12/2006 9:18:00 AM
Beryllium	0.67	1.24	J	µg/g-dry	1	9/12/2006 9:18:00 AM
Cadmium	< 1.24	1.24		µg/g-dry	1	9/12/2006 9:18:00 AM
Calcium	4300	124		µg/g-dry	1	9/12/2006 9:18:00 AM
Chromium	20.9	1.24		µg/g-dry	1	9/12/2006 9:18:00 AM
Cobalt	58.8	12.4		µg/g-dry	1	9/12/2006 9:18:00 AM
Copper	19.3	1.24		µg/g-dry	1	9/12/2006 9:18:00 AM
Iron	18600	12.4		µg/g-dry	1	9/12/2006 9:18:00 AM
Lead	< 1.24	1.24		µg/g-dry	1	9/12/2006 9:18:00 AM
Magnesium	4720	124		µg/g-dry	1	9/12/2006 9:18:00 AM
Manganese	228	2.48		µg/g-dry	1	9/12/2006 9:18:00 AM
Nickel	< 12.4	12.4		µg/g-dry	1	9/12/2006 9:18:00 AM
Potassium	1380	124		µg/g-dry	1	9/12/2006 9:18:00 AM
Selenium	< 1.24	1.24		µg/g-dry	1	9/12/2006 9:18:00 AM
Silver	< 4.97	4.97	S	µg/g-dry	1	9/12/2006 9:18:00 AM
Sodium	196	124		µg/g-dry	1	9/12/2006 9:18:00 AM
Thallium	< 2.48	2.48		µg/g-dry	1	9/12/2006 9:18:00 AM
Vanadium	18.5	12.4		µg/g-dry	1	9/12/2006 9:18:00 AM
Zinc	159	2.48	S	µg/g-dry	1	9/12/2006 9:18:00 AM

## MERCURY SW7471A

Analyst: KH

( Prep: SW7471A - 9/12/2006 )

Mercury	< 0.124	0.124		µg/g-dry	1	9/12/2006
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## VOLATILE ORGANICS SW8260B

Analyst: ML

Chloromethane	< 12	12		µg/Kg-dry	1	9/12/2006
Bromomethane	< 12	12		µg/Kg-dry	1	9/12/2006
Vinyl chloride	< 12	12		µg/Kg-dry	1	9/12/2006
Chloroethane	< 12	12		µg/Kg-dry	1	9/12/2006
Methylene chloride	11	6		µg/Kg-dry	1	9/12/2006
Acetone	< 12	12		µg/Kg-dry	1	9/12/2006
Carbon disulfide	< 6	6		µg/Kg-dry	1	9/12/2006
1,1-Dichloroethene	< 6	6		µg/Kg-dry	1	9/12/2006
1,1-Dichloroethane	< 6	6		µg/Kg-dry	1	9/12/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range

# Adirondack Environmental Services, Inc

Date: 21-Nov-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060911040  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** EX-F-32  
**Collection Date:** 9/9/2006  
**Lab Sample ID:** 060911040-003  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: ML
trans-1,2-Dichloroethene	< 6	6		µg/Kg-dry	1	9/12/2006
cis-1,2-Dichloroethene	< 6	6		µg/Kg-dry	1	9/12/2006
Chloroform	< 6	6		µg/Kg-dry	1	9/12/2006
1,2-Dichloroethane	< 6	6		µg/Kg-dry	1	9/12/2006
2-Butanone	< 12	12		µg/Kg-dry	1	9/12/2006
1,1,1-Trichloroethane	< 6	6		µg/Kg-dry	1	9/12/2006
Carbon tetrachloride	< 6	6		µg/Kg-dry	1	9/12/2006
Bromodichloromethane	< 6	6		µg/Kg-dry	1	9/12/2006
1,2-Dichloropropane	< 6	6		µg/Kg-dry	1	9/12/2006
cis-1,3-Dichloropropene	< 6	6		µg/Kg-dry	1	9/12/2006
Trichloroethene	< 6	6		µg/Kg-dry	1	9/12/2006
Dibromochloromethane	< 6	6		µg/Kg-dry	1	9/12/2006
1,1,2-Trichloroethane	< 6	6		µg/Kg-dry	1	9/12/2006
Benzene	< 6	6		µg/Kg-dry	1	9/12/2006
trans-1,3-Dichloropropene	< 6	6		µg/Kg-dry	1	9/12/2006
Bromoform	< 6	6		µg/Kg-dry	1	9/12/2006
4-Methyl-2-pentanone	< 12	12		µg/Kg-dry	1	9/12/2006
2-Hexanone	< 12	12		µg/Kg-dry	1	9/12/2006
Tetrachloroethene	< 6	6		µg/Kg-dry	1	9/12/2006
1,1,2,2-Tetrachloroethane	< 6	6		µg/Kg-dry	1	9/12/2006
Toluene	< 6	6		µg/Kg-dry	1	9/12/2006
Chlorobenzene	< 6	6		µg/Kg-dry	1	9/12/2006
Ethylbenzene	< 6	6		µg/Kg-dry	1	9/12/2006
Styrene	< 6	6		µg/Kg-dry	1	9/12/2006
m,p-Xylene	< 6	6		µg/Kg-dry	1	9/12/2006
o-Xylene	< 6	6		µg/Kg-dry	1	9/12/2006
Methyl tert-butyl ether	< 6	6		µg/Kg-dry	1	9/12/2006
Dichlorodifluoromethane	< 6	6	S	µg/Kg-dry	1	9/12/2006
Methyl Acetate	< 6	6		µg/Kg-dry	1	9/12/2006
1,1,2-Trichloro-1,2,2-trifluoroethane	< 6	6		µg/Kg-dry	1	9/12/2006
Trichlorofluoromethane	< 6	6		µg/Kg-dry	1	9/12/2006
Cyclohexane	< 12	12		µg/Kg-dry	1	9/12/2006
Methyl Cyclohexane	< 6	6		µg/Kg-dry	1	9/12/2006
1,2-Dibromoethane	< 6	6		µg/Kg-dry	1	9/12/2006
1,3-Dichlorobenzene	< 6	6	S	µg/Kg-dry	1	9/12/2006
Isopropylbenzene	< 6	6		µg/Kg-dry	1	9/12/2006
1,4-Dichlorobenzene	< 6	6	S	µg/Kg-dry	1	9/12/2006
1,2-Dichlorobenzene	< 6	6	S	µg/Kg-dry	1	9/12/2006

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**Adirondack Environmental Services, Inc**

Date: 21-Nov-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060911040  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** EX-F-32  
**Collection Date:** 9/9/2006  
**Lab Sample ID:** 060911040-003  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>VOLATILE ORGANICS SW8260B</b>						Analyst: <b>ML</b>
1,2-Dibromo-3-chloropropane	< 6	6		µg/Kg-dry	1	9/12/2006
1,2,4-Trichlorobenzene	< 6	6		µg/Kg-dry	1	9/12/2006
<b>PH SW9045B</b>						Analyst: <b>LS</b>
pH	7.6	1.0		pH Units	1	9/12/2006
<b>MOISURE CONTENT D2216</b>						Analyst: <b>RC</b>
Percent Moisture	19.5	1.0		wt%	1	9/12/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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E - Value above quantitation range

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060911040  
**Project:** Schenectady Army Depot

**ANALYTICAL QC SUMMARY REPORT****BatchID: 12216**

<b>MBLK</b>	SeqNo: 414283	PrepDate:	TestNo: SW6010B	RunNo: 37094
	Samp ID: MBLK	PrepRef:(SW3050A)	Units: µg/g	Analysis Date: 9/12/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	3.994	20.0									J
Antimony	< 12.0	12.0									
Arsenic	< 1.00	1.00									J
Barium	0.098	2.00									J
Beryllium	0.056	1.00									
Cadmium	< 1.00	1.00									
Calcium	< 100	100									J
Chromium	0.24	1.00									J
Cobalt	0.002	10.0									J
Copper	0.07	1.00									J
Iron	0.638	10.0									
Lead	< 1.00	1.00									
Magnesium	< 100	100									J
Manganese	0.014	2.00									
Nickel	< 10.0	10.0									J
Potassium	0.23	100									
Selenium	< 1.00	1.00									J
Silver	0.05	4.00									
Sodium	< 100	100									J
Thallium	< 2.00	2.00									
Vanadium	0.122	10.0									J
Zinc	< 2.00	2.00									

<b>LCS</b>	SeqNo: 414284	PrepDate:	TestNo: SW6010B	RunNo: 37094
	Samp ID: LCS-S	PrepRef:(SW3050A)	Units: µg/g	Analysis Date: 9/12/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	5765	20.0	7590	3.994	75.9	57.8	142.3	0	0		
Antimony	41.8	12.0	77.5	0	53.9	1.3	223.2	0	0		
Arsenic	75.7	1.00	80.9	0	93.6	79.7	120.3	0	0		
Barium	151.3	2.00	156	0.098	97	82.1	117.9	0	0		

**Qualifiers:**

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R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060911040  
**Project:** Schenectady Army Depot

# ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12216

LCS	SeqNo: 414284		PrepDate:		TestNo: SW6010B		RunNo: 37094					
	Samp ID: LCS-S		PrepRef:(SW3050A)		Units: µg/g		Analysis Date: 9/12/2006					
	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	143.3	1.00	143		0.056	100	81.8	118.2	0	0		
Cadmium	225	1.00	233		0	96.6	80.7	118.9	0	0		
Calcium	4107	100	4320		0	95.1	79.2	120.8	0	0		
Chromium	56.7	1.00	60.8		0.24	92.9	78.5	121.4	0	0		
Cobalt	78.62	10.0	68.6		0.002	115	81.8	118.2	0	0		
Copper	125.3	1.00	131		0.07	95.6	82.4	117.6	0	0		
Iron	8089	10.0	14400		0.638	56.2	51.5	148.6	0	0		
Lead	67.69	1.00	76.8		0	88.1	80.6	119.5	0	0		
Magnesium	1892	100	2220		0	85.2	77	123	0	0		
Manganese	276.2	2.00	304		0.014	90.8	79.9	120.1	0	0		
Nickel	43.55	10.0	49.6		0	87.8	81.5	118.5	0	0		
Potassium	2078	100	2380		0.23	87.3	71.4	128.6	0	0		
Selenium	68.9	1.00	82.9		0	83.1	75.5	124.2	0	0		
Silver	65.72	4.00	80		0.05	82.1	61.3	138.8	0	0		
Sodium	420.1	100	456		0	92.1	55.7	144.3	0	0		
Thallium	170.9	2.00	158		0	108	75.3	124.7	0	0		
Vanadium	51.86	10.0	72.4		0.122	71.5	71.4	128.5	0	0		
Zinc	113.5	2.00	116		0	97.8	78	121.6	0	0		

SeqNo: 414287		PrepDate:9/12/2006		TestNo: SW6010B		RunNo: 37094					
Samp ID: 060911040-001A (EX-F-31)		PrepRef:(SW3050A)		Units: µg/g-dry		Analysis Date: 9/12/2006					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Aluminum	11020	22.3	445.9	9347	376	75	125	0	0		S
Antimony	156	13.4	111.5	6.943	134	75	125	0	0		S
Arsenic	10.37	1.11	8.919	2.185	91.8	75	125	0	0		
Barium	493.8	2.23	445.9	454.2	8.88	75	125	0	0		S
Beryllium	11.32	1.11	11.15	0.4281	97.7	75	125	0	0		
Cadmium	9.746	1.11	11.15	0	87.4	75	125	0	0		
Chromium	62.31	1.11	44.59	16.57	103	75	125	0	0		
Cobalt	159.6	11.1	111.5	54.77	94	75	125	0	0		
Copper	74.1	1.11	55.74	19.51	97.9	75	125	0	0		
Iron	17750	11.1	223	16450	584	75	125	0	0		S

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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R - RPD outside accepted recovery limits  
B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060911040  
**Project:** Schenectady Army Depot

# ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12216

MS	SeqNo: 414287		PrepDate:9/12/2006		TestNo: SW6010B		RunNo: 37094				
	Samp ID: 060911040-001A (EX-F-31)		PrepRef:(SW3050A)		Units: µg/g-dry		Analysis Date: 9/12/2006				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.511	1.11	4.459	0	101	75	125	0	0		
Manganese	590.3	2.23	111.5	486.6	93	75	125	0	0		
Nickel	98.53	11.1	111.5	0	88.4	75	125	0	0		
Selenium	2.19	1.11	2.23	0	98.2	75	125	0	0		
Silver	6.158	4.46	11.15	0	55.2	75	125	0	0		S
Thallium	9.9	2.23	11.15	0	88.8	75	125	0	0		
Vanadium	115.7	11.1	111.5	11.26	93.7	75	125	0	0		
Zinc	179.2	2.23	111.5	160.2	17	75	125	0	0		S

DUP	SeqNo: 414286		PrepDate:9/12/2006		TestNo: SW6010B		RunNo: 37094					
	Samp ID: 060911040-001A		PrepRef:		Units: µg/g-dry		Analysis Date: 9/12/2006					
	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	9516	22.3		0	0	0	0	0	9347	1.79	20	
Antimony	1.197	13.4		0	0	0	0	0	6.943	0	17.2	
Arsenic	2.339	1.11		0	0	0	0	0	2.185	6.80	15.3	
Barium	421.7	2.23		0	0	0	0	0	454.2	7.42	17.8	
Beryllium	0.4214	1.11		0	0	0	0	0	0.4281	0	11.5	
Cadmium	-0.1003	1.11		0	0	0	0	0	0	0	15.4	
Calcium	19630	111		0	0	0	0	0	19510	0.616	20	
Chromium	17.13	1.11		0	0	0	0	0	16.57	3.31	20	
Cobalt	51.68	11.1		0	0	0	0	0	54.77	5.79	18.9	
Copper	20.13	1.11		0	0	0	0	0	19.51	3.15	20	
Iron	16940	11.1		0	0	0	0	0	16450	2.94	16.4	
Lead	-10.23	1.11		0	0	0	0	0	0	0	20	
Magnesium	6801	111		0	0	0	0	0	6621	2.67	20	
Manganese	491.5	2.23		0	0	0	0	0	486.6	0.999	20	
Nickel	-6.511	11.1		0	0	0	0	0	0	0	16.5	
Potassium	1434	111		0	0	0	0	0	1381	3.74	20	
Selenium	-30.02	1.11		0	0	0	0	0	0	0	20	
Silver	-2.656	4.46		0	0	0	0	0	0	0	10.3	
Sodium	211.8	111		0	0	0	0	0	213.8	0.939	21.2	
Thallium	-1.674	2.23		0	0	0	0	0	0	0	23.1	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060911040  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12216

**DUP**

SeqNo: 414286

Samp ID: 060911040-001A

PrepDate: 9/12/2006

PrepRef:

TestNo: SW6010B

Units: µg/g-dry

RunNo: 37094

Analysis Date: 9/12/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vanadium	12.04	11.1	0	0	0	0	0	11.26	6.64	11.5	
Zinc	154.3	2.23	0	0	0	0	0	160.2	3.75	20.4	

**Qualifiers:**

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S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060911040  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12217

<b>MBLK</b>	SeqNo: 414272	PrepDate:9/12/2006	TestNo: SW7471A	RunNo: 37093
	Samp ID: MB-12217	PrepRef:(SW7471A)	Units: µg/g	Analysis Date: 9/12/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.0200	0.0200									

<b>LCS</b>	SeqNo: 414273	PrepDate:9/12/2006	TestNo: SW7471A	RunNo: 37093
	Samp ID: LCS-12217	PrepRef:(SW7471A)	Units: µg/g	Analysis Date: 9/12/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.8	1.00	3.6	0	77.8	68.1	131.9	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank



**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060911040  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** R37066

LCS	SeqNo: 413855		TestNo: SW9045B				RunNo: 37066				
	Samp ID: LCS-R37066		Units: pH Units				Analysis Date: 9/12/2006				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	9.13	1.00	9.2	0	99.2	97.9	102	0	0	0	

LCS	SeqNo: 413878		TestNo: E150.1				RunNo: 37066				
	Samp ID: LCS-R37066		Units: pH Units				Analysis Date: 9/12/2006				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	9.13	1.00	9.2	0	99.2	95.6	102	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060911040  
**Project:** Schenectady Army Depot

# ANALYTICAL QC SUMMARY REPORT

**BatchID:** R37072

<b>MBLK</b>	SeqNo: 414488	TestNo: SW8260B	RunNo: 37072
	Samp ID: VBLK	Units: µg/Kg	Analysis Date: 9/12/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	< 5.0	5.0									
Ethylbenzene	< 5.0	5.0									
Isopropylbenzene	< 5.0	5.0									
m,p-Xylene	< 5.0	5.0									
Methyl tert-butyl ether	< 5.0	5.0									
o-Xylene	< 5.0	5.0									
Toluene	< 5.0	5.0									
Surr: 1,2-Dichloroethane-d4	55.07	5.0	50	0	110	81.3	130	0	0	0	
Surr: 4-Bromofluorobenzene	63.95	5.0	50	0	128	81.8	119	0	0	0	S
Surr: Toluene-d8	62.91	5.0	50	0	126	72.6	116	0	0	0	S

<b>LCS</b>	SeqNo: 414493	TestNo: SW8260B	RunNo: 37072
	Samp ID: LCS050	Units: µg/Kg	Analysis Date: 9/12/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	56	5.0	50	0	112	61.8	140	0	0	0	
1,1,2,2-Tetrachloroethane	51.5	5.0	50	0	103	49.9	147	0	0	0	
1,1,2-Trichloroethane	51.74	5.0	50	0	103	57.2	150	0	0	0	
1,1-Dichloroethane	54.35	5.0	50	0	109	66.9	133	0	0	0	
1,1-Dichloroethene	44.35	5.0	50	0	88.7	43.3	147	0	0	0	
1,2,4-Trichlorobenzene	56.68	0	50	0	113	43	115	0	0	0	
1,2-Dibromo-3-chloropropane	58.52	10	50	0	117	75.5	136	0	0	0	
1,2-Dichlorobenzene	48.49	5.0	50	0	97	75.6	110.4	0	0	0	
1,2-Dichloroethane	55.3	5.0	50	0	111	63.6	137	0	0	0	
1,2-Dichloropropane	51.98	5.0	50	0	104	66.4	141	0	0	0	
1,3-Dichlorobenzene	48.4	5.0	50	0	96.8	80	114	0	0	0	
1,4-Dichlorobenzene	47.67	5.0	50	0	95.3	83	123	0	0	0	
2-Butanone	40.81	10	50	0	81.6	49.7	149	0	0	0	
2-Hexanone	51.06	10	50	0	102	71.3	156	0	0	0	
4-Methyl-2-pentanone	53.48	10	50	0	107	31.4	184	0	0	0	
Acetone	46.83	10	50	0	93.7	60	130	0	0	0	
Benzene	50.01	5.0	50	0	100	68.7	140	0	0	0	
Bromodichloromethane	56.44	5.0	50	0	113	62.5	141	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060911040  
**Project:** Schenectady Army Depot

# ANALYTICAL QC SUMMARY REPORT

**BatchID:** R37072

LCS	SeqNo: 414493		TestNo: SW8260B		RunNo: 37072						
	Samp ID: LCS050		Units: µg/Kg		Analysis Date: 9/12/2006						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	58.06	5.0	50	0	116	52.5	149	0	0		
Bromomethane	34.37	10	50	0	68.7	35.7	177	0	0		
Carbon disulfide	48.26	5.0	50	0	96.5	54.2	158	0	0		
Carbon tetrachloride	55.77	5.0	50	0	112	65.4	135	0	0		
Chlorobenzene	49.82	5.0	50	0	99.6	64.5	141	0	0		
Chloroethane	39.11	10	50	0	78.2	52.5	151	0	0		
Chloroform	57.9	5.0	50	0	116	71.4	134	0	0		
Chloromethane	26.98	10	50	0	54	22.7	178	0	0		
cis-1,2-Dichloroethene	46.84	5.0	50	0	93.7	51	133	0	0		
cis-1,3-Dichloropropene	47.12	5.0	50	0	94.2	59.7	132	0	0		
Dibromochloromethane	57.13	5.0	50	0	114	60.4	143	0	0		
Dichlorodifluoromethane	15.17	10	50	0	30.3	70	130	0	0		S
Ethylbenzene	50.62	5.0	50	0	101	65	131	0	0		
Isopropylbenzene	60.32	5.0	50	0	121	70	130	0	0		
m,p-Xylene	107.7	5.0	100	0	108	43.6	168	0	0		
Methyl tert-butyl ether	56.59	5.0	50	0	113	60.3	138	0	0		
Methylene chloride	40.92	5.0	50	0	81.8	32.9	173	0	0		
o-Xylene	53.63	5.0	50	0	107	54.2	137	0	0		
Styrene	53.84	5.0	50	0	108	68.3	127	0	0		
Tetrachloroethene	52.43	5.0	50	0	105	51.5	147	0	0		
Toluene	50.84	5.0	50	0	102	60.2	143	0	0		
trans-1,2-Dichloroethene	49.95	5.0	50	0	99.9	63.8	128	0	0		
trans-1,3-Dichloropropene	47.5	5.0	50	0	95	58.3	131	0	0		
Trichloroethene	51.95	5.0	50	0	104	62.2	142	0	0		
Trichlorofluoromethane	41.77	5.0	50	0	83.5	53.7	152	0	0		
Vinyl chloride	30.59	10	50	0	61.2	21.7	181	0	0		
Surr: 1,2-Dichloroethane-d4	57.44	5.0	50	0	115	64.8	130	0	0		
Surr: 4-Bromofluorobenzene	61.48	5.0	50	0	123	76.8	122	0	0		S
Surr: Toluene-d8	53.9	5.0	50	0	108	78.5	120	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060911040  
**Project:** Schenectady Army Depot

# ANALYTICAL QC SUMMARY REPORT

**BatchID: R37072**

MS		SeqNo: 414491		TestNo: SW8260B		RunNo: 37072					
		Samp ID: 060905007-001A		Units: µg/Kg		Analysis Date: 9/12/2006					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	4351	500	5000	0	87	61.8	140	0	0		
1,1,2,2-Tetrachloroethane	3801	500	5000	0	76	49.9	147	0	0		
1,1,2-Trichloroethane	4006	500	5000	0	80.1	57.2	150	0	0		
1,1-Dichloroethane	5097	500	5000	0	102	66.9	133	0	0		
1,1-Dichloroethene	4035	500	5000	0	80.7	43.3	147	0	0		
1,2,4-Trichlorobenzene	4971	0	5000	0	99.4	43	115	0	0		
1,2-Dibromo-3-chloropropane	5119	1000	5000	0	102	75.5	136	0	0		
1,2-Dichlorobenzene	3989	500	5000	0	79.8	75.6	110.4	0	0		
1,2-Dichloroethane	5179	500	5000	0	104	63.6	137	0	0		
1,2-Dichloropropane	4095	500	5000	0	81.9	66.4	141	0	0		
1,3-Dichlorobenzene	3811	500	5000	0	76.2	80	114	0	0		S
1,4-Dichlorobenzene	3712	500	5000	0	74.2	83	123	0	0		S
2-Butanone	3937	1000	5000	0	78.7	49.7	149	0	0		
2-Hexanone	4630	1000	5000	0	92.6	71.3	156	0	0		
4-Methyl-2-pentanone	3245	1000	5000	0	64.9	31.4	184	0	0		
Acetone	4675	1000	5000	0	93.5	60	130	0	0		
Benzene	3755	500	5000	0	75.1	68.7	140	0	0		
Bromodichloromethane	4610	500	5000	0	92.2	62.5	141	0	0		
Bromoform	4417	500	5000	0	88.3	52.5	149	0	0		
Bromomethane	2458	1000	5000	0	49.2	35.7	177	0	0		
Carbon disulfide	4185	500	5000	0	83.7	54.2	158	0	0		
Carbon tetrachloride	4589	500	5000	0	91.8	65.4	135	0	0		
Chlorobenzene	3670	500	5000	0	73.4	64.5	141	0	0		
Chloroethane	3120	1000	5000	0	62.4	52.5	151	0	0		
Chloroform	5421	500	5000	0	108	71.4	134	0	0		
Chloromethane	2089	1000	5000	0	41.8	22.7	178	0	0		
cis-1,2-Dichloroethene	4418	500	5000	0	88.4	51	133	0	0		
cis-1,3-Dichloropropene	3610	500	5000	0	72.2	59.7	132	0	0		
Dibromochloromethane	4660	500	5000	0	93.2	60.4	143	0	0		
Dichlorodifluoromethane	1215	1000	5000	0	24.3	70	130	0	0		S
Ethylbenzene	4925	500	5000	1331	71.9	65	131	0	0		
Isopropylbenzene	4854	500	5000	441	88.3	70	130	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060911040  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** R37072

MS	SeqNo: 414491		TestNo: SW8260B		RunNo: 37072						
	Samp ID: 060905007-001A		Units: µg/Kg		Analysis Date: 9/12/2006						
	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
m,p-Xylene	8952	500	10000	655.4	83	43.6	168	0	0		
Methyl tert-butyl ether	5485	500	5000	0	110	60.3	138	0	0		
Methylene chloride	3686	500	5000	0	73.7	32.9	173	0	0		
o-Xylene	4052	500	5000	0	81	54.2	137	0	0		
Styrene	3887	500	5000	0	77.7	68.3	127	0	0		
Tetrachloroethene	3862	500	5000	0	77.2	51.5	147	0	0		
Toluene	3350	500	5000	0	67	60.2	143	0	0		
trans-1,2-Dichloroethene	4665	500	5000	0	93.3	63.8	128	0	0		
trans-1,3-Dichloropropene	3547	500	5000	0	70.9	58.3	131	0	0		
Trichloroethene	4049	500	5000	0	81	62.2	142	0	0		
Trichlorofluoromethane	3476	500	5000	0	69.5	53.7	152	0	0		
Vinyl chloride	1345	1000	5000	0	26.9	21.7	181	0	0		
Surr: 1,2-Dichloroethane-d4	5774	500	5000	0	115	64.8	130	0	0		
Surr: 4-Bromofluorobenzene	4896	500	5000	0	97.9	76.8	122	0	0		
Surr: Toluene-d8	3624	500	5000	0	72.5	78.5	120	0	0		S

MSD		SeqNo: 414492		TestNo: SW8260B		RunNo: 37072					
		Samp ID: 060905007-001A		Units: µg/Kg		Analysis Date: 9/12/2006					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	5130	500	5000	0	103	61.8	140	4351	16.4	30	
1,1,2,2-Tetrachloroethane	3696	500	5000	0	73.9	49.9	147	3801	2.82	30	
1,1,2-Trichloroethane	4677	500	5000	0	93.5	57.2	150	4006	15.5	30	
1,1-Dichloroethane	4914	500	5000	0	98.3	66.9	133	5097	3.66	30	
1,1-Dichloroethene	4031	500	5000	0	80.6	43.3	147	4035	0.0927	30	
1,2,4-Trichlorobenzene	4443	0	5000	0	88.9	43	115	4971	11.2	30	
1,2-Dibromo-3-chloropropane	5011	1000	5000	0	100	75.5	136	5119	2.15	30	
1,2-Dichlorobenzene	3769	500	5000	0	75.4	75.6	110.4	3989	5.67	30	S
1,2-Dichloroethane	5012	500	5000	0	100	63.6	137	5179	3.27	30	
1,2-Dichloropropane	4773	500	5000	0	95.5	66.4	141	4095	15.3	30	
1,3-Dichlorobenzene	3692	500	5000	0	73.8	80	114	3811	3.16	30	S
1,4-Dichlorobenzene	3572	500	5000	0	71.4	83	123	3712	3.84	30	S
2-Butanone	3633	1000	5000	0	72.7	49.7	149	3937	8.03	30	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060911040  
**Project:** Schenectady Army Depot

# ANALYTICAL QC SUMMARY REPORT

**BatchID:** R37072

MSD		SeqNo: 414492		TestNo: SW8260B		RunNo: 37072					
Samp ID: 060905007-001A				Units: µg/Kg		Analysis Date: 9/12/2006					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Hexanone	6004	1000	5000	0	120	71.3	156	4630	25.8	30	
4-Methyl-2-pentanone	3362	1000	5000	0	67.2	31.4	184	3245	3.57	30	
Acetone	4227	1000	5000	0	84.5	60	130	4675	10.1	30	
Benzene	4750	500	5000	0	95	68.7	140	3755	23.4	30	
Bromodichloromethane	5260	500	5000	0	105	62.5	141	4610	13.2	30	
Bromoform	4339	500	5000	0	86.8	52.5	149	4417	1.77	30	
Bromomethane	2414	1000	5000	0	48.3	35.7	177	2458	1.78	30	
Carbon disulfide	4403	500	5000	0	88.1	54.2	158	4185	5.09	30	
Carbon tetrachloride	5461	500	5000	0	109	65.4	135	4589	17.4	30	
Chlorobenzene	3719	500	5000	0	74.4	64.5	141	3670	1.33	30	
Chloroethane	3152	1000	5000	0	63	52.5	151	3120	1.03	30	
Chloroform	5431	500	5000	0	109	71.4	134	5421	0.179	30	
Chloromethane	1901	1000	5000	0	38	22.7	178	2089	9.44	30	
cis-1,2-Dichloroethene	4468	500	5000	0	89.4	51	133	4418	1.13	30	
cis-1,3-Dichloropropene	4119	500	5000	0	82.4	59.7	132	3610	13.2	30	
Dibromochloromethane	4679	500	5000	0	93.6	60.4	143	4660	0.399	30	
Ethylbenzene	5162	500	5000	1331	76.6	65	131	4925	4.70	30	
Isopropylbenzene	4846	500	5000	441	88.1	70	130	4854	0.169	30	
m,p-Xylene	9130	500	10000	655.4	84.7	43.6	168	8952	1.97	30	
Methyl tert-butyl ether	5619	500	5000	0	112	60.3	138	5485	2.41	30	
Methylene chloride	3614	500	5000	0	72.3	32.9	173	3686	1.97	30	
o-Xylene	4022	500	5000	0	80.4	54.2	137	4052	0.740	30	
Styrene	3913	500	5000	0	78.3	68.3	127	3887	0.673	30	
Tetrachloroethene	3835	500	5000	0	76.7	51.5	147	3862	0.692	30	
Toluene	4002	500	5000	0	80	60.2	143	3350	17.7	30	
trans-1,2-Dichloroethene	4766	500	5000	0	95.3	63.8	128	4665	2.14	30	
trans-1,3-Dichloropropene	4053	500	5000	0	81.1	58.3	131	3547	13.3	30	
Trichloroethene	5060	500	5000	0	101	62.2	142	4049	22.2	30	
Trichlorofluoromethane	3372	500	5000	0	67.4	53.7	152	3476	3.04	30	
Vinyl chloride	1207	1000	5000	0	24.1	21.7	181	1345	10.8	30	
Surr: 1,2-Dichloroethane-d4	5631	500	5000	0	113	64.8	130	0	0	0	
Surr: 4-Bromofluorobenzene	4827	500	5000	0	96.5	76.8	122	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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R - RPD outside accepted recovery limits  
B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060911040  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** R37072

<b>MSD</b>	SeqNo: 414492	TestNo: SW8260B	RunNo: 37072
	Samp ID: 060905007-001A	Units: µg/Kg	Analysis Date: 9/12/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	4456	500	5000	0	89.1	78.5	120	0	0	0	0

<b>MBLK</b>	SeqNo: 414002	TestNo: SW8260B	RunNo: 37072
	Samp ID: MB-R37072	Units: µg/Kg	Analysis Date: 9/12/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloromethane	< 10	10									
Bromomethane	< 10	10									
Vinyl chloride	< 10	10									
Chloroethane	< 10	10									
Methylene chloride	< 5.0	5.0									
Acetone	< 10	10									
Carbon disulfide	< 5.0	5.0									
1,1-Dichloroethene	< 5.0	5.0									
1,1-Dichloroethane	< 5.0	5.0									
trans-1,2-Dichloroethene	< 5.0	5.0									
cis-1,2-Dichloroethene	< 5.0	5.0									
Chloroform	< 5.0	5.0									
1,2-Dichloroethane	< 5.0	5.0									
2-Butanone	< 10	10									
1,1,1-Trichloroethane	< 5.0	5.0									
Carbon tetrachloride	< 5.0	5.0									
Bromodichloromethane	< 5.0	5.0									
1,2-Dichloropropane	< 5.0	5.0									
cis-1,3-Dichloropropene	< 5.0	5.0									
Trichloroethene	< 5.0	5.0									
Dibromochloromethane	< 5.0	5.0									
1,1,2-Trichloroethane	< 5.0	5.0									
Benzene	< 5.0	5.0									
trans-1,3-Dichloropropene	< 5.0	5.0									
Bromoform	< 5.0	5.0									
4-Methyl-2-pentanone	< 10	10									
2-Hexanone	< 10	10									

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060911040  
**Project:** Schenectady Army Depot

# ANALYTICAL QC SUMMARY REPORT

**BatchID: R37072**

<b>MBLK</b>	SeqNo: 414002	TestNo: SW8260B	RunNo: 37072
	Samp ID: MB-R37072	Units: µg/Kg	Analysis Date: 9/12/2006

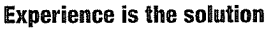
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	< 5.0	5.0									
1,1,2,2-Tetrachloroethane	< 5.0	5.0									
Toluene	< 5.0	5.0									
Chlorobenzene	< 5.0	5.0									
Ethylbenzene	< 5.0	5.0									
Styrene	< 5.0	5.0									
m,p-Xylene	< 5.0	5.0									
o-Xylene	< 5.0	5.0									
Methyl tert-butyl ether	< 5.0	5.0									
Dichlorodifluoromethane	< 5.0	5.0									
Methyl Acetate	< 5.0	5.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	< 5.0	5.0									
Trichlorofluoromethane	< 5.0	5.0									
Cyclohexane	< 10	10									
Methyl Cyclohexane	< 5.0	5.0									
1,2-Dibromoethane	< 5.0	5.0									
1,3-Dichlorobenzene	< 5.0	5.0									
Isopropylbenzene	< 5.0	5.0									
1,2-Dichlorobenzene	< 5.0	5.0									
1,4-Dichlorobenzene	< 5.0	5.0									
1,2-Dibromo-3-chloropropane	< 5.0	5.0									
1,2,4-Trichlorobenzene	< 5.0	5.0									
Surr: 1,2-Dichloroethane-d4	42.97	5.0	50	0	85.9	64.8	130	0	0	0	
Surr: 4-Bromofluorobenzene	48.37	5.0	50	0	96.7	76.8	122	0	0	0	
Surr: Toluene-d8	57.35	5.0	50	0	115	78.5	120	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

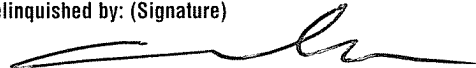
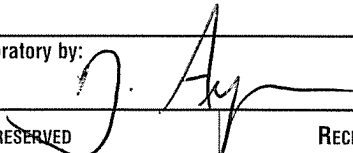
B - Analyte detected in the associated Method Blank





## CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

AES Work Order #: <b>060911040</b>		CC Report To / Special Instructions/Remarks:	
Turnaround Time Request: <input checked="" type="checkbox"/> 1 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> Normal <input type="checkbox"/> 2 Day <input type="checkbox"/> 5 Day			
Relinquished by: (Signature) 		Received by: (Signature) _____ Date/Time _____	
Relinquished by: (Signature) _____		Received by: (Signature) _____ Date/Time _____	
Relinquished by: (Signature) _____		Received for Laboratory by:  9/11/06 433 Date/Time	
TEMPERATURE Ambient or <b>Chilled</b> <b>4°</b>		PROPERLY PRESERVED <input checked="" type="radio"/> Y <input type="radio"/> N	
Notes: _____		RECEIVED WITHIN HOLDING TIMES <input checked="" type="radio"/> Y <input type="radio"/> N Notes: _____	

PINK - Generator Copy

# Adirondack Environmental Services, Inc.



**Experience is the solution**

314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

## TERMS, CONDITIONS & LIMITATIONS

All Services rendered by **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

- (a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.
- (b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed as irrevocably waived.
- (c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.
- (d) In no event shall **Adirondack Environmental Services, Inc.**, its employees agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.
- (e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**
- (f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.



## Shaw Environmental & Infrastructure, Inc.

### Data Usability Report

16406 U.S. Route 224 East • Findlay, Ohio 45840

Findlay Ohio Office – Federal Technical Services

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<b>PROJECT NUMBER:</b>	115215	<b>SAMPLE RECEIPT</b>	09/12/2006
<b>PROJECT MANAGER:</b>	Tom Mathison	<b>DATE:</b>	
<b>PROJECT NAME:</b>	USACE-Schenectady	<b>LABORATORY SDG:</b>	AEL-060912037

---

The Findlay Ohio Applied Sciences Group has performed a QA evaluation of the data report from Adirondack Environmental Laboratories, Inc. (AEL) in Albany, NY. The results are for samples collected at the Former Schenectady Army Depot (AOC 2), Voorheesville Area, New York by on-site Shaw E & I personnel. The samples were analyzed for the parameters listed in the Sample Summary Table.

Sample Summary Table			
Sample Number	Collection Date	Matrix	Analysis Requested
EX-AOI6-001	09/12/2006	Soil	Target Metals SW-6010B/ 7471A SVOCs-SW8270C VOCs-SW8260B Pesticides-SW8081A Herbicides- SW8151A PCBs-SW8082

All samples were received at the laboratory intact and sample analyses were performed within the required holding times. The cooler was submitted with chain-of-custody forms and was received having a temperature of 4°C upon opening. The laboratory provided faxed preliminary data within the specified turn around time and submitted a hard copy Level II report at a later date. The following describes the overall QA/QC indicators.

## **VOC Analysis in Soil by 8260B**

The GC/MS system was tuned and calibrated in accordance with method requirements. The integrity of the primary standards was validated through analysis of a second source standard. Calibration check samples verified instrument calibration and all analyses were performed within valid 12-hour tune clocks. The ISTD areas were within the required values for all analytical runs.

**Method Blanks:** The method blank results are below reporting limits for the target analytes in all analysis sets

**LCS:** The LCS recoveries are within laboratory acceptance criteria for all spiked target analytes. Recovery was below 50% for dichlorodifluoromethane (30.3%R). However, since this compound has no established TAGM 4046 action-level no qualification is required.

**MS/MSD:** The QC Matrix recovery and precision performance, using a sample from another client site, is within laboratory acceptance limits for all compounds.

**Surrogates:** All surrogate recoveries are within acceptable criteria.

Reported results should be utilized with confidence.

## **SVOC Analysis in Soil by 8270C**

The laboratory report package does not provide instrument tuning or calibration information. However, based upon the Case Narrative the reviewer has assumed that the GC/MS system was tuned and calibrated in accordance with method requirements, all analyses were performed within valid 12-hour tune clocks, and the ISTD areas were within the required values for all analytical runs.

**Method Blanks:** The method blank results are below reporting limits for the target analytes

**LCS:** The LCS recoveries are within acceptance criteria for all spiked analytes.

**MS/MSD:** The QC Matrix recovery and precision performance, using the submitted sample is within acceptance limits for all spiked compounds.

**Surrogates:** All surrogate recoveries are within acceptable criteria for the sample and associated QC runs.

Reported results should be utilized with confidence.

### **Pesticide Analysis in Soil by SW-8081A**

The laboratory report package does not provide instrument set-up or calibration information. However, based upon the Case Narrative the reviewer has assumed that the GC system was calibrated for the target analytes and surrogate compounds in accordance with method requirements for both the front and rear columns

**Method Blanks:** The method blank results are below reporting limits for the target analytes.

**LCS:** The LCS recoveries are within acceptance criteria for the spiked target analytes. The laboratory spiked with a mix containing a short list of analytes and did not provide data for all target compounds

**QC Matrix:** The MS/MSD recoveries, using the submitted , were within control limits for both precision and accuracy for all of the spiked analytes.

**Surrogates:** All surrogate recoveries are within acceptable criteria.

Reported results should be acted upon without reservation.

### **PCB Analysis in Soil by SW-8082**

The laboratory report package does not provide instrument set-up or calibration information. However, based upon the Case Narrative the reviewer has assumed that the GC system was calibrated for the target analytes and surrogate compounds in accordance with method requirements.

**Method Blanks:** The method blank results are below reporting limits for the target analytes.

**LCS:** The laboratory performs PCB and pesticide analysis in the same QC batch and does not independently spike PCB compounds. Data acceptance is therefore based upon the acceptable 8081A LCS recoveries.

**QC Matrix:** The MS/MSD recoveries, using the submitted sample, were within control limits for both precision and accuracy for all of the spiked analytes; which do not include a PCB arochlor mixture.

**Surrogates:** All surrogate recoveries are within acceptable criteria.

Reported results should be acted upon without reservation.

### Herbicide Analysis in Soil by SW-8151A

The laboratory report package does not provide instrument set-up or calibration information. However, based upon the Case Narrative the reviewer has assumed that the GC system was calibrated for the target analytes and surrogate compounds in accordance with method requirements for both the front and rear columns

**Method Blanks:** The method blank results are below reporting limits for the target analytes.

**LCS:** The LCS recoveries are within acceptance criteria for the spiked target analytes.

**QC Matrix:** The MS/MSD recoveries, using the submitted sample, were within control limits for both precision and accuracy for all of the spiked analytes.

**Surrogates:** All surrogate recoveries are within acceptable criteria.

Reported results should be acted upon without reservation.

### Metals Analysis in Soil by SW6010B and SW7471A

The laboratory data package does not provide instrument calibration data. However, based upon the Case Narrative the reviewer has assumed that the ICP and CVAA systems were calibrated for the target analytes in accordance with method requirements.

**Method Blanks:** The method blank results are below reporting limits for all reported analytes.

**LCS:** The LCS recoveries are within laboratory acceptance criteria for the target analytes. It should be noted that recovery of Iron (51.7%) and Vanadium (74.2%) is below the method specified 80-120% range. Both of these analytes have TAGM 4046 limits significantly above the reporting limit and therefore no affect of data usability or qualification is warranted.

**MS/MSD:** The MS recoveries and duplicate precision, using the submitted sample, are within acceptance limits for all analytes with native concentrations less than 4X the spike level. Three analytes (aluminum, iron, and manganese) were present at large concentrations in the unspiked sample rendering the QC Matrix data invalid.

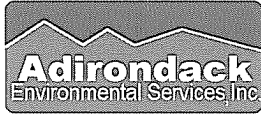
Reported results should be utilized with confidence

### Summary of Analysis

The overall Quality Control data provided in the laboratory report is representative of adequate method accuracy and precision with regard to project objectives. The reported data should be utilized, without reservation, in the intended project decision-making process.

  
Guy Gallelo, Jr.-Project Chemist

  
Date



**Experience is the solution**

314 North Pearl Street ♦ Albany, New York 12207  
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

September 14, 2006

Guy Gallelo  
Shaw Environmental & Infrastructure  
16406 US Route 224 East  
Findlay, OH 45840

Work Order No: 060912037

PO#: 212830 OP

TEL: (419) 425-6080

FAX: (419) 425-6085

RE: Schenectady Army Depot  
Soil Analysis

Dear Guy Gallelo:

Adirondack Environmental Services, Inc received 1 sample on 9/12/2006 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Tara Daniels  
Laboratory Manager

ELAP#: 10709

AIHA#: 100307

G. Gallelo - FAX

---

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	T - Tentatively Identified Compound-Estimated Conc.
	X - Value exceeds Maximum Contaminant Level	E - Value above quantitation range

# Adirondack Environmental Services, Inc

Date: 14-Sep-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** EX-AOI6-001  
**Collection Date:** 9/12/2006  
**Lab Sample ID:** 060912037-001  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## ORGANOCHLORINE PESTICIDES SW8081A ( Prep: SW3545 - 9/12/2006 )

Analyst: MG

4,4'-DDD	< 3.7	3.7		µg/Kg-dry	1	9/13/2006 8:13:05 AM
4,4'-DDE	< 3.7	3.7	R	µg/Kg-dry	1	9/13/2006 8:13:05 AM
4,4'-DDT	< 3.7	3.7		µg/Kg-dry	1	9/13/2006 8:13:05 AM
Aldrin	< 1.9	1.9		µg/Kg-dry	1	9/13/2006 8:13:05 AM
alpha-BHC	< 1.9	1.9		µg/Kg-dry	1	9/13/2006 8:13:05 AM
alpha-Chlordane	< 1.9	1.9		µg/Kg-dry	1	9/13/2006 8:13:05 AM
beta-BHC	< 1.9	1.9		µg/Kg-dry	1	9/13/2006 8:13:05 AM
Chlordane	< 190	190		µg/Kg-dry	1	9/13/2006 8:13:05 AM
delta-BHC	< 1.9	1.9		µg/Kg-dry	1	9/13/2006 8:13:05 AM
Dieldrin	< 3.7	3.7		µg/Kg-dry	1	9/13/2006 8:13:05 AM
Endosulfan I	< 1.9	1.9		µg/Kg-dry	1	9/13/2006 8:13:05 AM
Endosulfan II	< 3.7	3.7		µg/Kg-dry	1	9/13/2006 8:13:05 AM
Endosulfan sulfate	< 3.7	3.7		µg/Kg-dry	1	9/13/2006 8:13:05 AM
Endrin	< 3.7	3.7		µg/Kg-dry	1	9/13/2006 8:13:05 AM
Endrin aldehyde	< 3.7	3.7		µg/Kg-dry	1	9/13/2006 8:13:05 AM
Endrin ketone	< 3.7	3.7		µg/Kg-dry	1	9/13/2006 8:13:05 AM
gamma-BHC	< 1.9	1.9		µg/Kg-dry	1	9/13/2006 8:13:05 AM
gamma-Chlordane	< 1.9	1.9		µg/Kg-dry	1	9/13/2006 8:13:05 AM
Heptachlor	< 1.9	1.9		µg/Kg-dry	1	9/13/2006 8:13:05 AM
Heptachlor epoxide	< 1.9	1.9		µg/Kg-dry	1	9/13/2006 8:13:05 AM
Methoxychlor	< 19	19		µg/Kg-dry	1	9/13/2006 8:13:05 AM
Toxaphene	< 190	190		µg/Kg-dry	1	9/13/2006 8:13:05 AM

## POLYCHLORINATED BIPHENYLS SW8082 ( Prep: SW3545 - 9/12/2006 )

Analyst: MG

Aroclor 1016	< 37	37		µg/Kg-dry	1	9/13/2006
Aroclor 1221	< 37	37		µg/Kg-dry	1	9/13/2006
Aroclor 1232	< 37	37		µg/Kg-dry	1	9/13/2006
Aroclor 1242	< 37	37		µg/Kg-dry	1	9/13/2006
Aroclor 1248	< 37	37		µg/Kg-dry	1	9/13/2006
Aroclor 1254	< 37	37		µg/Kg-dry	1	9/13/2006
Aroclor 1260	< 37	37		µg/Kg-dry	1	9/13/2006

## CHLORINATED HERBICIDES SW8151A ( Prep: SW8151 - 9/13/2006 )

Analyst: MG

2,4-D	< 225	225		µg/Kg-dry	1	9/14/2006 8:00:55 AM
2,4,5-T	< 225	225		µg/Kg-dry	1	9/14/2006 8:00:55 AM
2,4,5-TP (Silvex)	4	225	J	µg/Kg-dry	1	9/14/2006 8:00:55 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 T - Tentatively Identified Compound-Estimated Conc.  
 E - Value above quantitation range



**Adirondack Environmental Services, Inc**

Date: 14-Sep-06

**CLIENT:** Shaw Environmental & Infrastructure**Client Sample ID:** EX-AOI6-001**Work Order:** 060912037**Collection Date:** 9/12/2006**Project:** Schenectady Army Depot**Lab Sample ID:** 060912037-001**PO#:** 212830 OP**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS SW6010B</b>						Analyst: SM
( Prep: SW3050A - 9/13/2006 )						
Aluminum	16200	22.5		µg/g-dry	1	9/13/2006 1:16:00 PM
Antimony	15.6	13.5		µg/g-dry	1	9/13/2006 1:16:00 PM
Arsenic	1.57	1.12	S	µg/g-dry	1	9/13/2006 1:16:00 PM
Barium	60.9	2.25		µg/g-dry	1	9/13/2006 1:16:00 PM
Beryllium	0.55	1.12	J	µg/g-dry	1	9/13/2006 1:16:00 PM
Cadmium	< 1.12	1.12		µg/g-dry	1	9/13/2006 1:16:00 PM
Calcium	22400	112		µg/g-dry	1	9/13/2006 1:16:00 PM
Chromium	26.4	1.12		µg/g-dry	1	9/13/2006 1:16:00 PM
Cobalt	21.2	11.2		µg/g-dry	1	9/13/2006 1:16:00 PM
Copper	36.7	1.12		µg/g-dry	1	9/13/2006 1:16:00 PM
Iron	15800	112		µg/g-dry	10	9/13/2006 2:22:00 PM
Lead	< 1.12	1.12		µg/g-dry	1	9/13/2006 1:16:00 PM
Magnesium	8550	112		µg/g-dry	1	9/13/2006 1:16:00 PM
Manganese	573	2.25		µg/g-dry	1	9/13/2006 1:16:00 PM
Nickel	< 11.2	11.2		µg/g-dry	1	9/13/2006 1:16:00 PM
Potassium	2320	112		µg/g-dry	1	9/13/2006 1:16:00 PM
Selenium	< 1.12	1.12	S	µg/g-dry	1	9/13/2006 1:16:00 PM
Silver	< 4.49	4.49	S	µg/g-dry	1	9/13/2006 1:16:00 PM
Sodium	249	112		µg/g-dry	1	9/13/2006 1:16:00 PM
Thallium	< 2.25	2.25		µg/g-dry	1	9/13/2006 1:16:00 PM
Vanadium	19.7	11.2		µg/g-dry	1	9/13/2006 1:16:00 PM
Zinc	86.2	2.25		µg/g-dry	1	9/13/2006 1:16:00 PM
<b>MERCURY SW7471A</b>						Analyst: KH
( Prep: SW7471A - 9/13/2006 )						
Mercury	< 0.112	0.112		µg/g-dry	1	9/13/2006
<b>SEMI VOLATILE ORGANICS SW8270C</b>						Analyst: MT
( Prep: SW3545 - 9/12/2006 )						
Phenol	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Bis(2-chloroethyl)ether	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
2-Chlorophenol	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
1,3-Dichlorobenzene	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
1,4-Dichlorobenzene	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
1,2-Dichlorobenzene	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
2-Methylphenol	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Bis(2-chloroisopropyl)ether	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
4-Methylphenol	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range

# Adirondack Environmental Services, Inc

Date: 14-Sep-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** EX-AOI6-001  
**Collection Date:** 9/12/2006  
**Lab Sample ID:** 060912037-001  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>SEMI VOLATILE ORGANICS SW8270C</b>						Analyst: MT
( Prep: SW3545 - 9/12/2006 )						
N-Nitrosodi-n-propylamine	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Hexachloroethane	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Nitrobenzene	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Isophorone	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
2-Nitrophenol	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
2,4-Dimethylphenol	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Bis(2-chloroethoxy)methane	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
2,4-Dichlorophenol	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
1,2,4-Trichlorobenzene	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Naphthalene	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
4-Chloroaniline	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Hexachlorobutadiene	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
4-Chloro-3-methylphenol	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
2-Methylnaphthalene	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Hexachlorocyclopentadiene	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
2,4,6-Trichlorophenol	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
2,4,5-Trichlorophenol	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
2-Chloronaphthalene	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
2-Nitroaniline	< 1900	1900		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Dimethyl phthalate	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Acenaphthylene	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
2,6-Dinitrotoluene	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
3-Nitroaniline	< 1900	1900		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Acenaphthene	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
2,4-Dinitrophenol	< 1900	1900		µg/Kg-dry	1	9/13/2006 12:59:00 PM
4-Nitrophenol	< 1900	1900		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Dibenzofuran	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
2,4-Dinitrotoluene	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Diethyl phthalate	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
4-Chlorophenyl phenyl ether	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Fluorene	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
4-Nitroaniline	< 1900	1900		µg/Kg-dry	1	9/13/2006 12:59:00 PM
4,6-Dinitro-2-methylphenol	< 1900	1900		µg/Kg-dry	1	9/13/2006 12:59:00 PM
N-Nitrosodiphenylamine	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
4-Bromophenyl phenyl ether	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Hexachlorobenzene	< 1900	1900		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Pentachlorophenol	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Phenanthrene	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM

**Qualifiers:**  
 ND - Not Detected at the Reporting Limit  
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 X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 T - Tentatively Identified Compound-Estimated Conc.  
 E - Value above quantitation range

# Adirondack Environmental Services, Inc

Date: 14-Sep-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** EX-AOI6-001  
**Collection Date:** 9/12/2006  
**Lab Sample ID:** 060912037-001  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## SEMI VOLATILE ORGANICS SW8270C

Analyst: MT

( Prep: SW3545 - 9/12/2006 )

Anthracene	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Carbazole	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Di-n-butyl phthalate	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Fluoranthene	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Pyrene	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Butyl benzyl phthalate	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
3,3'-Dichlorobenzidine	< 740	740		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Benz(a)anthracene	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Chrysene	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Bis(2-ethylhexyl)phthalate	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Di-n-octyl phthalate	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Benzo(b)fluoranthene	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Benzo(k)fluoranthene	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Benzo(a)pyrene	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Indeno(1,2,3-cd)pyrene	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Dibenz(a,h)anthracene	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM
Benzo(g,h,i)perylene	< 370	370		µg/Kg-dry	1	9/13/2006 12:59:00 PM

## VOLATILE ORGANICS SW8260B

Analyst: ML

Chloromethane	< 11	11		µg/Kg-dry	1	9/13/2006
Bromomethane	< 11	11		µg/Kg-dry	1	9/13/2006
Vinyl chloride	< 11	11		µg/Kg-dry	1	9/13/2006
Chloroethane	< 11	11		µg/Kg-dry	1	9/13/2006
Methylene chloride	< 6	6		µg/Kg-dry	1	9/13/2006
Acetone	< 11	11		µg/Kg-dry	1	9/13/2006
Carbon disulfide	< 6	6		µg/Kg-dry	1	9/13/2006
1,1-Dichloroethene	< 6	6		µg/Kg-dry	1	9/13/2006
1,1-Dichloroethane	< 6	6		µg/Kg-dry	1	9/13/2006
trans-1,2-Dichloroethene	< 6	6		µg/Kg-dry	1	9/13/2006
cis-1,2-Dichloroethene	< 6	6		µg/Kg-dry	1	9/13/2006
Chloroform	< 6	6		µg/Kg-dry	1	9/13/2006
1,2-Dichloroethane	< 6	6		µg/Kg-dry	1	9/13/2006
2-Butanone	< 11	11		µg/Kg-dry	1	9/13/2006
1,1,1-Trichloroethane	< 6	6		µg/Kg-dry	1	9/13/2006
Carbon tetrachloride	< 6	6		µg/Kg-dry	1	9/13/2006
Bromodichloromethane	< 6	6		µg/Kg-dry	1	9/13/2006
1,2-Dichloropropane	< 6	6		µg/Kg-dry	1	9/13/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range

**Adirondack Environmental Services, Inc**

Date: 14-Sep-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** EX-AOI6-001  
**Collection Date:** 9/12/2006  
**Lab Sample ID:** 060912037-001  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANICS SW8260B**

Analyst: ML

cis-1,3-Dichloropropene	< 6	6		µg/Kg-dry	1	9/13/2006
Trichloroethene	< 6	6		µg/Kg-dry	1	9/13/2006
Dibromochloromethane	< 6	6		µg/Kg-dry	1	9/13/2006
1,1,2-Trichloroethane	< 6	6		µg/Kg-dry	1	9/13/2006
Benzene	< 6	6		µg/Kg-dry	1	9/13/2006
trans-1,3-Dichloropropene	< 6	6		µg/Kg-dry	1	9/13/2006
Bromoform	< 6	6		µg/Kg-dry	1	9/13/2006
4-Methyl-2-pentanone	< 11	11		µg/Kg-dry	1	9/13/2006
2-Hexanone	< 11	11		µg/Kg-dry	1	9/13/2006
Tetrachloroethene	< 6	6		µg/Kg-dry	1	9/13/2006
1,1,2,2-Tetrachloroethane	< 6	6		µg/Kg-dry	1	9/13/2006
Toluene	< 6	6		µg/Kg-dry	1	9/13/2006
Chlorobenzene	< 6	6		µg/Kg-dry	1	9/13/2006
Ethylbenzene	< 6	6		µg/Kg-dry	1	9/13/2006
Styrene	< 6	6		µg/Kg-dry	1	9/13/2006
m,p-Xylene	< 6	6		µg/Kg-dry	1	9/13/2006
o-Xylene	< 6	6		µg/Kg-dry	1	9/13/2006
Methyl tert-butyl ether	< 6	6		µg/Kg-dry	1	9/13/2006
Dichlorodifluoromethane	< 6	6		µg/Kg-dry	1	9/13/2006
Methyl Acetate	< 6	6		µg/Kg-dry	1	9/13/2006
1,1,2-Trichloro-1,2,2-trifluoroethane	< 6	6		µg/Kg-dry	1	9/13/2006
Trichlorofluoromethane	< 6	6		µg/Kg-dry	1	9/13/2006
Cyclohexane	< 11	11		µg/Kg-dry	1	9/13/2006
Methyl Cyclohexane	< 6	6		µg/Kg-dry	1	9/13/2006
1,2-Dibromoethane	< 6	6		µg/Kg-dry	1	9/13/2006
1,3-Dichlorobenzene	< 6	6		µg/Kg-dry	1	9/13/2006
Isopropylbenzene	< 6	6		µg/Kg-dry	1	9/13/2006
1,4-Dichlorobenzene	< 6	6		µg/Kg-dry	1	9/13/2006
1,2-Dichlorobenzene	< 6	6		µg/Kg-dry	1	9/13/2006
1,2-Dibromo-3-chloropropane	< 6	6		µg/Kg-dry	1	9/13/2006
1,2,4-Trichlorobenzene	< 6	6		µg/Kg-dry	1	9/13/2006

**PH SW9045B**

Analyst: LS

pH	7.9	1.0		pH Units	1	9/13/2006
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**MOISURE CONTENT D2216**

Analyst: KF

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range

**Adirondack Environmental Services, Inc**

Date: 14-Sep-06

**CLIENT:** Shaw Environmental & Infrastructure**Client Sample ID:** EX-AOI6-001**Work Order:** 060912037**Collection Date:** 9/12/2006**Project:** Schenectady Army Depot**Lab Sample ID:** 060912037-001**PO#:** 212830 OP**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>MOISURE CONTENT D2216</b>						Analyst: <b>KF</b>
Percent Moisture	11.0	1.0		wt%	1	9/12/2006

**Qualifiers:**

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X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

T - Tentitively Identified Compound-Estimated Conc.

E - Value above quantitation range

CLIENT: Shaw Environmental &amp; Infrastructure

Work Order: 060912037

Project: Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

BatchID: 12223

MBLK		SeqNo: 414603		PrepDate:9/12/2006		TestNo: SW8270C		RunNo: 37128			
		Samp ID: MB-12223		PrepRef:(SW3545)		Units: µg/Kg		Analysis Date: 9/13/2006			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	< 330	330									
1,2-Dichlorobenzene	< 330	330									
1,3-Dichlorobenzene	< 330	330									
1,4-Dichlorobenzene	< 330	330									
2,4,5-Trichlorophenol	< 330	330									
2,4,6-Trichlorophenol	< 330	330									
2,4-Dichlorophenol	< 330	330									
2,4-Dimethylphenol	< 330	330									
2,4-Dinitrophenol	< 1700	1700									
2,4-Dinitrotoluene	< 330	330									
2,6-Dinitrotoluene	< 330	330									
2-Chloronaphthalene	< 330	330									
2-Chlorophenol	< 330	330									
2-Methylnaphthalene	< 330	330									
2-Methylphenol	< 330	330									
2-Nitroaniline	< 1700	1700									
2-Nitrophenol	< 330	330									
3,3'-Dichlorobenzidine	< 660	660									
3-Nitroaniline	< 1700	1700									
4,6-Dinitro-2-methylphenol	< 1700	1700									
4-Bromophenyl phenyl ether	< 330	330									
4-Chloro-3-methylphenol	< 330	330									
4-Chloroaniline	< 330	330									
4-Chlorophenyl phenyl ether	< 330	330									
4-Methylphenol	< 330	330									
4-Nitroaniline	< 1700	1700									
4-Nitrophenol	< 1700	1700									
Acenaphthene	< 330	330									
Acenaphthylene	< 330	330									
Anthracene	< 330	330									
Benz(a)anthracene	< 330	330									

Qualifiers: ND - Not Detected at the Reporting Limit  
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R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12223

<b>MBLK</b>	SeqNo: 414603	PrepDate:9/12/2006	TestNo: SW8270C	RunNo: 37128
	Samp ID: MB-12223	PrepRef:(SW3545)	Units: µg/Kg	Analysis Date: 9/13/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	< 330	330									
Benzo(b)fluoranthene	< 330	330									
Benzo(g,h,i)perylene	< 330	330									
Benzo(k)fluoranthene	< 330	330									
Bis(2-chloroethoxy)methane	< 330	330									
Bis(2-chloroethyl)ether	< 330	330									
Bis(2-chloroisopropyl)ether	< 330	330									
Bis(2-ethylhexyl)phthalate	< 330	330									
Butyl benzyl phthalate	< 330	330									
Carbazole	< 330	330									
Chrysene	< 330	330									
Dibenz(a,h)anthracene	< 330	330									
Dibenzofuran	< 330	330									
Diethyl phthalate	< 330	330									
Dimethyl phthalate	< 330	330									
Di-n-butyl phthalate	< 330	330									
Di-n-octyl phthalate	< 330	330									
Fluoranthene	< 330	330									
Fluorene	< 330	330									
Hexachlorobenzene	< 1700	1700									
Hexachlorobutadiene	< 330	330									
Hexachlorocyclopentadiene	< 330	330									
Hexachloroethane	< 330	330									
Indeno(1,2,3-cd)pyrene	< 330	330									
Isophorone	< 330	330									
Naphthalene	< 330	330									
Nitrobenzene	< 330	330									
N-Nitrosodi-n-propylamine	< 330	330									
N-Nitrosodiphenylamine	< 330	330									
Pentachlorophenol	< 330	330									
Phenanthrene	< 330	330									
Phenol	< 330	330									

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot

# ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12223

MBLK	SeqNo: 414603	PrepDate:9/12/2006	TestNo: SW8270C		RunNo: 37128						
	Samp ID: MB-12223	PrepRef:(SW3545)	Units: µg/Kg	Analysis Date: 9/13/2006							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pyrene	< 330	330									
Surr: 2,4,6-Tribromophenol	1605	330	3333	0	48.2	19.1	99.1	0	0		
Surr: 2-Fluorobiphenyl	1421	330	1667	0	85.2	52.1	126	0	0		
Surr: 2-Fluorophenol	1808	330	3333	0	54.2	25.6	96.3	0	0		
Surr: 4-Terphenyl-d14	1430	330	1667	0	85.8	49.5	137	0	0		
Surr: Nitrobenzene-d5	1135	330	1667	0	68.1	25.8	119	0	0		
Surr: Phenol-d5	1808	330	3333	0	54.2	18.4	101	0	0		

LCS	SeqNo: 417974	PrepDate:9/12/2006		TestNo: SW8270C		RunNo: 37417						
	Samp ID: LCS-12223	PrepRef:(SW3545)		Units: µg/Kg		Analysis Date: 9/22/2006						
	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	1,2,4-Trichlorobenzene	1893	330	3333	0	56.8	36.4	123	0	0		
	1,2-Dichlorobenzene	1779	330	3333	0	53.4	46.7	83.5	0	0		
	1,3-Dichlorobenzene	1717	330	3333	0	51.5	39.7	85.3	0	0		
	1,4-Dichlorobenzene	1769	330	3333	0	53.1	40.3	120	0	0		
	2,4,5-Trichlorophenol	1694	330	3333	0	50.8	39.1	116	0	0		
	2,4,6-Trichlorophenol	2635	330	3333	0	79.1	24.4	130	0	0		
	2,4-Dichlorophenol	2173	330	3333	0	65.2	27.8	116	0	0		
	2,4-Dimethylphenol	2408	330	3333	0	72.3	35.8	125	0	0		
	2,4-Dinitrophenol	1283	1700	3333	0	38.5	10.5	73.5	0	0		J
	2,4-Dinitrotoluene	1802	330	3333	0	54.1	22.3	121	0	0		
	2,6-Dinitrotoluene	2225	330	3333	0	66.8	50.9	121	0	0		
	2-Chloronaphthalene	2107	330	3333	0	63.2	44	105	0	0		
	2-Chlorophenol	2051	330	3333	0	61.5	27	123	0	0		
	2-Methylnaphthalene	1933	330	3333	0	58	51	97.6	0	0		
	2-Methylphenol	2303	330	3333	0	69.1	32.2	100	0	0		
	2-Nitroaniline	2162	1700	3333	0	64.9	38.2	121	0	0		
	2-Nitrophenol	1971	330	3333	0	59.1	37.5	109	0	0		
	3-Nitroaniline	2025	1700	3333	0	60.8	51.8	121	0	0		
	4,6-Dinitro-2-methylphenol	1620	1700	3333	0	48.6	12.8	128	0	0		J
	4-Bromophenyl phenyl ether	2145	330	3333	0	64.4	40.8	124	0	0		
	4-Chloro-3-methylphenol	2228	330	3333	0	66.8	47.7	115	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
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R - RPD outside accepted recovery limits  
B - Analyte detected in the associated Method Blank



**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot

# ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12223

LCS	SeqNo: 417974		PrepDate:9/12/2006		TestNo: SW8270C		RunNo: 37417					
	Samp ID: LCS-12223		PrepRef:(SW3545)		Units: µg/Kg		Analysis Date: 9/22/2006					
	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	4-Chloroaniline	1959	330	3333	0	58.8	32.8	99.2	0	0		
	4-Chlorophenyl phenyl ether	2105	330	3333	0	63.1	50.7	104	0	0		
	4-Methylphenol	2076	330	3333	0	62.3	39.3	87.4	0	0		
	4-Nitroaniline	2087	1700	3333	0	62.6	-22.1	123	0	0		
	4-Nitrophenol	2423	1700	3333	0	72.7	19.8	116	0	0		
	Acenaphthene	2156	330	3333	0	64.7	32.8	113	0	0		
	Acenaphthylene	2110	330	3333	0	63.3	48.9	106	0	0		
	Anthracene	1933	330	3333	0	58	53.8	113	0	0		
	Benz(a)anthracene	2606	330	3333	0	78.2	52.2	119	0	0		
	Benzo(a)pyrene	2305	330	3333	0	69.2	57	108	0	0		
	Benzo(b)fluoranthene	2445	330	3333	0	73.4	45.7	113	0	0		
	Benzo(g,h,i)perylene	2025	330	3333	0	60.7	54.9	105	0	0		
	Benzo(k)fluoranthene	1754	330	3333	0	52.6	38.2	111	0	0		
	Bis(2-chloroethoxy)methane	1983	330	3333	0	59.5	35.2	101	0	0		
	Bis(2-chloroethyl)ether	2138	330	3333	0	64.2	24.7	96.8	0	0		
	Bis(2-chloroisopropyl)ether	1966	330	3333	0	59	12.1	98.8	0	0		
	Bis(2-ethylhexyl)phthalate	2312	330	3333	0	69.4	34.9	152	0	0		
	Butyl benzyl phthalate	2318	330	3333	0	69.6	40.7	152	0	0		
	Carbazole	3001	330	3333	0	90	41.9	111	0	0		
	Chrysene	2245	330	3333	0	67.4	55.3	112	0	0		
	Dibenz(a,h)anthracene	1992	330	3333	0	59.8	46.3	118	0	0		
	Dibenzofuran	2068	330	3333	0	62.1	46.3	98.1	0	0		
	Diethyl phthalate	2099	330	3333	0	63	52.2	107	0	0		
	Dimethyl phthalate	2061	330	3333	0	61.8	53.5	104	0	0		
	Di-n-butyl phthalate	2045	330	3333	0	61.3	49.8	125	0	0		
	Di-n-octyl phthalate	2115	330	3333	0	63.4	52.8	143	0	0		
	Fluoranthene	2053	330	3333	0	61.6	49.6	111	0	0		
	Fluorene	2199	330	3333	0	66	46.2	111	0	0		
	Hexachlorobenzene	2193	1700	3333	0	65.8	50.3	114	0	0		
	Hexachlorobutadiene	1828	330	3333	0	54.9	44.6	97.3	0	0		
	Hexachlorocyclopentadiene	1789	330	3333	0	53.7	31.2	96	0	0		
	Hexachloroethane	1768	330	3333	0	53.1	38.9	92.9	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12223

<b>LCS</b>	SeqNo: 417974	PrepDate:9/12/2006	TestNo: SW8270C	RunNo: 37417
	Samp ID: LCS-12223	PrepRef:(SW3545)	Units: µg/Kg	Analysis Date: 9/22/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-cd)pyrene	2420	330	3333	0	72.6	51.6	112	0	0		
Isophorone	2002	330	3333	0	60.1	56	90	0	0		
Naphthalene	2042	330	3333	0	61.3	47.2	96.6	0	0		
Nitrobenzene	1948	330	3333	0	58.4	40.5	110	0	0		
N-Nitrosodi-n-propylamine	2103	330	3333	0	63.1	33.3	117	0	0		
N-Nitrosodiphenylamine	2790	330	3333	0	83.7	47	135	0	0		
Pentachlorophenol	1788	330	3333	0	53.7	9	103	0	0		
Phenanthrene	2452	330	3333	0	73.6	49.2	112	0	0		
Phenol	2195	330	3333	0	65.9	23.1	110	0	0		
Pyrene	2463	330	3333	0	73.9	61	142	0	0		
Surr: 2,4,6-Tribromophenol	2148	330	3333	0	64.4	-1.76	130	0	0		
Surr: 2-Fluorobiphenyl	1448	330	1667	0	86.8	30.6	125	0	0		
Surr: 2-Fluorophenol	1930	330	3333	0	57.9	-8.37	69.6	0	0		
Surr: 4-Terphenyl-d14	1663	330	1667	0	99.8	30.4	152	0	0		
Surr: Nitrobenzene-d5	1319	330	1667	0	79.1	18.1	115	0	0		
Surr: Phenol-d5	2024	330	3333	0	60.7	-8.45	50.2	0	0		S

<b>MS</b>	SeqNo: 417976	PrepDate:9/12/2006	TestNo: SW8270C	RunNo: 37417
	Samp ID: 060912037-001A (EX-AOI6-001)	PrepRef:(SW3545)	Units: µg/Kg-dry	Analysis Date: 9/22/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	1856	370	3745	0	49.6	32.5	112	0	0		
1,2-Dichlorobenzene	1779	370	3745	0	47.5	26.1	103	0	0		
1,3-Dichlorobenzene	2970	370	3745	0	79.3	25.7	97.3	0	0		
1,4-Dichlorobenzene	1503	370	3745	0	40.1	28.2	100	0	0		
2,4,5-Trichlorophenol	1743	370	3745	0	46.6	22.8	120	0	0		
2,4,6-Trichlorophenol	2293	370	3745	0	61.2	30.5	118	0	0		
2,4-Dichlorophenol	2003	370	3745	0	53.5	30.6	110	0	0		
2,4-Dimethylphenol	2313	370	3745	0	61.8	43.2	113	0	0		
2,4-Dinitrophenol	746.4	1900	3745	0	19.9	-13.7	62.3	0	0		J
2,4-Dinitrotoluene	1823	370	3745	0	48.7	14.3	127	0	0		
2,6-Dinitrotoluene	1865	370	3745	0	49.8	54.2	101	0	0		S
2-Chloronaphthalene	2011	370	3745	0	53.7	43	103	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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R - RPD outside accepted recovery limits  
B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot

# ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12223

MS		SeqNo: 417976		PrepDate:9/12/2006		TestNo: SW8270C		RunNo: 37417			
		Samp ID: 060912037-001A (EX-AOI6-001)		PrepRef:(SW3545)		Units: µg/Kg-dry		Analysis Date: 9/22/2006			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Chlorophenol	2050	370	3745	0	54.7	19.9	87.7	0	0		
2-Methylnaphthalene	2295	370	3745	0	61.3	37.5	101	0	0		
2-Methylphenol	2514	370	3745	0	67.1	35.8	92.6	0	0		
2-Nitroaniline	2045	1900	3745	0	54.6	17.8	138	0	0		
2-Nitrophenol	2034	370	3745	0	54.3	39.1	104	0	0		
3-Nitroaniline	1917	1900	3745	0	51.2	18.2	140	0	0		
4,6-Dinitro-2-methylphenol	1905	1900	3745	0	50.9	-10.3	114	0	0		S
4-Bromophenyl phenyl ether	2112	370	3745	0	56.4	59.8	111	0	0		
4-Chloro-3-methylphenol	2166	370	3745	0	57.8	31.5	115	0	0		
4-Chloroaniline	1807	370	3745	0	48.2	12.3	96.5	0	0		S
4-Chlorophenyl phenyl ether	2023	370	3745	0	54	56.8	100	0	0		
4-Methylphenol	2144	370	3745	0	57.3	25.1	89.8	0	0		
4-Nitroaniline	2561	1900	3745	0	68.4	31.5	88.1	0	0		
4-Nitrophenol	2303	1900	3745	0	61.5	0.303	111	0	0		
Acenaphthene	2105	370	3745	0	56.2	29.1	120	0	0		
Acenaphthylene	2040	370	3745	0	54.5	43.3	104	0	0		
Anthracene	2062	370	3745	0	55.1	50.5	108	0	0		
Benz(a)anthracene	2360	370	3745	0	63	53.6	112	0	0		
Benzo(a)pyrene	2281	370	3745	0	60.9	55.1	97.5	0	0		
Benzo(b)fluoranthene	2412	370	3745	0	64.4	36.6	111	0	0		
Benzo(g,h,i)perylene	2058	370	3745	0	55	45.5	95.4	0	0		
Benzo(k)fluoranthene	1973	370	3745	0	52.7	42.5	103	0	0		
Bis(2-chloroethoxy)methane	1853	370	3745	0	49.5	30.8	105	0	0		
Bis(2-chloroethyl)ether	2076	370	3745	0	55.4	22.2	105	0	0		
Bis(2-chloroisopropyl)ether	1987	370	3745	0	53.1	31.5	105	0	0		S
Bis(2-ethylhexyl)phthalate	2199	370	3745	0	58.7	62.4	126	0	0		S
Butyl benzyl phthalate	2251	370	3745	0	60.1	67.2	131	0	0		
Carbazole	3198	370	3745	0	85.4	48	110	0	0		
Chrysene	2254	370	3745	0	60.2	55.8	107	0	0		
Dibenz(a,h)anthracene	2102	370	3745	0	56.1	23.7	116	0	0		
Dibenzofuran	1957	370	3745	0	52.3	53.6	92.4	0	0		S
Diethyl phthalate	1928	370	3745	0	51.5	45.6	99.3	0	0		

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**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12223

MS	SeqNo: 417976		PrepDate:9/12/2006		TestNo: SW8270C		RunNo: 37417					
	Samp ID: 060912037-001A (EX-AOI6-001)		PrepRef:(SW3545)		Units: µg/Kg-dry		Analysis Date: 9/22/2006					
	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	Dimethyl phthalate	1907	370	3745	0	50.9	8.16	113	0	0		
	Di-n-butyl phthalate	2016	370	3745	0	53.8	30.1	144	0	0		
	Di-n-octyl phthalate	2139	370	3745	0	57.1	29	125	0	0		
	Fluoranthene	2119	370	3745	0	56.6	25.9	98	0	0		
	Fluorene	2177	370	3745	0	58.1	23.6	104	0	0		
	Hexachlorobenzene	2486	1900	3745	0	66.4	51.9	96.9	0	0		
	Hexachlorobutadiene	1793	370	3745	0	47.9	32	101	0	0		
	Hexachlorocyclopentadiene	1800	370	3745	0	48.1	5.7	111	0	0		
	Hexachloroethane	1707	370	3745	0	45.6	29.3	98.9	0	0		
	Indeno(1,2,3-cd)pyrene	2046	370	3745	0	54.6	38.3	103	0	0		
	Isophorone	1863	370	3745	0	49.7	41.3	100	0	0		
	Naphthalene	2135	370	3745	0	57	6.75	117	0	0		
	Nitrobenzene	1844	370	3745	0	49.2	31.5	109	0	0		
	N-Nitrosodi-n-propylamine	2227	370	3745	0	59.5	12.2	122	0	0		
	N-Nitrosodiphenylamine	2743	370	3745	0	73.2	39.9	156	0	0		
	Pentachlorophenol	2012	370	3745	0	53.7	-2.6	123	0	0		
	Phenanthrene	2209	370	3745	0	59	48.8	112	0	0		
	Phenol	2450	370	3745	0	65.4	-1.55	90.4	0	0		
	Pyrene	2426	370	3745	0	64.8	39.1	137	0	0		
	Surr: 2,4,6-Tribromophenol	2194	370	3745	0	58.6	-1.76	130	0	0		
	Surr: 2-Fluorobiphenyl	1363	370	1873	0	72.8	30.6	125	0	0		
	Surr: 2-Fluorophenol	2503	370	3745	0	66.8	-8.37	69.6	0	0		
	Surr: 4-Terphenyl-d14	1633	370	1873	0	87.2	30.4	152	0	0		
	Surr: Nitrobenzene-d5	1227	370	1873	0	65.5	18.1	115	0	0		
	Surr: Phenol-d5	2063	370	3745	0	55.1	-8.45	50.2	0	0		S

MSD		SeqNo: 417977	PrepDate:9/12/2006	TestNo: SW8270C	RunNo: 37417						
		Samp ID: 060912037-001A (EX-AOI6-001)	PrepRef:(SW3545)	Units: µg/Kg-dry	Analysis Date: 9/22/2006						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2003	370	3745	0	53.5	32.5	112	1856	7.61	0	
1,2-Dichlorobenzene	1617	370	3745	0	43.2	26.1	103	1779	9.53	0	
1,3-Dichlorobenzene	2336	370	3745	0	62.4	25.7	97.3	2970	23.9	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot

# ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12223

MSD		SeqNo: 417977	PrepDate:9/12/2006		TestNo: SW8270C		RunNo: 37417				
Samp ID: 060912037-001A (EX-AO16-001)		PrepRef:(SW3545)		Units: µg/Kg-dry		Analysis Date: 9/22/2006					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	1425	370	3745	0	38	28.2	100	1503	5.35	0	
2,4,5-Trichlorophenol	2213	370	3745	0	59.1	22.8	120	1743	23.7	0	
2,4,6-Trichlorophenol	2462	370	3745	0	65.7	30.5	118	2293	7.12	0	
2,4-Dichlorophenol	2389	370	3745	0	63.8	30.6	110	2003	17.6	0	
2,4-Dimethylphenol	2749	370	3745	0	73.4	43.2	113	2313	17.2	0	
2,4-Dinitrophenol	1018	1900	3745	0	27.2	-13.7	62.3	746.4	0	0	J
2,4-Dinitrotoluene	2132	370	3745	0	56.9	14.3	127	1823	15.6	0	
2,6-Dinitrotoluene	2249	370	3745	0	60	54.2	101	1865	18.7	0	
2-Chloronaphthalene	2234	370	3745	0	59.7	43	103	2011	10.5	0	
2-Chlorophenol	2018	370	3745	0	53.9	19.9	87.7	2050	1.58	0	
2-Methylnaphthalene	2528	370	3745	0	67.5	37.5	101	2295	9.66	0	
2-Methylphenol	2267	370	3745	0	60.5	35.8	92.6	2514	10.3	0	
2-Nitroaniline	2389	1900	3745	0	63.8	17.8	138	2045	15.5	0	
2-Nitrophenol	2030	370	3745	0	54.2	39.1	104	2034	0.221	0	
3-Nitroaniline	2351	1900	3745	0	62.8	18.2	140	1917	20.3	0	
4,6-Dinitro-2-methylphenol	1968	1900	3745	0	52.6	-10.3	114	1905	3.27	0	
4-Bromophenyl phenyl ether	2325	370	3745	0	62.1	59.8	111	2112	9.64	0	
4-Chloro-3-methylphenol	2556	370	3745	0	68.3	31.5	115	2166	16.5	0	
4-Chloroaniline	2113	370	3745	0	56.4	12.3	96.5	1807	15.6	0	
4-Chlorophenyl phenyl ether	2221	370	3745	0	59.3	56.8	100	2023	9.34	0	
4-Methylphenol	2133	370	3745	0	57	25.1	89.8	2144	0.525	0	
4-Nitroaniline	2944	1900	3745	0	78.6	31.5	88.1	2561	13.9	0	
4-Nitrophenol	2451	1900	3745	0	65.4	0.303	111	2303	6.21	0	
Acenaphthene	2203	370	3745	0	58.8	29.1	120	2105	4.56	0	
Acenaphthylene	2252	370	3745	0	60.1	43.3	104	2040	9.90	0	
Anthracene	2330	370	3745	0	62.2	50.5	108	2062	12.2	0	
Benz(a)anthracene	2570	370	3745	0	68.6	53.6	112	2360	8.54	0	
Benzo(a)pyrene	2491	370	3745	0	66.5	55.1	97.5	2281	8.81	0	
Benzo(b)fluoranthene	2735	370	3745	0	73	36.6	111	2412	12.6	0	
Benzo(g,h,i)perylene	2144	370	3745	0	57.3	45.5	95.4	2058	4.08	0	
Benzo(k)fluoranthene	2355	370	3745	0	62.9	42.5	103	1973	17.6	0	
Bis(2-chloroethoxy)methane	2106	370	3745	0	56.2	30.8	105	1853	12.8	0	

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**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot

# ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12223

MSD		SeqNo: 417977		PrepDate:9/12/2006		TestNo: SW8270C		RunNo: 37417			
		Samp ID: 060912037-001A (EX-AOI6-001)		PrepRef:(SW3545)		Units: µg/Kg-dry		Analysis Date: 9/22/2006			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-chloroethyl)ether	1865	370	3745	0	49.8	22.2	105	2076	10.7	0	
Bis(2-chloroisopropyl)ether	1857	370	3745	0	49.6	31.5	105	1987	6.74	0	
Bis(2-ethylhexyl)phthalate	2394	370	3745	0	63.9	62.4	126	2199	8.50	0	
Butyl benzyl phthalate	2486	370	3745	0	66.4	67.2	131	2251	9.91	0	S
Carbazole	3329	370	3745	0	88.9	48	110	3198	4.01	0	
Chrysene	2468	370	3745	0	65.9	55.8	107	2254	9.08	0	
Dibenz(a,h)anthracene	2102	370	3745	0	56.1	23.7	116	2102	0.0178	0	
Dibenzofuran	2263	370	3745	0	60.4	53.6	92.4	1957	14.5	0	
Diethyl phthalate	2212	370	3745	0	59.1	45.6	99.3	1928	13.7	0	
Dimethyl phthalate	2145	370	3745	0	57.3	8.16	113	1907	11.8	0	
Di-n-butyl phthalate	2159	370	3745	0	57.6	30.1	144	2016	6.85	0	
Di-n-octyl phthalate	2518	370	3745	0	67.2	29	125	2139	16.3	0	
Fluoranthene	2190	370	3745	0	58.5	25.9	98	2119	3.30	0	
Fluorene	1445	370	3745	0	38.6	23.6	104	2177	40.4	0	
Hexachlorobenzene	2442	1900	3745	0	65.2	51.9	96.9	2486	1.79	0	
Hexachlorobutadiene	1960	370	3745	0	52.3	32	101	1793	8.92	0	
Hexachlorocyclopentadiene	1561	370	3745	0	41.7	5.7	111	1800	14.2	0	
Hexachloroethane	1504	370	3745	0	40.2	29.3	98.9	1707	12.6	0	
Indeno(1,2,3-cd)pyrene	2096	370	3745	0	56	38.3	103	2046	2.42	0	
Isophorone	2123	370	3745	0	56.7	41.3	100	1863	13.0	0	
Naphthalene	1875	370	3745	0	50.1	6.75	117	2135	13.0	0	
Nitrobenzene	2066	370	3745	0	55.2	31.5	109	1844	11.3	0	
N-Nitrosodi-n-propylamine	1853	370	3745	0	49.5	12.2	122	2227	18.3	0	
N-Nitrosodiphenylamine	3063	370	3745	0	81.8	39.9	156	2743	11.0	0	
Pentachlorophenol	2186	370	3745	0	58.4	-2.6	123	2012	8.26	0	
Phenanthrene	2496	370	3745	0	66.6	48.8	112	2209	12.2	0	
Phenol	1869	370	3745	0	49.9	-1.55	90.4	2450	26.9	0	
Pyrene	2636	370	3745	0	70.4	39.1	137	2426	8.30	0	
Surr: 2,4,6-Tribromophenol	2316	370	3745	0	61.8	-1.76	130	0	0	0	
Surr: 2-Fluorobiphenyl	1478	370	1873	0	78.9	30.6	125	0	0	0	
Surr: 2-Fluorophenol	2246	370	3745	0	60	-8.37	69.6	0	0	0	
Surr: 4-Terphenyl-d14	1738	370	1873	0	92.8	30.4	152	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12223

<b>MSD</b>	SeqNo: 417977	PrepDate:9/12/2006	TestNo: SW8270C	RunNo: 37417							
	Samp ID: 060912037-001A (EX-AOI6-001)	PrepRef:(SW3545)	Units: µg/Kg-dry	Analysis Date: 9/22/2006							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Nitrobenzene-d5	1324	370	1873	0	70.7	18.1	115	0	0	0	
Surr: Phenol-d5	1843	370	3745	0	49.2	-8.45	50.2	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12227

MBLK	SeqNo: 414609		PrepDate:9/12/2006		TestNo: SW8081A		RunNo: 37129					
	Samp ID: MB-12227		PrepRef:(SW3545)		Units: µg/Kg		Analysis Date: 9/13/2006					
	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	4,4'-DDD	< 3.3	3.3									
	4,4'-DDE	< 3.3	3.3									
	4,4'-DDT	< 3.3	3.3									
	Aldrin	< 1.7	1.7									
	alpha-BHC	< 1.7	1.7									
	alpha-Chlordane	< 1.7	1.7									
	beta-BHC	< 1.7	1.7									
	Chlordane	< 170	170									
	delta-BHC	< 1.7	1.7									
	Dieldrin	< 3.3	3.3									
	Endosulfan I	< 1.7	1.7									
	Endosulfan II	< 3.3	3.3									
	Endosulfan sulfate	< 3.3	3.3									
	Endrin	< 3.3	3.3									
	Endrin aldehyde	< 3.3	3.3									
	Endrin ketone	< 3.3	3.3									
	gamma-BHC	< 1.7	1.7									
	gamma-Chlordane	< 1.7	1.7									
	Heptachlor	< 1.7	1.7									
	Heptachlor epoxide	< 1.7	1.7									
	Methoxychlor	< 17	17									
	Toxaphene	< 170	170									
	Surr: Decachlorobiphenyl	27.9	0	40	0	69.8	49.6	137	0	0	0	
	Surr: Tetrachloro-m-xylene	23.6	0	40	0	59	44.7	148	0	0	0	

LCS	SeqNo: 414610		PrepDate:9/12/2006		TestNo: SW8081A		RunNo: 37129					
	Samp ID: LCS-12227		PrepRef:(SW3545)		Units: µg/Kg		Analysis Date: 9/13/2006					
	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	35.1	3.3	50	0	0	70.2	38.3	128	0	0		
Aldrin	20	1.7	25	0	0	80	52.7	132	0	0		
Dieldrin	44.6	3.3	50	0	0	89.2	57.9	130	0	0		
Endrin	47.2	3.3	50	0	0	94.4	61.5	129	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank



**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12227

<b>LCS</b>	SeqNo: 414610	PrepDate:9/12/2006	TestNo: SW8081A	RunNo: 37129
	Samp ID: LCS-12227	PrepRef:(SW3545)	Units: µg/Kg	Analysis Date: 9/13/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
gamma-BHC	15.9	1.7	25	0	63.6	58.2	124	0	0	0	
Heptachlor	21.2	1.7	25	0	84.8	61.3	127	0	0	0	
Surr: Decachlorobiphenyl	10.5	0	10	0	105	49.6	137	0	0	0	
Surr: Tetrachloro-m-xylene	7.4	0	10	0	74	44.7	148	0	0	0	

<b>MS</b>	SeqNo: 414612	PrepDate:9/12/2006	TestNo: SW8081A	RunNo: 37129
	Samp ID: 060912037-001A (EX-AOI6-001)	PrepRef:(SW3545)	Units: µg/Kg-dry	Analysis Date: 9/13/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	58.88	3.7	112.4	0	52.4	32	128	0	0	0	
Aldrin	45.96	1.9	56.18	0	81.8	30.8	120	0	0	0	
Dieldrin	97.53	3.7	112.4	0	86.8	53.4	127	0	0	0	
Endrin	101.7	3.7	112.4	0	90.5	51.5	122	0	0	0	
gamma-BHC	23.82	1.9	56.18	0	42.4	28.2	128	0	0	0	
Heptachlor	49.89	1.9	56.18	0	88.8	42.7	115	0	0	0	
Surr: Decachlorobiphenyl	42.47	0	44.94	0	94.5	49.6	137	0	0	0	
Surr: Tetrachloro-m-xylene	30.9	0	44.94	0	68.8	44.7	148	0	0	0	

<b>MSD</b>	SeqNo: 414613	PrepDate:9/12/2006	TestNo: SW8081A	RunNo: 37129
	Samp ID: 060912037-001A (EX-AOI6-001)	PrepRef:(SW3545)	Units: µg/Kg-dry	Analysis Date: 9/13/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	73.6	3.7	112.4	0	65.5	32	128	58.88	22.2	40	
Aldrin	44.83	1.9	56.18	0	79.8	30.8	120	45.96	2.48	34.2	
Dieldrin	93.93	3.7	112.4	0	83.6	53.4	127	97.53	3.76	40	
Endrin	101.2	3.7	112.4	0	90.1	51.5	122	101.7	0.443	36.8	
gamma-BHC	31.8	1.9	56.18	0	56.6	28.2	128	23.82	28.7	40	
Heptachlor	47.98	1.9	56.18	0	85.4	42.7	115	49.89	3.90	39.1	
Surr: Decachlorobiphenyl	43.93	0	44.94	0	97.8	49.6	137	0	0	30	
Surr: Tetrachloro-m-xylene	32.81	0	44.94	0	73	44.7	148	0	0	30	

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B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12227

MBLK	SeqNo: 414616	PrepDate:9/12/2006	TestNo: SW8082	RunNo: 37129							
	Samp ID: MB-12227	PrepRef:(SW3545)	Units: µg/Kg	Analysis Date: 9/13/2006							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	< 33	33									
Aroclor 1221	< 33	33									
Aroclor 1232	< 33	33									
Aroclor 1242	< 33	33									
Aroclor 1248	< 33	33									
Aroclor 1254	< 33	33									
Aroclor 1260	< 33	33									
Surr: Decachlorobiphenyl	27.9	0	40	0	69.8	48.1	152	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12231

<b>MBLK</b>	SeqNo: 414562	PrepDate:	TestNo: SW6010B	RunNo: 37124
	Samp ID: MBLK	PrepRef:(SW3050A)	Units: µg/g	Analysis Date: 9/13/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	6.65	20.0									J
Antimony	0.75	12.0									J
Arsenic	< 1.00	1.00									J
Barium	0.084	2.00									J
Beryllium	0.034	1.00									J
Cadmium	< 1.00	1.00									
Calcium	< 100	100									
Chromium	< 1.00	1.00									
Cobalt	0.001466	10.0									J
Copper	0.114	1.00									J
Iron	0.754	10.0									J
Lead	< 1.00	1.00									J
Magnesium	0.44	100									J
Manganese	0.01	2.00									J
Nickel	< 10.0	10.0									J
Potassium	0.148	100									J
Selenium	< 1.00	1.00									J
Silver	0.474	4.00									
Sodium	< 100	100									
Thallium	< 2.00	2.00									
Vanadium	0.462	10.0									J
Zinc	< 2.00	2.00									

<b>MBLK</b>	SeqNo: 415215	PrepDate:	TestNo: SW6010B	RunNo: 37182
	Samp ID: MBLK	PrepRef:(SW3050A)	Units: µg/g	Analysis Date: 9/14/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.715	5.00									J
Antimony	0.1075	3.00									J
Arsenic	< 0.250	0.250									
Barium	0.0355	0.500									J
Beryllium	< 0.250	0.250									
Cadmium	< 0.250	0.250									

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B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12231

MBLK	SeqNo: 415215		PrepDate:		TestNo: SW6010B		RunNo: 37182					
	Samp ID: MBLK		PrepRef:(SW3050A)		Units: µg/g		Analysis Date: 9/14/2006					
	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	Calcium	0.013	25.0									J
	Chromium	< 0.250	0.250									J
	Cobalt	0.0005	2.50									J
	Copper	0.054	0.250									J
	Iron	0.2105	2.50									J
	Lead	< 0.250	0.250									
	Magnesium	< 25.0	25.0									J
	Manganese	0.0005	0.500									J
	Nickel	0.008	2.50									J
	Potassium	0.145	25.0									J
	Selenium	< 0.250	0.250									
	Silver	0.069	1.00									J
	Sodium	< 25.0	25.0									
	Thallium	< 0.500	0.500									
	Vanadium	0.0915	2.50									J
	Zinc	< 0.500	0.500									

LCS	SeqNo: 414563		PrepDate:		TestNo: SW6010B		RunNo: 37124					
	Samp ID: LCS-S		PrepRef:(SW3050A)		Units: µg/g		Analysis Date: 9/13/2006					
	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	6054	20.0	7590	6.65		79.7	57.8	142.3	0	0		
Antimony	64.02	12.0	77.5	0.75		81.6	1.3	223.2	0	0		
Arsenic	75.08	1.00	80.9	0		92.8	79.7	120.3	0	0		
Barium	149.9	2.00	156	0.084		96	82.1	117.9	0	0		
Beryllium	142.9	1.00	143	0.034		99.9	81.8	118.2	0	0		
Cadmium	223.7	1.00	233	0		96	80.7	118.9	0	0		
Calcium	4107	100	4320	0		95.1	79.2	120.8	0	0		
Chromium	55.15	1.00	60.8	0		90.7	78.5	121.4	0	0		
Cobalt	78.84	10.0	68.6	0.001466		115	81.8	118.2	0	0		
Copper	128.6	1.00	131	0.114		98.1	82.4	117.6	0	0		
Iron	7446	10.0	14400	0.754		51.7	51.5	148.6	0	0		
Lead	78.66	1.00	76.8	0		102	80.6	119.5	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12231

LCS	SeqNo: 414563		PrepDate:		TestNo: SW6010B		RunNo: 37124					
	Samp ID: LCS-S		PrepRef:(SW3050A)		Units: µg/g		Analysis Date: 9/13/2006					
	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Magnesium	1913	100	2220	0.44		86.1	77	123	0	0		
Manganese	273	2.00	304	0.01		89.8	79.9	120.1	0	0		
Nickel	46.13	10.0	49.6	0		93	81.5	118.5	0	0		
Potassium	2153	100	2380	0.148		90.5	71.4	128.6	0	0		
Selenium	71.36	1.00	82.9	0		86.1	75.5	124.2	0	0		
Silver	66.75	4.00	80	0.474		82.8	61.3	138.8	0	0		
Sodium	466.9	100	456	0		102	55.7	144.3	0	0		
Thallium	159.1	2.00	158	0		101	75.3	124.7	0	0		
Vanadium	54.16	10.0	72.4	0.462		74.2	71.4	128.5	0	0		
Zinc	110.2	2.00	116	0		95	78	121.6	0	0		

LCS	SeqNo: 415216		PrepDate:		TestNo: SW6010B		RunNo: 37182					
	Samp ID: LCS-S		PrepRef:(SW3050A)		Units: µg/g		Analysis Date: 9/14/2006					
	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	5710	5.00	7590	0.715		75.2	57.8	142.3	0	0		
Antimony	34.81	3.00	77.5	0.1075		44.8	1.3	223.2	0	0		
Arsenic	70.22	0.250	80.9	0		86.8	79.7	120.3	0	0		
Barium	151.1	0.500	156	0.0355		96.9	82.1	117.9	0	0		
Beryllium	139.5	0.250	143	0		97.6	81.8	118.2	0	0		
Cadmium	214.2	0.250	233	0		91.9	80.7	118.9	0	0		
Calcium	4108	25.0	4320	0.013		95.1	79.2	120.8	0	0		
Chromium	56.31	0.250	60.8	0		92.6	78.5	121.4	0	0		
Cobalt	77.56	2.50	68.6	0.0005		113	81.8	118.2	0	0		
Copper	129.4	0.250	131	0.054		98.8	82.4	117.6	0	0		
Iron	7330	2.50	14400	0.2105		50.9	51.5	148.6	0	0		S
Lead	61.15	0.250	76.8	0		79.6	80.6	119.5	0	0		S
Magnesium	1848	25.0	2220	0		83.3	77	123	0	0		
Manganese	258.5	0.500	304	0.0005		85	79.9	120.1	0	0		
Nickel	45.64	2.50	49.6	0.008		92	81.5	118.5	0	0		
Potassium	2158	25.0	2380	0.145		90.7	71.4	128.6	0	0		
Selenium	65.53	0.250	82.9	0		79	75.5	124.2	0	0		
Silver	82.44	1.00	80	0.069		103	61.3	138.8	0	0		

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**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot

# ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12231

LCS	SeqNo: 415216		PrepDate:		TestNo: SW6010B		RunNo: 37182					
	Samp ID: LCS-S		PrepRef:(SW3050A)		Units: µg/g		Analysis Date: 9/14/2006					
	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
	Sodium	466.7	25.0	456	0	102	55.7	144.3	0	0		
	Thallium	154	0.500	158	0	97.5	75.3	124.7	0	0		
	Vanadium	54.18	2.50	72.4	0.0915	74.7	71.4	128.5	0	0		
	Zinc	105.2	0.500	116	0	90.7	78	121.6	0	0		
MS	SeqNo: 414566		PrepDate:9/13/2006		TestNo: SW6010B		RunNo: 37124					
	Samp ID: 060912037-001A (EX-AOI6-001)		PrepRef:(SW3050A)		Units: µg/g-dry		Analysis Date: 9/13/2006					
	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
	Aluminum	13680	22.5	449.4	16170	-554	75	125	0	0		S
	Antimony	117.3	13.5	112.4	15.58	90.5	75	125	0	0		
	Arsenic	8.265	1.12	8.989	1.571	74.5	75	125	0	0		S
	Barium	516.3	2.25	449.4	60.87	101	75	125	0	0		
	Beryllium	12.47	1.12	11.24	0.5528	106	75	125	0	0		
	Cadmium	10.51	1.12	11.24	0	93.6	75	125	0	0		
	Chromium	69.67	1.12	44.94	26.4	96.3	75	125	0	0		
	Cobalt	169.3	11.2	112.4	21.22	132	75	125	0	0		S
	Copper	87.68	1.12	56.18	36.67	90.8	75	125	0	0		
	Iron	23470	11.2	224.7	26160	-1200	75	125	0	0		S
	Lead	5.335	1.12	4.494	0	119	75	125	0	0		
	Manganese	619.4	2.25	112.4	573	41.4	75	125	0	0		S
	Nickel	111.4	11.2	112.4	0	99.2	75	125	0	0		
	Selenium	1.667	1.12	2.247	0	74.2	75	125	0	0		S
	Silver	6.472	4.49	11.24	0	57.6	75	125	0	0		S
	Thallium	8.458	2.25	11.24	0	75.3	75	125	0	0		
	Vanadium	131.1	11.2	112.4	19.71	99.1	75	125	0	0		
	Zinc	196.2	2.25	112.4	86.18	97.9	75	125	0	0		
DUP	SeqNo: 414565		PrepDate:9/13/2006		TestNo: SW6010B		RunNo: 37124					
	Samp ID: 060912037-001A		PrepRef:		Units: µg/g-dry		Analysis Date: 9/13/2006					
	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	Aluminum	16030	22.5	0	0	0	0	0	16170	0.861	20	

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12231

SeqNo: 414565		PrepDate:9/13/2006		TestNo: SW6010B		RunNo: 37124					
Samp ID: 060912037-001A		PrepRef:		Units: µg/g-dry		Analysis Date: 9/13/2006					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	10.36	13.5	0	0	0	0	0	15.58	0	17.2	
Arsenic	1.29	1.12	0	0	0	0	0	1.571	19.6	15.3	R
Barium	60.02	2.25	0	0	0	0	0	60.87	1.41	17.8	
Beryllium	0.5663	1.12	0	0	0	0	0	0.5528	0	11.5	
Cadmium	-0.4382	1.12	0	0	0	0	0	0	0	15.4	
Calcium	22410	112	0	0	0	0	0	22370	0.191	20	
Chromium	26.94	1.12	0	0	0	0	0	26.4	2.04	20	
Cobalt	21.24	11.2	0	0	0	0	0	21.22	0.106	18.9	
Copper	36.89	1.12	0	0	0	0	0	36.67	0.617	20	
Lead	-20.14	1.12	0	0	0	0	0	0	0	20	
Magnesium	8504	112	0	0	0	0	0	8552	0.565	20	
Manganese	574.9	2.25	0	0	0	0	0	573	0.336	20	
Nickel	-7.681	11.2	0	0	0	0	0	0	0	16.5	
Potassium	2261	112	0	0	0	0	0	2321	2.62	20	
Selenium	-43.66	1.12	0	0	0	0	0	0	0	20	
Silver	-4.193	4.49	0	0	0	0	0	0	0	10.3	
Sodium	236.3	112	0	0	0	0	0	249.5	5.40	21.2	
Thallium	-2.948	2.25	0	0	0	0	0	0	0	23.1	
Vanadium	18.73	11.2	0	0	0	0	0	19.71	5.13	11.5	
Zinc	86.47	2.25	0	0	0	0	0	86.18	0.344	20.4	

DUP		SeqNo: 414568		PrepDate:9/13/2006		TestNo: SW6010B		RunNo: 37124			
		Samp ID: 060912037-001A		PrepRef:		Units: µg/g-dry		Analysis Date: 9/13/2006			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	16120	112	0	0	0	0	0	15750	2.32	16.4	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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R - RPD outside accepted recovery limits

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12232

<b>MBLK</b>	SeqNo: 414547	PrepDate:9/13/2006	TestNo: SW7471A	RunNo: 37121
	Samp ID: MB-12232	PrepRef:(SW7471A)	Units: µg/g	Analysis Date: 9/13/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.0400	0.0400									

<b>MBLK</b>	SeqNo: 415010	PrepDate:9/13/2006	TestNo: SW7471A	RunNo: 37154
	Samp ID: MB-12232	PrepRef:(SW7471A)	Units: µg/g	Analysis Date: 9/14/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.0400	0.0400									

<b>LCS</b>	SeqNo: 414548	PrepDate:9/13/2006	TestNo: SW7471A	RunNo: 37121
	Samp ID: LCS-12232	PrepRef:(SW7471A)	Units: µg/g	Analysis Date: 9/13/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	3.925	1.00	3.6	0	109	68.1	131.9	0	0		

<b>LCS</b>	SeqNo: 415011	PrepDate:9/13/2006	TestNo: SW7471A	RunNo: 37154
	Samp ID: LCS-12232	PrepRef:(SW7471A)	Units: µg/g	Analysis Date: 9/14/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	3.8	1.00	3.6	0	106	68.1	131.9	0	0		

<b>MS</b>	SeqNo: 414551	PrepDate:9/13/2006	TestNo: SW7471A	RunNo: 37121
	Samp ID: 060912037-001A (EX-AOI6-001)	PrepRef:(SW7471A)	Units: µg/g-dry	Analysis Date: 9/13/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9494	0.112	1.124	0	84.5	74.4	123	0	0		

<b>MS</b>	SeqNo: 415024	PrepDate:9/13/2006	TestNo: SW7471A	RunNo: 37154
	Samp ID: 060913042-006A	PrepRef:(SW7471A)	Units: µg/g-dry	Analysis Date: 9/14/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.8432	0.119	1.188	0	71	74.4	123	0	0		S

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank



**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12232

<b>DUP</b>	SeqNo: 414550		PrepDate:9/13/2006		TestNo: SW7471A		RunNo: 37121	
	Samp ID: 060912037-001A		PrepRef:		Units: µg/g-dry		Analysis Date: 9/13/2006	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.112	0.112	0	0	0	0	0	0	0	0	20.8

<b>DUP</b>	SeqNo: 415023		PrepDate:9/13/2006		TestNo: SW7471A		RunNo: 37154	
	Samp ID: 060913042-006A		PrepRef:		Units: µg/g-dry		Analysis Date: 9/14/2006	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.119	0.119	0	0	0	0	0	0	0	0	20.8

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12253

<b>mbik</b>	SeqNo: 415105	PrepDate:9/14/2006	TestNo: SW8151A	RunNo: 37148
	Samp ID: mb-12253	PrepRef:(SW8151)	Units: µg/Kg	Analysis Date: 9/14/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	< 200	200									
2,4,5-TP (Silvex)	< 200	200									
2,4-D	< 200	200									
Surr: 2,4 Dichlorophenyl acetic acid	415.5	0	500	0	83.1	62.2	145	0	0		

<b>lcs</b>	SeqNo: 415106	PrepDate:9/14/2006	TestNo: SW8151A	RunNo: 37148
	Samp ID: lcs-12253	PrepRef:(SW8151)	Units: µg/Kg	Analysis Date: 9/14/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	106.2	200	100	0	106	80.3	119	0	0		J
2,4,5-TP (Silvex)	104.2	200	100	0	104	82.9	116	0	0		J
2,4-D	495.4	200	500	0	99.1	70.2	131	0	0		
Surr: 2,4 Dichlorophenyl acetic acid	449.7	0	500	0	89.9	62.2	145	0	0		

<b>ms</b>	SeqNo: 415110	PrepDate:9/13/2006	TestNo: SW8151A	RunNo: 37148
	Samp ID: 060912037-001A (EX-AOI6-001)	PrepRef:(SW8151)	Units: µg/Kg-dry	Analysis Date: 9/14/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	106.9	225	112.4	0	95.2	60	140	0	0		J
2,4,5-TP (Silvex)	112.6	225	112.4	3.764	96.9	60	140	0	0		J
2,4-D	546	225	561.8	0	97.2	60	140	0	0		
Surr: 2,4 Dichlorophenyl acetic acid	505.4	0	561.8	0	90	62.2	145	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot

**ANALYTICAL QC SUMMARY REPORT**

**BatchID: R37101**

<b>LCS</b>	SeqNo: 414358	TestNo: E150.1	RunNo: 37101
	Samp ID: LCS-R37101	Units: pH Units	Analysis Date: 9/13/2006

AnalYTE	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.62	1.00	8.66	0	99.5	95.6	102	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID: R37108**

<b>DUP</b>	SeqNo: 414421		TestNo: D2216				RunNo: 37108				
	Samp ID: 060912037-001A		Units: wt%				Analysis Date: 9/12/2006				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	10.56	1.00	0	0	0	0	0	11	4.11	0	

<b>DUP</b>	SeqNo: 414467		TestNo: D2216				RunNo: 37108				
	Samp ID: 060906054-005A		Units: wt%				Analysis Date: 9/12/2006				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	88.5	1.00	0	0	0	0	0	88.5	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** R37117

SeqNo: 414496 Samp ID: MB-R37117		TestNo: SW8260B Units: µg/Kg		RunNo: 37117 Analysis Date: 9/13/2006							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloromethane	< 10	10									
Bromomethane	< 10	10									
Vinyl chloride	< 10	10									
Chloroethane	< 10	10									
Methylene chloride	< 5.0	5.0									
Acetone	< 10	10									
Carbon disulfide	< 5.0	5.0									
1,1-Dichloroethene	< 5.0	5.0									
1,1-Dichloroethane	< 5.0	5.0									
trans-1,2-Dichloroethene	< 5.0	5.0									
cis-1,2-Dichloroethene	< 5.0	5.0									
Chloroform	< 5.0	5.0									
1,2-Dichloroethane	< 5.0	5.0									
2-Butanone	< 10	10									
1,1,1-Trichloroethane	< 5.0	5.0									
Carbon tetrachloride	< 5.0	5.0									
Bromodichloromethane	< 5.0	5.0									
1,2-Dichloropropane	< 5.0	5.0									
cis-1,3-Dichloropropene	< 5.0	5.0									
Trichloroethene	< 5.0	5.0									
Dibromochloromethane	< 5.0	5.0									
1,1,2-Trichloroethane	< 5.0	5.0									
Benzene	< 5.0	5.0									
trans-1,3-Dichloropropene	< 5.0	5.0									
Bromoform	< 5.0	5.0									
4-Methyl-2-pentanone	< 10	10									
2-Hexanone	< 10	10									
Tetrachloroethene	< 5.0	5.0									
1,1,2,2-Tetrachloroethane	< 5.0	5.0									
Toluene	< 5.0	5.0									
Chlorobenzene	< 5.0	5.0									
Ethylbenzene	< 5.0	5.0									

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** R37117

<b>MBLK</b>	SeqNo: 414496	TestNo: SW8260B	RunNo: 37117
	Samp ID: MB-R37117	Units: µg/Kg	Analysis Date: 9/13/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Styrene	< 5.0	5.0									
m,p-Xylene	< 5.0	5.0									
o-Xylene	< 5.0	5.0									
Methyl tert-butyl ether	< 5.0	5.0									
Dichlorodifluoromethane	< 5.0	5.0									
Methyl Acetate	< 5.0	5.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	< 5.0	5.0									
Trichlorofluoromethane	< 5.0	5.0									
Cyclohexane	< 10	10									
Methyl Cyclohexane	< 5.0	5.0									
1,2-Dibromoethane	< 5.0	5.0									
1,3-Dichlorobenzene	< 5.0	5.0									
Isopropylbenzene	< 5.0	5.0									
1,2-Dichlorobenzene	< 5.0	5.0									
1,4-Dichlorobenzene	< 5.0	5.0									
1,2-Dibromo-3-chloropropane	< 5.0	5.0									
1,2,4-Trichlorobenzene	< 5.0	5.0									
Surr: 1,2-Dichloroethane-d4	48.02	5.0	50	0	96	64.8	130	0	0	0	
Surr: 4-Bromofluorobenzene	48.98	5.0	50	0	98	76.8	122	0	0	0	
Surr: Toluene-d8	47.74	5.0	50	0	95.5	78.5	120	0	0	0	

<b>MBLK</b>	SeqNo: 414519	TestNo: SW1311/8260	RunNo: 37117
	Samp ID: MB-12222	Units: µg/L	Analysis Date: 9/13/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	1053	0	850	0	124	62.7	138	0	0	0	
Surr: 4-Bromofluorobenzene	940.1	0	850	0	111	65	133	0	0	0	
Surr: Toluene-d8	1011	0	850	0	119	70	141	0	0	0	

<b>LCS</b>	SeqNo: 414842	TestNo: SW1311/8260	RunNo: 37117
	Samp ID: LCS050	Units: µg/L	Analysis Date: 9/13/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** R37117

<b>LCS</b>	SeqNo: 414842	TestNo: SW1311/8260	RunNo: 37117
	Samp ID: LCS050	Units: µg/L	Analysis Date: 9/13/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	49.15	0	50	0	98.3	62.7	138	0	0	0	
Surr: 4-Bromofluorobenzene	54.76	0	50	0	110	65	133	0	0	0	
Surr: Toluene-d8	52.11	0	50	0	104	70	141	0	0	0	

<b>MS</b>	SeqNo: 414840	TestNo: SW1311/8260	RunNo: 37117
	Samp ID: 060912007-001A	Units: µg/L	Analysis Date: 9/13/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	697.8	0	850	0	82.1	62.7	138	0	0	0	
Surr: 4-Bromofluorobenzene	732.9	0	850	0	86.2	65	133	0	0	0	
Surr: Toluene-d8	747.5	0	850	0	87.9	70	141	0	0	0	

<b>MSD</b>	SeqNo: 414841	TestNo: SW1311/8260	RunNo: 37117
	Samp ID: 060912007-001A	Units: µg/L	Analysis Date: 9/13/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	718.2	0	850	0	84.5	62.7	138	0	0	0	
Surr: 4-Bromofluorobenzene	726.3	0	850	0	85.4	65	133	0	0	0	
Surr: Toluene-d8	775.7	0	850	0	91.3	70	141	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060912037  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** R37148

MSD		SeqNo: 415111		TestNo: SW8151A		RunNo: 37148					
		Samp ID: 060912037-001A (EX-AOI6-001)		Units: µg/Kg-dry		Analysis Date: 9/14/2006					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-D	593	225	561.8	0	106	60	140	546	8.26	40	
2,4,5-T	109.3	225	112.4	0	97.3	60	140	106.9	0	40	J
2,4,5-TP (Silvex)	119.3	225	112.4	3.764	103	60	140	112.6	0	40	J
Surr: 2,4 Dichlorophenyl acetic acid	564.4	0	561.8	0	100	62.2	145	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank





314 North Pearl Street  
Albany, New York 12207  
518-434-4546/434-0891 FAX

## CHAIN OF CUSTODY RECORD

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A full service analytical research laboratory offering solutions to environmental concerns

Client Name: <i>Shaw Environmental</i>		Address: <i>16406 US Rt. 224 East</i>						
Send Report To: <i>Guy Gallelo</i>		Project Name (Location): <i>Schenectady Army Depot AOI 6</i>			Samplers: (Names) <i>M. Puglisi</i>			
Client Phone No: <i>419-425-6080</i>		Client Fax No:		PO Number:		Samplers: (Signature) <i>[Signature]</i>		
AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type			Number of Cont's	Analysis Required
				Matrix	Comp	Grab		
<i>001</i>	<i>EX-AOI6-001</i>	<i>9/12/06</i>	<i>1330</i>	<i>A</i>	<i>Soil</i>		<i>4</i>	<i>VOC, Pesticides, Herbicides, PCB, Metals + Hg, SUBC</i>
				<i>A</i>				
				<i>P</i>				
				<i>A</i>				
				<i>P</i>				
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				<i>A</i>				
				<i>P</i>				
				<i>A</i>				
				<i>P</i>				

AES Work Order #: <i>060912037</i>		CC Report To / Special Instructions/Remarks: <i>Call Guy to confirm RL, method #'s</i>	
Turnaround Time Request: <input checked="" type="checkbox"/> 1 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> Normal <input type="checkbox"/> 2 Day <input type="checkbox"/> 5 Day			
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature)	Date/Time	
Relinquished by: (Signature)	Received by: (Signature)	Date/Time	
Relinquished by: (Signature)	Received for Laboratory by: <i>[Signature]</i>	Date/Time <i>9/12/06 3:31</i>	
TEMPERATURE Ambient or <i>Chilled</i> Notes: <i>4C</i>	PROPERLY PRESERVED <i>Y</i> N Notes:	RECEIVED WITHIN HOLDING TIMES <i>Y</i> N Notes:	

WHITE - Lab Copy

YELLOW - Sampler Copy

PINK - Generator Copy

Adirondack Environmental Services, Inc.



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## TERMS, CONDITIONS & LIMITATIONS

All Services rendered by **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

- (a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.
- (b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed as irrevocably waived.
- (c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.
- (d) In no event shall **Adirondack Environmental Services, Inc.**, its employees agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.
- (e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**
- (f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.



## Shaw Environmental & Infrastructure, Inc.

### Data Usability Report

16406 U.S. Route 224 East • Findlay, Ohio 45840

Findlay Ohio Office – Federal Technical Services

---

<b>PROJECT NUMBER:</b>	115215		
<b>PROJECT MANAGER:</b>	Tom Mathison	<b>SAMPLE RECEIPT DATE:</b>	09/13/2006
<b>PROJECT NAME:</b>	USACE-SAD-AOC-2	<b>LABORATORY SDG:</b>	060913042

---

The Findlay Ohio Applied Sciences Group has performed a QA evaluation of the data report from Adirondack Environmental Laboratories, Inc. (AEL) in Albany, NY. The results are for samples collected at the Former Schenectady Army Depot (AOC 2), Voorheesville Area, New York by on-site Shaw E & I personnel. The samples were analyzed for the parameters listed in the Sample Summary Table.

Sample Summary Table			
Sample Number	Collection Date	Matrix	Analysis Requested
EX-F-24A, EX-F-25A, EX-F-27A EX-F-30A, EX-F-31A, EX-F-32A	09/13/2006	Soil	Target Metals SW-6010B/ 7471A

All samples were received at the laboratory intact and sample analyses were performed within the required holding times. The cooler was submitted with chain-of-custody forms and was hand delivered containing ice within hours of sample collection. The laboratory provided a faxed preliminary report within the specified turn around time and a full data package at a later date. The following describes the overall QA/QC indicators.

#### Metals Analysis in Soil by SW6010B and SW7471A

Although the data package does not provide the calibration data, the Case Narrative states that the ICP and CVAA systems were calibrated for the target analytes in accordance with method requirements.

**Method Blanks:** The method blank results are below reporting limits for all reported analytes.

**LCS:** The LCS recoveries are within laboratory acceptance criteria for the target analytes. Recovery of Iron (51.7%R) and Vanadium (74.1%R) are low compared to the method range of 80-120%R for the LCS.

**QC Matrix:** The MS recoveries and duplicate precision, using sample EX-F-32A for Mercury are within acceptance limits. A sample from another client site was used for the QC Matrix analyses for the ICP metals and all analytes with native concentrations less than 4X the spike level were within limits as was the duplicate precision.

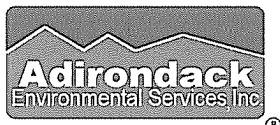
Reported results should be utilized with confidence

### Summary of Analysis

The overall Quality Control data provided in the laboratory report is representative of adequate method accuracy and precision with regard to project objectives. The reported data should be utilized, without reservation, in the intended project decision-making process.

  
\_\_\_\_\_  
Guy Gallella, Jr.-Project Chemist

11/30/2006  
Date



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314 North Pearl Street ♦ Albany, New York 12207  
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

September 14, 2006

Guy Gallelo  
Shaw Environmental & Infrastructure  
16406 US Route 224 East  
Findlay, OH 45840

Work Order No: 060913042

PO#: 212830 OP

TEL: (419) 425-6080

FAX: (419) 425-6085

RE: Schenectady Army Depot  
Area F

Dear Guy Gallelo:

Adirondack Environmental Services, Inc received 6 samples on 9/13/2006 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Christopher Hess  
QA Manager

ELAP#: 10709

AIHA#: 100307

G. Gallelo - FAX

---

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

T - Tentitively Identified Compound-Estimated Conc.

E - Value above quantitation range

# Adirondack Environmental Services, Inc

Date: 14-Sep-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060913042  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** EX-F-24A  
**Collection Date:** 9/13/2006  
**Lab Sample ID:** 060913042-001  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS SW6010B</b>						Analyst: <b>SM</b>
( Prep: SW3050A - 9/13/2006 )						
Aluminum	11800	21.6		µg/g-dry	1	9/13/2006 3:16:00 PM
Antimony	< 13.0	13.0		µg/g-dry	1	9/13/2006 3:16:00 PM
Arsenic	1.66	1.08	S	µg/g-dry	1	9/13/2006 3:16:00 PM
Barium	103	2.16		µg/g-dry	1	9/13/2006 3:16:00 PM
Beryllium	0.55	1.08	J	µg/g-dry	1	9/13/2006 3:16:00 PM
Cadmium	< 1.08	1.08		µg/g-dry	1	9/13/2006 3:16:00 PM
Calcium	23800	108		µg/g-dry	1	9/13/2006 3:16:00 PM
Chromium	21.6	1.08		µg/g-dry	1	9/13/2006 3:16:00 PM
Cobalt	23.9	10.8	S	µg/g-dry	1	9/13/2006 3:16:00 PM
Copper	35.5	1.08		µg/g-dry	1	9/13/2006 3:16:00 PM
Iron	32600	108		µg/g-dry	10	9/13/2006 3:42:00 PM
Lead	< 1.08	1.08		µg/g-dry	1	9/13/2006 3:16:00 PM
Magnesium	9770	108		µg/g-dry	1	9/13/2006 3:16:00 PM
Manganese	548	2.16		µg/g-dry	1	9/13/2006 3:16:00 PM
Nickel	< 10.8	10.8		µg/g-dry	1	9/13/2006 3:16:00 PM
Potassium	1320	108		µg/g-dry	1	9/13/2006 3:16:00 PM
Selenium	< 1.08	1.08	S	µg/g-dry	1	9/13/2006 3:16:00 PM
Silver	< 4.33	4.33	S	µg/g-dry	1	9/13/2006 3:16:00 PM
Sodium	672	108		µg/g-dry	1	9/13/2006 3:16:00 PM
Thallium	< 2.16	2.16		µg/g-dry	1	9/13/2006 3:16:00 PM
Vanadium	13.4	10.8		µg/g-dry	1	9/13/2006 3:16:00 PM
Zinc	74.1	2.16		µg/g-dry	1	9/13/2006 3:16:00 PM
<b>MERCURY SW7471A</b>						Analyst: <b>KH</b>
( Prep: SW7471A - 9/13/2006 )						
Mercury	< 0.108	0.108	S	µg/g-dry	1	9/14/2006
<b>MOISURE CONTENT D2216</b>						Analyst: <b>RC</b>
Percent Moisture	7.6	1.0		wt%	1	9/13/2006

**Qualifiers:**  
 ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 T - Tentitively Identified Compound-Estimated Conc.  
 E - Value above quantitation range

**Adirondack Environmental Services, Inc**

Date: 14-Sep-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060913042  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** EX-F-25A  
**Collection Date:** 9/13/2006  
**Lab Sample ID:** 060913042-002  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS SW6010B</b>						Analyst: <b>SM</b>
( Prep: SW3050A - 9/13/2006 )						
Aluminum	5340	22.5		µg/g-dry	1	9/13/2006 3:21:00 PM
Antimony	< 13.5	13.5		µg/g-dry	1	9/13/2006 3:21:00 PM
Arsenic	1.76	1.12	S	µg/g-dry	1	9/13/2006 3:21:00 PM
Barium	42.4	2.25		µg/g-dry	1	9/13/2006 3:21:00 PM
Beryllium	0.28	1.12	J	µg/g-dry	1	9/13/2006 3:21:00 PM
Cadmium	< 1.12	1.12		µg/g-dry	1	9/13/2006 3:21:00 PM
Calcium	10400	112		µg/g-dry	1	9/13/2006 3:21:00 PM
Chromium	10.2	1.12		µg/g-dry	1	9/13/2006 3:21:00 PM
Cobalt	11.3	11.2		µg/g-dry	1	9/13/2006 3:21:00 PM
Copper	19.8	1.12	S	µg/g-dry	1	9/13/2006 3:21:00 PM
Iron	14700	11.2		µg/g-dry	1	9/13/2006 3:21:00 PM
Lead	< 1.12	1.12		µg/g-dry	1	9/13/2006 3:21:00 PM
Magnesium	4660	112		µg/g-dry	1	9/13/2006 3:21:00 PM
Manganese	334	2.25		µg/g-dry	1	9/13/2006 3:21:00 PM
Nickel	< 11.2	11.2		µg/g-dry	1	9/13/2006 3:21:00 PM
Potassium	545	112		µg/g-dry	1	9/13/2006 3:21:00 PM
Selenium	< 1.12	1.12	S	µg/g-dry	1	9/13/2006 3:21:00 PM
Silver	< 4.50	4.50	S	µg/g-dry	1	9/13/2006 3:21:00 PM
Sodium	633	112		µg/g-dry	1	9/13/2006 3:21:00 PM
Thallium	< 2.25	2.25		µg/g-dry	1	9/13/2006 3:21:00 PM
Vanadium	5.2	11.2	J	µg/g-dry	1	9/13/2006 3:21:00 PM
Zinc	28.8	2.25		µg/g-dry	1	9/13/2006 3:21:00 PM
<b>MERCURY SW7471A</b>						Analyst: <b>KH</b>
( Prep: SW7471A - 9/13/2006 )						
Mercury	< 0.112	0.112	S	µg/g-dry	1	9/14/2006
<b>MOISURE CONTENT D2216</b>						Analyst: <b>RC</b>
Percent Moisture	11.1	1.0		wt%	1	9/13/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentitively Identified Compound-Estimated Conc.  
E - Value above quantitation range

**Adirondack Environmental Services, Inc**

Date: 14-Sep-06

**CLIENT:** Shaw Environmental & Infrastructure**Client Sample ID:** EX-F-30A**Work Order:** 060913042**Collection Date:** 9/13/2006**Project:** Schenectady Army Depot**Lab Sample ID:** 060913042-003**PO#:** 212830 OP**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS SW6010B</b>						Analyst: <b>SM</b>
( Prep: SW3050A - 9/13/2006 )						
Aluminum	7320	21.9		µg/g-dry	1	9/13/2006 3:26:00 PM
Antimony	< 13.1	13.1		µg/g-dry	1	9/13/2006 3:26:00 PM
Arsenic	< 1.10	1.10	S	µg/g-dry	1	9/13/2006 3:26:00 PM
Barium	246	2.19		µg/g-dry	1	9/13/2006 3:26:00 PM
Beryllium	0.35	1.10	J	µg/g-dry	1	9/13/2006 3:26:00 PM
Cadmium	< 1.10	1.10		µg/g-dry	1	9/13/2006 3:26:00 PM
Calcium	20000	110		µg/g-dry	1	9/13/2006 3:26:00 PM
Chromium	13.2	1.10		µg/g-dry	1	9/13/2006 3:26:00 PM
Cobalt	32.1	11.0	S	µg/g-dry	1	9/13/2006 3:26:00 PM
Copper	22.8	1.10		µg/g-dry	1	9/13/2006 3:26:00 PM
Iron	16600	11.0		µg/g-dry	1	9/13/2006 3:26:00 PM
Lead	< 1.10	1.10		µg/g-dry	1	9/13/2006 3:26:00 PM
Magnesium	7080	110		µg/g-dry	1	9/13/2006 3:26:00 PM
Manganese	397	2.19		µg/g-dry	1	9/13/2006 3:26:00 PM
Nickel	< 11.0	11.0		µg/g-dry	1	9/13/2006 3:26:00 PM
Potassium	791	110		µg/g-dry	1	9/13/2006 3:26:00 PM
Selenium	< 1.10	1.10	S	µg/g-dry	1	9/13/2006 3:26:00 PM
Silver	< 4.38	4.38	S	µg/g-dry	1	9/13/2006 3:26:00 PM
Sodium	652	110		µg/g-dry	1	9/13/2006 3:26:00 PM
Thallium	< 2.19	2.19		µg/g-dry	1	9/13/2006 3:26:00 PM
Vanadium	9.1	11.0	J	µg/g-dry	1	9/13/2006 3:26:00 PM
Zinc	45.1	2.19		µg/g-dry	1	9/13/2006 3:26:00 PM
<b>MERCURY SW7471A</b>						Analyst: <b>KH</b>
( Prep: SW7471A - 9/13/2006 )						
Mercury	< 0.110	0.110	S	µg/g-dry	1	9/14/2006
<b>MOISURE CONTENT D2216</b>						Analyst: <b>RC</b>
Percent Moisture	8.7	1.0		wt%	1	9/13/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentitively Identified Compound-Estimated Conc.  
E - Value above quantitation range



**Adirondack Environmental Services, Inc**

Date: 14-Sep-06

**CLIENT:** Shaw Environmental & Infrastructure**Client Sample ID:** EX-F-27A**Work Order:** 060913042**Collection Date:** 9/13/2006**Project:** Schenectady Army Depot**Lab Sample ID:** 060913042-004**PO#:** 212830 OP**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS SW6010B</b>						Analyst: <b>SM</b>
( Prep: SW3050A - 9/13/2006 )						
Aluminum	9790	24.0		µg/g-dry	1	9/13/2006 3:30:00 PM
Antimony	0.26	14.4	J	µg/g-dry	1	9/13/2006 3:30:00 PM
Arsenic	0.18	1.20	JS	µg/g-dry	1	9/13/2006 3:30:00 PM
Barium	29.5	2.40		µg/g-dry	1	9/13/2006 3:30:00 PM
Beryllium	0.54	1.20	J	µg/g-dry	1	9/13/2006 3:30:00 PM
Cadmium	< 1.20	1.20		µg/g-dry	1	9/13/2006 3:30:00 PM
Calcium	2500	120		µg/g-dry	1	9/13/2006 3:30:00 PM
Chromium	18.0	1.20		µg/g-dry	1	9/13/2006 3:30:00 PM
Cobalt	33.0	12.0	S	µg/g-dry	1	9/13/2006 3:30:00 PM
Copper	42.2	1.20		µg/g-dry	1	9/13/2006 3:30:00 PM
Iron	27100	120		µg/g-dry	10	9/13/2006 4:07:00 PM
Lead	< 1.20	1.20		µg/g-dry	1	9/13/2006 3:30:00 PM
Magnesium	4680	120		µg/g-dry	1	9/13/2006 3:30:00 PM
Manganese	222	2.40		µg/g-dry	1	9/13/2006 3:30:00 PM
Nickel	6.7	12.0	J	µg/g-dry	1	9/13/2006 3:30:00 PM
Potassium	710	120		µg/g-dry	1	9/13/2006 3:30:00 PM
Selenium	< 1.20	1.20	S	µg/g-dry	1	9/13/2006 3:30:00 PM
Silver	< 4.80	4.80	S	µg/g-dry	1	9/13/2006 3:30:00 PM
Sodium	724	120		µg/g-dry	1	9/13/2006 3:30:00 PM
Thallium	< 2.40	2.40		µg/g-dry	1	9/13/2006 3:30:00 PM
Vanadium	13.8	12.0		µg/g-dry	1	9/13/2006 3:30:00 PM
Zinc	88.3	2.40		µg/g-dry	1	9/13/2006 3:30:00 PM
<b>MERCURY SW7471A</b>						Analyst: <b>KH</b>
( Prep: SW7471A - 9/13/2006 )						
Mercury	< 0.120	0.120	S	µg/g-dry	1	9/14/2006
<b>MOISURE CONTENT D2216</b>						Analyst: <b>RC</b>
Percent Moisture	16.6	1.0		wt%	1	9/13/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range

# Adirondack Environmental Services, Inc

Date: 14-Sep-06

CLIENT: Shaw Environmental & Infrastructure

Client Sample ID: EX-F-31A

Work Order: 060913042

Collection Date: 9/13/2006

Project: Schenectady Army Depot

Lab Sample ID: 060913042-005

PO#: 212830 OP

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS SW6010B</b>						Analyst: SM
( Prep: SW3050A - 9/13/2006 )						
Aluminum	11200	22.0		µg/g-dry	1	9/13/2006 3:34:00 PM
Antimony	< 13.2	13.2		µg/g-dry	1	9/13/2006 3:34:00 PM
Arsenic	0.52	1.10	JS	µg/g-dry	1	9/13/2006 3:34:00 PM
Barium	113	2.20		µg/g-dry	1	9/13/2006 3:34:00 PM
Beryllium	0.60	1.10	J	µg/g-dry	1	9/13/2006 3:34:00 PM
Cadmium	< 1.10	1.10		µg/g-dry	1	9/13/2006 3:34:00 PM
Calcium	23500	110		µg/g-dry	1	9/13/2006 3:34:00 PM
Chromium	19.9	1.10		µg/g-dry	1	9/13/2006 3:34:00 PM
Cobalt	24.0	11.0	S	µg/g-dry	1	9/13/2006 3:34:00 PM
Copper	32.4	1.10		µg/g-dry	1	9/13/2006 3:34:00 PM
Iron	28400	110		µg/g-dry	10	9/13/2006 4:11:00 PM
Lead	< 1.10	1.10		µg/g-dry	1	9/13/2006 3:34:00 PM
Magnesium	9190	110		µg/g-dry	1	9/13/2006 3:34:00 PM
Manganese	520	2.20		µg/g-dry	1	9/13/2006 3:34:00 PM
Nickel	0.23	11.0	J	µg/g-dry	1	9/13/2006 3:34:00 PM
Potassium	1280	110		µg/g-dry	1	9/13/2006 3:34:00 PM
Selenium	< 1.10	1.10	S	µg/g-dry	1	9/13/2006 3:34:00 PM
Silver	< 4.39	4.39	S	µg/g-dry	1	9/13/2006 3:34:00 PM
Sodium	708	110		µg/g-dry	1	9/13/2006 3:34:00 PM
Thallium	< 2.20	2.20		µg/g-dry	1	9/13/2006 3:34:00 PM
Vanadium	12.9	11.0		µg/g-dry	1	9/13/2006 3:34:00 PM
Zinc	63.8	2.20		µg/g-dry	1	9/13/2006 3:34:00 PM
<b>MERCURY SW7471A</b>						Analyst: KH
( Prep: SW7471A - 9/13/2006 )						
Mercury	< 0.110	0.110	S	µg/g-dry	1	9/14/2006
<b>MOISURE CONTENT D2216</b>						Analyst: RC
Percent Moisture	8.9	1.0		wt%	1	9/13/2006

**Qualifiers:**  
 ND - Not Detected at the Reporting Limit  
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S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 T - Tentitively Identified Compound-Estimated Conc.  
 E - Value above quantitation range

**Adirondack Environmental Services, Inc**

Date: 14-Sep-06

**CLIENT:** Shaw Environmental & Infrastructure**Client Sample ID:** EX-F-32A**Work Order:** 060913042**Collection Date:** 9/13/2006**Project:** Schenectady Army Depot**Lab Sample ID:** 060913042-006**PO#:** 212830 OP**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS SW6010B</b>						Analyst: <b>SM</b>
( Prep: SW3050A - 9/13/2006 )						
Aluminum	12700	23.8		µg/g-dry	1	9/13/2006 3:38:00 PM
Antimony	< 14.3	14.3		µg/g-dry	1	9/13/2006 3:38:00 PM
Arsenic	0.12	1.19	JS	µg/g-dry	1	9/13/2006 3:38:00 PM
Barium	62.3	2.38		µg/g-dry	1	9/13/2006 3:38:00 PM
Beryllium	0.99	1.19	J	µg/g-dry	1	9/13/2006 3:38:00 PM
Cadmium	< 1.19	1.19		µg/g-dry	1	9/13/2006 3:38:00 PM
Calcium	3320	119		µg/g-dry	1	9/13/2006 3:38:00 PM
Chromium	21.0	1.19		µg/g-dry	1	9/13/2006 3:38:00 PM
Cobalt	14.9	11.9	S	µg/g-dry	1	9/13/2006 3:38:00 PM
Copper	42.4	1.19		µg/g-dry	1	9/13/2006 3:38:00 PM
Iron	24900	119		µg/g-dry	10	9/13/2006 4:15:00 PM
Lead	< 1.19	1.19		µg/g-dry	1	9/13/2006 3:38:00 PM
Magnesium	5380	119		µg/g-dry	1	9/13/2006 3:38:00 PM
Manganese	117	2.38		µg/g-dry	1	9/13/2006 3:38:00 PM
Nickel	< 11.9	11.9		µg/g-dry	1	9/13/2006 3:38:00 PM
Potassium	702	119		µg/g-dry	1	9/13/2006 3:38:00 PM
Selenium	< 1.19	1.19	S	µg/g-dry	1	9/13/2006 3:38:00 PM
Silver	< 4.75	4.75	S	µg/g-dry	1	9/13/2006 3:38:00 PM
Sodium	676	119		µg/g-dry	1	9/13/2006 3:38:00 PM
Thallium	< 2.38	2.38		µg/g-dry	1	9/13/2006 3:38:00 PM
Vanadium	14.9	11.9		µg/g-dry	1	9/13/2006 3:38:00 PM
Zinc	64.0	2.38		µg/g-dry	1	9/13/2006 3:38:00 PM
<b>MERCURY SW7471A</b>						Analyst: <b>KH</b>
( Prep: SW7471A - 9/13/2006 )						
Mercury	< 0.119	0.119	S	µg/g-dry	1	9/14/2006
<b>MOISURE CONTENT D2216</b>						Analyst: <b>RC</b>
Percent Moisture	15.8	1.0		wt%	1	9/13/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentitively Identified Compound-Estimated Conc.  
E - Value above quantitation range

CLIENT: Shaw Environmental &amp; Infrastructure

Work Order: 060913042

Project: Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

BatchID: 12231

MBLK	SeqNo: 414562		PrepDate:		TestNo: SW6010B		RunNo: 37124				
	Samp ID: MBLK		PrepRef:(SW3050A)		Units: µg/g		Analysis Date: 9/13/2006				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	6.65	20.0									J
Antimony	0.75	12.0									J
Arsenic	< 1.00	1.00									
Barium	0.084	2.00									J
Beryllium	0.034	1.00									J
Cadmium	< 1.00	1.00									
Calcium	< 100	100									
Chromium	< 1.00	1.00									
Cobalt	0.001466	10.0									J
Copper	0.114	1.00									J
Iron	0.754	10.0									J
Lead	< 1.00	1.00									
Magnesium	0.44	100									J
Manganese	0.01	2.00									J
Nickel	< 10.0	10.0									
Potassium	0.148	100									J
Selenium	< 1.00	1.00									
Silver	0.474	4.00									J
Sodium	< 100	100									
Thallium	< 2.00	2.00									
Vanadium	0.462	10.0									J
Zinc	< 2.00	2.00									

MBLK	SeqNo: 415215		PrepDate:		TestNo: SW6010B		RunNo: 37182				
	Samp ID: MBLK		PrepRef:(SW3050A)		Units: µg/g		Analysis Date: 9/14/2006				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.715	5.00									J
Antimony	0.1075	3.00									J
Arsenic	< 0.250	0.250									
Barium	0.0355	0.500									J

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060913042  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12231

MBLK	SeqNo: 415215		PrepDate:		TestNo: SW6010B		RunNo: 37182				
	Samp ID: MBLK		SPK value	PrepRef:(SW3050A)	Units: µg/g	Analysis Date: 9/14/2006					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	< 0.250	0.250									J
Cadmium	< 0.250	0.250									
Calcium	0.013	25.0									
Chromium	< 0.250	0.250									
Cobalt	0.0005	2.50									J
Copper	0.054	0.250									J
Iron	0.2105	2.50									J
Lead	< 0.250	0.250									
Magnesium	< 25.0	25.0									
Manganese	0.0005	0.500									J
Nickel	0.008	2.50									J
Potassium	0.145	25.0									J
Selenium	< 0.250	0.250									
Silver	0.069	1.00									J
Sodium	< 25.0	25.0									
Thallium	< 0.500	0.500									
Vanadium	0.0915	2.50									J
Zinc	< 0.500	0.500									

LCS	SeqNo: 414563		PrepDate:		TestNo: SW6010B		RunNo: 37124				
	Samp ID: LCS-S		PrepRef:(SW3050A)		Units: µg/g		Analysis Date: 9/13/2006				
	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Aluminum	6054	20.0	7590	6.65	79.7	57.8	142.3	0	0		
Antimony	64.02	12.0	77.5	0.75	81.6	1.3	223.2	0	0		
Arsenic	75.08	1.00	80.9	0	92.8	79.7	120.3	0	0		
Barium	149.9	2.00	156	0.084	96	82.1	117.9	0	0		
Beryllium	142.9	1.00	143	0.034	99.9	81.8	118.2	0	0		
Cadmium	223.7	1.00	233	0	96	80.7	118.9	0	0		
Calcium	4107	100	4320	0	95.1	79.2	120.8	0	0		
Chromium	55.15	1.00	60.8	0	90.7	78.5	121.4	0	0		
Cobalt	78.84	10.0	68.6	0.001466	115	81.8	118.2	0	0		
Copper	128.6	1.00	131	0.114	98.1	82.4	117.6	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060913042  
**Project:** Schenectady Army Depot

# ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12231

LCS	SeqNo: 414563		PrepDate:		TestNo: SW6010B		RunNo: 37124					
	Samp ID: LCS-S		PrepRef:(SW3050A)		Units: µg/g		Analysis Date: 9/13/2006					
	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	7446	10.0	14400		0.754	51.7	51.5	148.6	0	0		
Lead	78.66	1.00	76.8		0	102	80.6	119.5	0	0		
Magnesium	1913	100	2220		0.44	86.1	77	123	0	0		
Manganese	273	2.00	304		0.01	89.8	79.9	120.1	0	0		
Nickel	46.13	10.0	49.6		0	93	81.5	118.5	0	0		
Potassium	2153	100	2380		0.148	90.5	71.4	128.6	0	0		
Selenium	71.36	1.00	82.9		0	86.1	75.5	124.2	0	0		
Silver	66.75	4.00	80		0.474	82.8	61.3	138.8	0	0		
Sodium	466.9	100	456		0	102	55.7	144.3	0	0		
Thallium	159.1	2.00	158		0	101	75.3	124.7	0	0		
Vanadium	54.16	10.0	72.4		0.462	74.2	71.4	128.5	0	0		
Zinc	110.2	2.00	116		0	95	78	121.6	0	0		

LCS	SeqNo: 415216		PrepDate:		TestNo: SW6010B		RunNo: 37182					
	Samp ID: LCS-S		PrepRef:(SW3050A)		Units: µg/g		Analysis Date: 9/14/2006					
	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	5710	5.00	7590		0.715	75.2	57.8	142.3	0	0		
Antimony	34.81	3.00	77.5		0.1075	44.8	1.3	223.2	0	0		
Arsenic	70.22	0.250	80.9		0	86.8	79.7	120.3	0	0		
Barium	151.1	0.500	156		0.0355	96.9	82.1	117.9	0	0		
Beryllium	139.5	0.250	143		0	97.6	81.8	118.2	0	0		
Cadmium	214.2	0.250	233		0	91.9	80.7	118.9	0	0		
Calcium	4108	25.0	4320		0.013	95.1	79.2	120.8	0	0		
Chromium	56.31	0.250	60.8		0	92.6	78.5	121.4	0	0		
Cobalt	77.56	2.50	68.6		0.0005	113	81.8	118.2	0	0		
Copper	129.4	0.250	131		0.054	98.8	82.4	117.6	0	0		
Iron	7330	2.50	14400		0.2105	50.9	51.5	148.6	0	0		S
Lead	61.15	0.250	76.8		0	79.6	80.6	119.5	0	0		S
Magnesium	1848	25.0	2220		0	83.3	77	123	0	0		
Manganese	258.5	0.500	304		0.0005	85	79.9	120.1	0	0		
Nickel	45.64	2.50	49.6		0.008	92	81.5	118.5	0	0		
Potassium	2158	25.0	2380		0.145	90.7	71.4	128.6	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060913042  
**Project:** Schenectady Army Depot

# ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12231

LCS	SeqNo: 415216		PrepDate:		TestNo: SW6010B		RunNo: 37182				
	Samp ID: LCS-S		PrepRef:(SW3050A)		Units: µg/g		Analysis Date: 9/14/2006				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	65.53	0.250	82.9	0	79	75.5	124.2	0	0		
Silver	82.44	1.00	80	0.069	103	61.3	138.8	0	0		
Sodium	466.7	25.0	456	0	102	55.7	144.3	0	0		
Thallium	154	0.500	158	0	97.5	75.3	124.7	0	0		
Vanadium	54.18	2.50	72.4	0.0915	74.7	71.4	128.5	0	0		
Zinc	105.2	0.500	116	0	90.7	78	121.6	0	0		

MS	SeqNo: 414566		PrepDate:9/13/2006		TestNo: SW6010B		RunNo: 37124				
	Samp ID: 060912037-001A		PrepRef:(SW3050A)		Units: µg/g-dry		Analysis Date: 9/13/2006				
	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Aluminum	13680	22.5	449.4	16170	-554	75	125	0	0		S
Antimony	117.3	13.5	112.4	15.58	90.5	75	125	0	0		
Arsenic	8.265	1.12	8.989	1.571	74.5	75	125	0	0		S
Barium	516.3	2.25	449.4	60.87	101	75	125	0	0		
Beryllium	12.47	1.12	11.24	0.5528	106	75	125	0	0		
Cadmium	10.51	1.12	11.24	0	93.6	75	125	0	0		
Chromium	69.67	1.12	44.94	26.4	96.3	75	125	0	0		
Cobalt	169.3	11.2	112.4	21.22	132	75	125	0	0		S
Copper	87.68	1.12	56.18	36.67	90.8	75	125	0	0		
Iron	23470	11.2	224.7	26160	-1200	75	125	0	0		S
Lead	5.335	1.12	4.494	0	119	75	125	0	0		
Manganese	619.4	2.25	112.4	573	41.4	75	125	0	0		S
Nickel	111.4	11.2	112.4	0	99.2	75	125	0	0		
Selenium	1.667	1.12	2.247	0	74.2	75	125	0	0		S
Silver	6.472	4.49	11.24	0	57.6	75	125	0	0		S
Thallium	8.458	2.25	11.24	0	75.3	75	125	0	0		
Vanadium	131.1	11.2	112.4	19.71	99.1	75	125	0	0		
Zinc	196.2	2.25	112.4	86.18	97.9	75	125	0	0		

**Qualifiers:**

ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060913042  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12231

SeqNo: 414565		PrepDate:9/13/2006		TestNo: SW6010B		RunNo: 37124					
Samp ID: 060912037-001A		PrepRef:		Units: µg/g-dry		Analysis Date: 9/13/2006					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	16030	22.5	0	0	0	0	0	16170	0.861	20	
Antimony	10.36	13.5	0	0	0	0	0	15.58	0	17.2	
Arsenic	1.29	1.12	0	0	0	0	0	1.571	19.6	15.3	R
Barium	60.02	2.25	0	0	0	0	0	60.87	1.41	17.8	
Beryllium	0.5663	1.12	0	0	0	0	0	0.5528	0	11.5	
Cadmium	-0.4382	1.12	0	0	0	0	0	0	0	15.4	
Calcium	22410	112	0	0	0	0	0	22370	0.191	20	
Chromium	26.94	1.12	0	0	0	0	0	26.4	2.04	20	
Cobalt	21.24	11.2	0	0	0	0	0	21.22	0.106	18.9	
Copper	36.89	1.12	0	0	0	0	0	36.67	0.617	20	
Lead	-20.14	1.12	0	0	0	0	0	0	0	20	
Magnesium	8504	112	0	0	0	0	0	8552	0.565	20	
Manganese	574.9	2.25	0	0	0	0	0	573	0.336	20	
Nickel	-7.681	11.2	0	0	0	0	0	0	0	16.5	
Potassium	2261	112	0	0	0	0	0	2321	2.62	20	
Selenium	-43.66	1.12	0	0	0	0	0	0	0	20	
Silver	-4.193	4.49	0	0	0	0	0	0	0	10.3	
Sodium	236.3	112	0	0	0	0	0	249.5	5.40	21.2	
Thallium	-2.948	2.25	0	0	0	0	0	0	0	23.1	
Vanadium	18.73	11.2	0	0	0	0	0	19.71	5.13	11.5	
Zinc	86.47	2.25	0	0	0	0	0	86.18	0.344	20.4	

DUP	SeqNo: 414568		PrepDate:9/13/2006		TestNo: SW6010B		RunNo: 37124				
	Samp ID: 060912037-001A		PrepRef:		Units: µg/g-dry		Analysis Date: 9/13/2006				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	16120	112	0	0	0	0	0	15750	2.32	16.4	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
B - Analyte detected in the associated Method Blank



**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060913042  
**Project:** Schenectady Army Depot

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12232

<b>MBLK</b>	SeqNo: 414547	PrepDate:9/13/2006	TestNo: SW7471A	RunNo: 37121
	Samp ID: MB-12232	PrepRef:(SW7471A)	Units: µg/g	Analysis Date: 9/13/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.0400	0.0400									

<b>MBLK</b>	SeqNo: 415010	PrepDate:9/13/2006	TestNo: SW7471A	RunNo: 37154
	Samp ID: MB-12232	PrepRef:(SW7471A)	Units: µg/g	Analysis Date: 9/14/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.0400	0.0400									

<b>LCS</b>	SeqNo: 414548	PrepDate:9/13/2006	TestNo: SW7471A	RunNo: 37121
	Samp ID: LCS-12232	PrepRef:(SW7471A)	Units: µg/g	Analysis Date: 9/13/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	3.925	1.00	3.6	0	109	68.1	131.9	0	0	0	

<b>LCS</b>	SeqNo: 415011	PrepDate:9/13/2006	TestNo: SW7471A	RunNo: 37154
	Samp ID: LCS-12232	PrepRef:(SW7471A)	Units: µg/g	Analysis Date: 9/14/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	3.8	1.00	3.6	0	106	68.1	131.9	0	0	0	

<b>MS</b>	SeqNo: 414551	PrepDate:9/13/2006	TestNo: SW7471A	RunNo: 37121
	Samp ID: 060912037-001A	PrepRef:(SW7471A)	Units: µg/g-dry	Analysis Date: 9/13/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9494	0.112	1.124	0	84.5	74.4	123	0	0	0	

<b>MS</b>	SeqNo: 415024	PrepDate:9/13/2006	TestNo: SW7471A	RunNo: 37154
	Samp ID: 060913042-006A (EX-F-32A)	PrepRef:(SW7471A)	Units: µg/g-dry	Analysis Date: 9/14/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.8432	0.119	1.188	0	71	74.4	123	0	0	0	S

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
B - Analyte detected in the associated Method Blank

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 060913042  
**Project:** Schenectady Army Depot

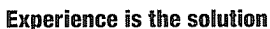
## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 12232

DUP	SeqNo: 414550		PrepDate:9/13/2006		TestNo: SW7471A		RunNo: 37121				
	Samp ID: 060912037-001A		PrepRef:		Units: µg/g-dry		Analysis Date: 9/13/2006				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.112	0.112	0	0	0	0	0	0	0	20.8	

DUP	SeqNo: 415023		PrepDate:9/13/2006		TestNo: SW7471A		RunNo: 37154				
	Samp ID: 060913042-006A		PrepRef:		Units: µg/g-dry		Analysis Date: 9/14/2006				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.119	0.119	0	0	0	0	0	0	0	0	20.8

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
B - Analyte detected in the associated Method Blank



A full service analytical research laboratory offering solutions to environmental concerns

## CHAIN OF CUSTODY RECORD

[illegible]

AES Work Order #: <b>060913042</b>		CC Report To / Special Instructions/Remarks:	
Turnaround Time Request: <input checked="" type="checkbox"/> 1 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> Normal <input type="checkbox"/> 2 Day <input type="checkbox"/> 5 Day			
Relinquished by: (Signature) <i>[Signature]</i>		Received by: (Signature)	
Relinquished by: (Signature)		Received by: (Signature)	
Relinquished by: (Signature)		Received for Laboratory by: <i>[Signature]</i>	
		Date/Time <b>9/13/06 12:31</b>	
TEMPERATURE Ambient or Chilled <b>(15°C)</b>		PROPERLY PRESERVED <b>(Y)</b> N	
Notes:		RECEIVED WITHIN HOLDING TIMES <b>(Y)</b> N	
Notes:		Notes:	

**WHITE - Lab Copy**

**YELLOW - Sampler Copy**

**PINK - Generator Copy**

# Adirondack Environmental Services, Inc.



**Experience is the solution**

314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

## TERMS, CONDITIONS & LIMITATIONS

All Services rendered by **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

- (a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.
- (b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed as irrevocably waived.
- (c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.
- (d) In no event shall **Adirondack Environmental Services, Inc.**, its employees agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.
- (e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**
- (f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.



**Shaw Environmental & Infrastructure, Inc.**

## Data Validation Report

16406 U.S. Route 224 East • Findlay, Ohio 45840

Findlay Ohio Office – Federal Technical Services

<b>PROJECT NUMBER:</b>	115215	<b>SAMPLE RECEIPT DATE:</b>	10/04/2006
<b>PROJECT MANAGER:</b>	Tom Mathison	<b>LABORATORY SDG:</b>	AEL-061004063
<b>PROJECT NAME:</b>	USACE-Schenectady		

The Findlay Ohio Federal Technical Services Group has performed a QA evaluation of the data report from GPL Laboratories, LLLP, Frederick, MD. The results are for [1] soil/waste sample collected at the Former Schenectady Army Depot (AOC 2), Voorheesville Area, New York by on-site Shaw E & I personnel. The sample was analyzed for the parameters listed in the Sample Summary Table.

Sample Summary Table			
Sample Number	Collection Date	Matrix	Analysis Requested
DS-AOIS-002	09/07/2006	Soil	TCLP VOC-SW1311/8260B TCLP SW-1311 TCLP Pest – SW-8081A, TCLP Herb – SW-8151A, TCLP SVOC-SW-8270C TCLP Metals – SW-6010B/ 7471A, TPH-DRO/GRO SW8015M Reactive Cyanide – SW-9014R, Reactive Sulfide – SW-9034R, Total PCB – SW-8082, pH – SW-9045C, Paint Filter – SW-9095A, and Flashpoint – SW-1010

The sample was received at the laboratory intact and sample analyses were performed within the required holding times. The cooler was submitted with chain-of-custody forms and was delivered to the laboratory within one hour of sample collection. Therefore the laboratory noted receipt temperature of 22 degrees C has no bearing on data usability. The laboratory provided faxed preliminary data within the specified turn around time and a hard copy Level II report at a later date. The following describes the overall QA/QC indicators.

#### **TCLP Pesticide Analysis in Soil by SW-1311/8081A**

The laboratory report does not provide the actual GC calibration information. However, based upon the Case Narrative the reviewer has assumed that the GC system was calibrated for the target analytes and surrogate compounds in accordance with method requirements for both front and rear columns.

**Method Blanks:** The method blank results are below reporting limits for the target analytes.

**LCS:** The LCS recoveries are within acceptance criteria for the target analytes.

**QC Matrix:** The MS/MSD recoveries, using the sample, were low for endrin and heptachlor epoxide with poor precision. These compounds were not found to be present in the actual soils and the SW-1311 method only requires recovery adjustment to the results if the analytes are a known concern. Therefore, the poor matrix performance for these compounds has no affect on data usability.

**Surrogates:** All surrogate recoveries are within acceptable criteria. This is indicative of acceptable method extraction and maintaining instrument control throughout the analytical sequence.

Reported results should be acted upon without reservation.

#### **PCB Analysis in Soil by SW8082**

The laboratory report does not provide the actual GC calibration information. However, based upon the Case Narrative the reviewer has assumed that the GC system was calibrated for the target analytes and surrogate compounds in accordance with method requirements for both front and rear columns.

The method blank results are below reporting limits for the target analytes. The laboratory does not independently spike with an Arochlor mixture and performs PCB analysis as an extension of its 8081A method. However, since one of the surrogates is actually a PCB (decachlorobiphenyl), confidence in the data can be gained from the surrogate performance which is acceptable for the sample and associated QC runs

The reported results should be utilized with confidence.

#### **TCLP Herbicide Analysis in Soil by SW1311/8151A**

The laboratory report does not provide the actual GC calibration information. However, based upon the Case Narrative the reviewer has assumed that the GC system was calibrated for the target analytes and surrogate compounds in accordance with method requirements for both front and rear columns.

**Method Blank:** The method blank results are below reporting limits for the target analytes.

**LCS:** The LCS recoveries are within acceptance criteria for the target analytes, indicative of acceptable method accuracy and verifying proper instrument control.

**MS/MSD:** The QC Matrix recoveries and MSD precision, using the submitted sample, are within acceptance limits.

**Surrogates:** All surrogate recoveries are within acceptable criteria.

Reported results should be utilized with confidence.

#### **TCLP SVOC Analysis in Soil by SW1311/8270C**

The laboratory report does not provide the actual GC calibration information. However, based upon the Case Narrative the reviewer has assumed that the GC/MS system was tuned and calibrated in accordance with method requirements and all analyses were performed within valid 12-hour tune clocks.

**Method Blanks:** The method blank results are below reporting limits for the target analytes.

**LCS:** The LCS recoveries are within acceptance criteria for the spiked target analytes. There is no recovery data for pyridine. This analyte has a very high TCLP limit and is often reported without batch-specific QC

**MS/MSD:** The QC Matrix recovery and precision, using the leachate from another client sample, is within acceptance limits for all spiked TCLP target compounds. The laboratory did not spike pyridine

**Surrogates:** Surrogate recoveries are acceptable for the sample and QC runs.

Reported results should be utilized with confidence.

#### **TCLP VOC Analysis in Soil by SW1311/8260B**

The laboratory report does not provide the actual GC calibration information. However, based upon the Case Narrative the reviewer has assumed that the GC/MS system was tuned and calibrated in accordance with method requirements and all analyses were performed within valid 12-hour tune clocks.

**Method Blanks:** The method blank results are below reporting limits for the target analytes.

**LCS:** The LCS recoveries are within acceptance criteria for the target analytes.

**QC Matrix:** The QC Matrix recovery and precision is based upon performance in a another client site matrix. All analytes yielded acceptable recovery and precision.

**Surrogates:** All surrogate recoveries are within acceptable criteria.

Reported results should be utilized with confidence.

#### **TCLP Metals Analysis in Soil by SW1311/6010B and SW7471A**

The laboratory report does not provide the actual GC calibration information. However, based upon the Case Narrative the reviewer has assumed that the ICP and CVAA systems were calibrated for the target analytes in accordance with method requirements.

**Method Blanks:** The method blank results are below reporting limits.

**LCS:** The LCS recoveries are within acceptance criteria for the target analytes.

**QC Matrix:** The MS recoveries and duplicate precision, performed using another client sample, are within acceptance limits.

Reported results should be utilized with confidence

## TPH (DRO/GRO) Analysis in Soil by SW8015M

The laboratory report does not provide the actual GC calibration information. However, based upon the Case Narrative the reviewer has assumed that the GC system was calibrated for the target analytes and surrogate compounds in accordance with method requirements.

**Method Blank:** The method blank results are below reporting limits for the target analytes.

**LCS:** The LCS recoveries are within acceptance criteria for the target analytes.

**QC Matrix:** The MS recoveries and MSD precision, using another client sample, are within acceptance limits.

**Surrogates:** All surrogate recoveries are within acceptable criteria.

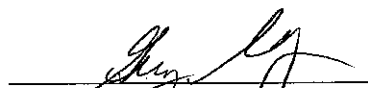
Reported results should be utilized with confidence.

### General Chemistry

A positive control check of the Flashpoint tester was within limits and LCS recoveries for all spiked compounds were within control limits. No duplicate samples were performed

### Summary of Analysis

The overall Quality Control data provided in the laboratory report is representative of adequate method accuracy and precision with regard to project objectives. The reported data should be utilized, without reservation, in the intended project decision-making process.

  
Guy Gallella, Jr.-Project Chemist

12/1/2016  
Date





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314 North Pearl Street ♦ Albany, New York 12207  
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

October 10, 2006

Guy Gallelo  
Shaw Environmental & Infrastructure  
16406 US Route 224 East  
Findlay, OH 45840

Work Order No: 061004063  
PO#: 212830 OP

TEL: (419) 425-6080  
FAX: (419) 425-6085

RE: Schenectady Army Depot  
Soil Analysis

Dear Guy Gallelo:

Adirondack Environmental Services, Inc received 1 sample on 10/4/2006 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Tara Daniels  
Laboratory Manager

ELAP#: 10709  
AIHA#: 100307

G. Gallelo - FAX

Guy Gallelo - FAX

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**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

T - Tentatively Identified Compound-Estimated Conc.

E - Value above quantitation range

**Adirondack Environmental Services, Inc**

Date: 10-Oct-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 061004063  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** DS-AOI5-002  
**Collection Date:** 10/4/2006  
**Lab Sample ID:** 061004063-001  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>GASOLINE AND DIESEL RANGE ORGANICS SW8015M</b>						Analyst: MG
TPH (Diesel)	< 12	12		µg/g-dry	1	10/5/2006 4:56:02 PM
TPH (Gasoline)	< 12	12		µg/g-dry	1	10/5/2006 4:56:02 PM
<b>POLYCHLORINATED BIPHENYLS SW8082</b>						Analyst: KF
( Prep: SW3545 - 10/5/2006 )						
Aroclor 1016	< 38	38		µg/Kg-dry	1	10/6/2006 12:20:06 AM
Aroclor 1221	< 38	38		µg/Kg-dry	1	10/6/2006 12:20:06 AM
Aroclor 1232	< 38	38		µg/Kg-dry	1	10/6/2006 12:20:06 AM
Aroclor 1242	< 38	38		µg/Kg-dry	1	10/6/2006 12:20:06 AM
Aroclor 1248	< 38	38		µg/Kg-dry	1	10/6/2006 12:20:06 AM
Aroclor 1254	< 38	38		µg/Kg-dry	1	10/6/2006 12:20:06 AM
Aroclor 1260	< 38	38		µg/Kg-dry	1	10/6/2006 12:20:06 AM
<b>TCLP HERBICIDES SW1311/8151</b>						Analyst: MG
( Prep: SW8150B - 10/6/2006 )						
2,4,5-TP (Silvex)-TCLP	< 0.05	0.05		mg/L	1	10/6/2006 7:39:47 PM
2,4-D-TCLP	< 0.50	0.50		mg/L	1	10/6/2006 7:39:47 PM
<b>PESTICIDES, TCLP LEACHED SW1311/8081A</b>						Analyst: KF
( Prep: E608 - 10/5/2006 )						
Chlordane-TCLP	< 0.005	0.005		mg/L	1	10/6/2006 12:20:06 AM
Endrin-TCLP	< 0.005	0.005		mg/L	1	10/6/2006 12:20:06 AM
gamma-BHC(Lindane)-TCLP	< 0.005	0.005		mg/L	1	10/6/2006 12:20:06 AM
Heptachlor epoxide-TCLP	< 0.005	0.005		mg/L	1	10/6/2006 12:20:06 AM
Heptachlor-TCLP	< 0.005	0.005		mg/L	1	10/6/2006 12:20:06 AM
Methoxychlor-TCLP	< 0.050	0.050		mg/L	1	10/6/2006 12:20:06 AM
Toxaphene-TCLP	< 0.050	0.050		mg/L	1	10/6/2006 12:20:06 AM
<b>TCLP MERCURY SW1311/7470A</b>						Analyst: KH
( Prep: SW7470A - 10/6/2006 )						
Mercury-TCLP	< 0.020	0.020		mg/L	1	10/6/2006
<b>TCLP METALS - ICP SW1311/6010A</b>						Analyst: SM
( Prep: SW1311 - 10/5/2006 )						
Arsenic-TCLP	< 0.05	0.05		mg/L	1	10/6/2006 3:45:00 PM
Barium-TCLP	0.12	0.10		mg/L	1	10/6/2006 3:45:00 PM
Cadmium-TCLP	< 0.05	0.05		mg/L	1	10/6/2006 3:45:00 PM
Chromium-TCLP	< 0.05	0.05		mg/L	1	10/6/2006 3:45:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range

**Adirondack Environmental Services, Inc**

Date: 10-Oct-06

**CLIENT:** Shaw Environmental & Infrastructure**Client Sample ID:** DS-AOI5-002**Work Order:** 061004063**Collection Date:** 10/4/2006**Project:** Schenectady Army Depot**Lab Sample ID:** 061004063-001**PO#:** 212830 OP**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>TCLP METALS - ICP SW1311/6010A</b>						
( Prep: SW1311 - 10/5/2006 )						Analyst: <b>SM</b>
Lead-TCLP	< 0.05	0.05		mg/L	1	10/6/2006 3:45:00 PM
Selenium-TCLP	< 0.05	0.05		mg/L	1	10/6/2006 3:45:00 PM
Silver-TCLP	< 0.10	0.10		mg/L	1	10/6/2006 3:45:00 PM
<b>TCLP-SEMIVOLATILES SW1311/8270C</b>						
( Prep: SW3510/E625 - 10/6/2006 )						Analyst: <b>MG</b>
1,4-Dichlorobenzene -TCLP	< 25	25		µg/L	1	10/10/2006 12:10:00 PM
2,4,5-Trichlorophenol-TCLP	< 25	25		µg/L	1	10/10/2006 12:10:00 PM
2,4,6-Trichlorophenol-TCLP	< 25	25		µg/L	1	10/10/2006 12:10:00 PM
2,4-Dinitrotoluene-TCLP	< 25	25		µg/L	1	10/10/2006 12:10:00 PM
Cresols, Total-TCLP	< 25	25		µg/L	1	10/10/2006 12:10:00 PM
Hexachlorobenzene-TCLP	< 25	25		µg/L	1	10/10/2006 12:10:00 PM
Hexachlorobutadiene-TCLP	< 25	25		µg/L	1	10/10/2006 12:10:00 PM
Hexachloroethane-TCLP	< 25	25		µg/L	1	10/10/2006 12:10:00 PM
Nitrobenzene-TCLP	< 25	25		µg/L	1	10/10/2006 12:10:00 PM
Pentachlorophenol-TCLP	< 120	120		µg/L	1	10/10/2006 12:10:00 PM
Pyridine-TCLP	< 25	25		µg/L	1	10/10/2006 12:10:00 PM
<b>TCLP VOLATILES SW1311/8260</b>						
						Analyst: <b>ML</b>
1,1-Dichloroethene-TCLP	< 5	5		µg/L	1	10/5/2006 5:37:00 PM
1,2-Dichloroethane-TCLP	< 5	5		µg/L	1	10/5/2006 5:37:00 PM
1,4-Dichlorobenzene-TCLP	< 5	5		µg/L	1	10/5/2006 5:37:00 PM
2-Butanone-TCLP	< 10	10		µg/L	1	10/5/2006 5:37:00 PM
Benzene-TCLP	< 5	5		µg/L	1	10/5/2006 5:37:00 PM
Carbon tetrachloride-TCLP	< 5	5		µg/L	1	10/5/2006 5:37:00 PM
Chlorobenzene-TCLP	< 5	5		µg/L	1	10/5/2006 5:37:00 PM
Chloroform-TCLP	< 5	5		µg/L	1	10/5/2006 5:37:00 PM
Tetrachloroethene-TCLP	< 5	5		µg/L	1	10/5/2006 5:37:00 PM
Trichloroethene-TCLP	< 5	5		µg/L	1	10/5/2006 5:37:00 PM
Vinyl chloride-TCLP	< 10	10		µg/L	1	10/5/2006 5:37:00 PM
<b>FLASH POINT ASTM_D93-02A</b>						
						Analyst: <b>PL</b>
Flash Point	> 200	60		°F	1	10/6/2006
<b>PH SW9045B</b>						
						Analyst: <b>LS</b>

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentitively Identified Compound-Estimated Conc.  
E - Value above quantitation range

**Adirondack Environmental Services, Inc**

Date: 10-Oct-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 061004063  
**Project:** Schenectady Army Depot  
**PO#:** 212830 OP

**Client Sample ID:** DS-AOI5-002  
**Collection Date:** 10/4/2006  
**Lab Sample ID:** 061004063-001  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>PH SW9045B</b>						Analyst: <b>LS</b>
pH	7.8	1.0		pH Units	1	10/6/2006
<b>MOISURE CONTENT D2216</b>						Analyst: <b>PL</b>
Percent Moisture	13.3	1.0		wt%	1	10/10/2006
<b>CYANIDE, REACTIVE SW7.3.3.2</b> ( Prep: E335.3 - 10/4/2006 )						Analyst: <b>RC</b>
Reactive Cyanide	< 1.0	1.0		µg/g	1	10/4/2006
<b>REACTIVE SULFIDE SW7.3.4.2</b>						Analyst: <b>RC</b>
Reactive Sulfide	< 10	10		µg/g	1	10/4/2006
<b>REACTIVITY SW846 7.3.3</b>						Analyst: <b>RC</b>
Reactivity	Non Reactive	0			1	10/4/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

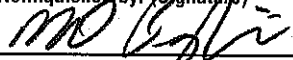

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentitively Identified Compound-Estimated Conc.  
E - Value above quantitation range



## CHAIN OF CUSTODY RECORD

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[illegible]

AES Work Order #: <b>061004063</b>		CC Report To / Special Instructions/Remarks: <b>Full PCIP - metals, post., herb, vol's, suol's</b> <b>ICR - PH, flashpoint, reactive cyanide/sulfide</b>	
Turnaround Time Request: <input type="checkbox"/> 1 Day <input checked="" type="checkbox"/> 3 Day <input type="checkbox"/> Normal <input type="checkbox"/> 2 Day <input type="checkbox"/> 5 Day			
Relinquished by: (Signature) 		Received by: (Signature)	Date/Time
Relinquished by: (Signature)		Received by: (Signature)	Date/Time
Relinquished by: (Signature)		Received for Laboratory by: 	Date/Time <b>10/4/06 3:25</b>
TEMPERATURE Ambient or Chilled Notes: <b>22 C</b>		PROPERLY PRESERVED <b>Y</b> N Notes:	RECEIVED WITHIN HOLDING TIMES <b>Y</b> N Notes:

**YELLOW - Sampler Copy**

**PINK - Generator Copy**

**Adirondack Environmental Services, Inc.**



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## **TERMS, CONDITIONS & LIMITATIONS**

All Services rendered by **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

- (a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.
- (b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed as irrevocably waived.
- (c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.
- (d) In no event shall **Adirondack Environmental Services, Inc.**, its employees agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.
- (e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**
- (f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.



## Shaw Environmental & Infrastructure, Inc.

### Data Usability Report

16406 U.S. Route 224 East • Findlay, Ohio 45840

Findlay Ohio Office – Federal Technical Services

**PROJECT NUMBER:** 115215  
**PROJECT MANAGER:** Tom Mathison  
**PROJECT NAME:** USACE-Schenectady  
**RECEIPT DATE:** 10/04/2006  
**LABORATORY SDG:** AEL-061004064

The Findlay Ohio Applied Sciences Group has performed a QA evaluation of the data report from Adirondack Environmental Laboratories, Inc. (AEL) in Albany, NY. The results are for samples collected at the Former Schenectady Army Depot (AOC 2), Voorheesville Area, New York by on-site Shaw E & I personnel. The samples were analyzed for the parameters listed in the Sample Summary Table.

Sample Summary Table			
Sample Number	Collection Date	Matrix	Analysis Requested
DS-AOI5-003 and DS-AOI5-004	10/04/2006	Soil	Reactive Sulfide

All samples were received at the laboratory intact and sample analyses were performed within the required holding times. The cooler was submitted with chain-of-custody forms and the samples were delivered to the laboratory within one hour of collection. Thus, the internal cooler temperature of 22 degrees C has no bearing on data usability. The laboratory provided faxed preliminary data within the specified turn around time and submitted a hard copy Level II report at a later date. The following describes the overall QA/QC indicators.

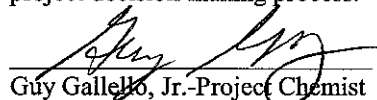
#### Reactive Sulfide by SW-846 7.3.4.2

The laboratory data package does not provide calibration data. However, based upon the Case Narrative the reviewer has assumed that the method was properly set-up and calibrated. The method blank results are below reporting limits for all reported analytes. The LCS recovery is within acceptance criteria. This particular method does not require a QC Matrix spike and since the samples were both BRL no duplicate was performed

Reported results should be utilized with confidence

#### Summary of Analysis

The overall Quality Control data provided in the laboratory report is representative of adequate method accuracy and precision with regard to project objectives. The reported data should be utilized, without reservation, in the intended project decision-making process.

  
Guy Galleto, Jr.-Project Chemist

12/1/2006  
Date



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October 05, 2006

Guy Gallelo  
Shaw Environmental & Infrastructure  
16406 US Route 224 East  
Findlay, OH 45840

TEL: (419) 425-6080

FAX: (419) 425-6085

Work Order No: 061004064

PO#: 212830 OP

RE: Schenectady Army Depot  
Soil Analysis

Dear Guy Gallelo:

Adirondack Environmental Services, Inc received 2 samples on 10/4/2006 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Tara Daniels  
Laboratory Manager

ELAP#: 10709

AIHA#: 100307

G. Gallelo - FAX

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits, Estimated	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	T - Tentatively Identified Compound - Estimated Conc.
	X - Value exceeds Maximum Contaminant Level	E - Value above quantitation range



**Adirondack Environmental Services, Inc**

Date: 05-Oct-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Project:** Schenectady Army Depot

**LabWork Order:** 061004064  
**PO#:** 212830 OP

**Lab SampleID:** 061004064-001**Collection Date:** 10/4/2006**Client Sample ID:** DS-AOI5-003**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**REACTIVE SULFIDE SW7.3.4.2**

Analyst: RC

Reactive Sulfide	< 10	10		µg/g	1	10/4/2006
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**Lab SampleID:** 061004064-002**Collection Date:** 10/4/2006**Client Sample ID:** DS-AOI5-004**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**REACTIVE SULFIDE SW7.3.4.2**

Analyst: RC

Reactive Sulfide	< 10	10		µg/g	1	10/4/2006
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**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits, Estimated  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range



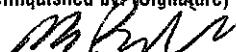

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Albany, New York 12207  
518-434-4546/434-0891 FAX

## CHAIN OF CUSTODY RECORD

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[illegible]

<b>AES Work Order #:</b> <div style="font-size: 2em; border: 1px solid black; padding: 5px; display: inline-block;">061004064</div>		<b>CC Report To / Special Instructions/Remarks:</b>  <div style="font-size: 2em; text-align: center;">24 hr. TAT</div>	
<b>Turnaround Time Request:</b> <input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> Normal <input type="checkbox"/> 2 Day <input type="checkbox"/> 5 Day			
<b>Relinquished by: (Signature)</b> 		<b>Received by: (Signature)</b> 	
<b>Relinquished by: (Signature)</b> 		<b>Received by: (Signature)</b> 	
<b>Relinquished by: (Signature)</b> 		<b>Received for Laboratory by:</b> 	
		<b>Date/Time</b> <div style="font-size: 1.5em;">10/14/06 3:26</div>	
<b>TEMPERATURE</b> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin-right: 10px;">Ambient</div> <div style="margin: 0 10px;">or</div> <div style="margin: 0 10px;">Chilled</div> </div> <b>Notes:</b> <span style="font-size: 1.5em;">22C</span>		<b>PROPERLY PRESERVED</b> <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin-right: 10px;">Y</div> <div>N</div> </div> <b>Notes:</b> _____	
		<b>RECEIVED WITHIN HOLDING TIMES</b> <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin-right: 10px;">Y</div> <div>N</div> </div> <b>Notes:</b> _____	

**WHITE - Lab Copy**

**YELLOW - Sampler Copy**

### PINK - Generator Conv

Adirondack Environmental Services, Inc.



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## **TERMS, CONDITIONS & LIMITATIONS**

All Services rendered by **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

- (a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.
- (b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed as irrevocably waived.
- (c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.
- (d) In no event shall **Adirondack Environmental Services, Inc.**, its employees agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.
- (e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**
- (f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.



**Shaw Environmental & Infrastructure, Inc.**

## Data Usability Report

16406 U.S. Route 224 East • Findlay, Ohio 45840

Findlay Ohio Office – Federal Technical Services

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<b>PROJECT NUMBER:</b>	115215	<b>RECEIPT DATE:</b>	10/18/2006
<b>PROJECT MANAGER:</b>	Tom Mathison	<b>LABORATORY SDG:</b>	AEL-061018045
<b>PROJECT NAME:</b>	USACE-Schenectady		

---

The Findlay Ohio Applied Sciences Group has performed a QA evaluation of the data report from Adirondack Environmental Laboratories, Inc. (AEL) in Albany, NY. The results are for samples collected at the Former Schenectady Army Depot (AOC 2), Voorheesville Area, New York by on-site Shaw E & I personnel. The samples were analyzed for the parameters listed in the Sample Summary Table.

Sample Summary Table			
Sample Number	Collection Date	Matrix	Analysis Requested
EX-AOI5-001B, EX-AOI5-002B EX-AOI5-003B, EX-AOI5-004B EX-AOI5-005B, EX-AOI5-006B EX-AOI5-007B, EX-AOI5-008B EX-AOI5-010B, EX-AOI5-012	10/18/2006	Soil	Select Target Metals SW-6010B

All samples were received at the laboratory intact and sample analyses were performed within the required holding times. The cooler was submitted with chain-of-custody forms and the samples were delivered on ice to the laboratory within one hour of packaging. Thus, the internal cooler temperature of 17 degrees C has no bearing on data usability. The laboratory provided faxed preliminary data within the specified turn around time and submitted a hard copy Level II report at a later date. The following describes the overall QA/QC indicators.

## Select Metals Analysis in Soil by SW6010B

The laboratory data package does not provide instrument calibration data. However, based upon the Case Narrative the reviewer has assumed that the ICP was calibrated for the target analytes in accordance with method requirements. This particular set of samples was submitted for determination of three metals-aluminum, iron, and nickel.

**Method Blanks:** The method blank results are below reporting limits for all reported analytes.


**LCS:** The LCS recoveries are within laboratory acceptance criteria for the target analytes. It should be noted that recovery of Iron (51.7%) is below the method specified 80-120% range. This analyte has a TAGM 4046 limit significantly above the reporting limit and therefore no affect of data usability or qualification is warranted.


**MS/MSD:** The MS recoveries and duplicate precision, using the submitted sample, are within acceptance limits for all analytes with native concentrations less than 4X the spike level. Two of the selected analytes (aluminum and iron) were present at large concentrations in the unspiked sample rendering the QC Matrix data invalid.

Reported results should be utilized with confidence

### Summary of Analysis

The overall Quality Control data provided in the laboratory report is representative of adequate method accuracy and precision with regard to project objectives. The reported data should be utilized, without reservation, in the intended project decision-making process.

  
Guy Gallelo, Jr.-Project Chemist

  
Date



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(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

October 19, 2006

Guy Gallelo  
Shaw Environmental & Infrastructure  
16406 US Route 224 East  
Findlay, OH 45840

Work Order No: 061018045

TEL: (419) 425-6080

FAX: (419) 425-6085

RE: Army Depot  
Schenectady Army Depot

Dear Guy Gallelo:

Adirondack Environmental Services, Inc received 10 samples on 10/18/2006 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Christopher Hess  
QA Manager

ELAP#: 10709  
AIHA#: 100307

Guy Gallelo - FAX

---

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

T - Tentitively Identified Compound-Estimated Conc.

E - Value above quantitation range

**Adirondack Environmental Services, Inc**

Date: 19-Oct-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 061018045  
**Project:** Army Depot  
**PO#:**

**Client Sample ID:** EX-AOI5-001B  
**Collection Date:** 10/18/2006  
**Lab Sample ID:** 061018045-001  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS SW6010B</b>						Analyst: <b>SM</b>
( Prep: SW3050A - 10/19/2006 )						
Aluminum	10200	60.2		µg/g-dry	10	10/19/2006 4:58:00 PM
Iron	21500	30.1		µg/g-dry	10	10/19/2006 4:58:00 PM
Nickel	7.02	3.01		µg/g-dry	1	10/19/2006 3:37:00 PM
<b>MOISURE CONTENT D2216</b>						Analyst: <b>PL</b>
Percent Moisture	16.9	1.0		wt%	1	10/19/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentitively Identified Compound-Estimated Conc.  
E - Value above quantitation range

**Adirondack Environmental Services, Inc**

Date: 19-Oct-06

**CLIENT:** Shaw Environmental & Infrastructure**Client Sample ID:** EX-AOI5-002B**Work Order:** 061018045**Collection Date:** 10/18/2006**Project:** Army Depot**Lab Sample ID:** 061018045-002**PO#:****Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS SW6010B</b>						Analyst: SM
( Prep: SW3050A - 10/19/2006 )						
Aluminum	10300	57.1		µg/g-dry	10	10/19/2006 5:07:00 PM
Iron	22000	28.6		µg/g-dry	10	10/19/2006 5:07:00 PM
Nickel	4.92	2.86		µg/g-dry	1	10/19/2006 3:46:00 PM
<b>MOISURE CONTENT D2216</b>						Analyst: PL
Percent Moisture	12.5	1.0		wt%	1	10/19/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentitively Identified Compound-Estimated Conc.  
E - Value above quantitation range



**Adirondack Environmental Services, Inc**

Date: 19-Oct-06

**CLIENT:** Shaw Environmental & Infrastructure**Client Sample ID:** EX-AOI5-003B**Work Order:** 061018045**Collection Date:** 10/18/2006**Project:** Army Depot**Lab Sample ID:** 061018045-003**PO#:****Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS SW6010B</b>						Analyst: <b>SM</b>
( Prep: SW3050A - 10/19/2006 )						
Aluminum	24300	56.9		µg/g-dry	10	10/19/2006 5:15:00 PM
Iron	44700	28.4		µg/g-dry	10	10/19/2006 5:15:00 PM
Nickel	5.90	2.84		µg/g-dry	1	10/19/2006 3:50:00 PM
<b>MOISURE CONTENT D2216</b>						Analyst: <b>PL</b>
Percent Moisture	12.1	1.0		wt%	1	10/19/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentitively Identified Compound-Estimated Conc.  
E - Value above quantitation range

**Adirondack Environmental Services, Inc**

Date: 19-Oct-06

**CLIENT:** Shaw Environmental & Infrastructure**Client Sample ID:** EX-AOI5-004B**Work Order:** 061018045**Collection Date:** 10/18/2006**Project:** Army Depot**Lab Sample ID:** 061018045-004**PO#:****Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS SW6010B</b>						Analyst: <b>SM</b>
( Prep: SW3050A - 10/19/2006 )						
Aluminum	18900	54.4		µg/g-dry	10	10/19/2006 5:27:00 PM
Iron	30400	27.2		µg/g-dry	10	10/19/2006 5:27:00 PM
Nickel	13.1	2.72		µg/g-dry	1	10/19/2006 4:09:00 PM
<b>MOISURE CONTENT D2216</b>						Analyst: <b>PL</b>
Percent Moisture	8.1	1.0		wt%	1	10/19/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentitively Identified Compound-Estimated Conc.  
E - Value above quantitation range

**Adirondack Environmental Services, Inc**

Date: 19-Oct-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 061018045  
**Project:** Army Depot  
**PO#:**

**Client Sample ID:** EX-AOI5-005B  
**Collection Date:** 10/18/2006  
**Lab Sample ID:** 061018045-005  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS SW6010B</b>						Analyst: <b>SM</b>
( Prep: SW3050A - 10/19/2006 )						
Aluminum	16200	59.7		µg/g-dry	10	10/19/2006 5:36:00 PM
Iron	29400	29.8		µg/g-dry	10	10/19/2006 5:36:00 PM
Nickel	9.00	2.98		µg/g-dry	1	10/19/2006 4:13:00 PM
<b>MOISURE CONTENT D2216</b>						Analyst: <b>PL</b>
Percent Moisture	16.2	1.0		wt%	1	10/19/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentitively Identified Compound-Estimated Conc.  
E - Value above quantitation range

**Adirondack Environmental Services, Inc**

Date: 19-Oct-06

**CLIENT:** Shaw Environmental & Infrastructure**Client Sample ID:** EX-AOI5-006B**Work Order:** 061018045**Collection Date:** 10/18/2006**Project:** Army Depot**Lab Sample ID:** 061018045-006**PO#:****Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS SW6010B</b>						Analyst: SM
( Prep: SW3050A - 10/19/2006 )						
Aluminum	15500	56.4		µg/g-dry	10	10/19/2006 5:40:00 PM
Iron	30400	28.2		µg/g-dry	10	10/19/2006 5:40:00 PM
Nickel	8.10	2.82		µg/g-dry	1	10/19/2006 4:23:00 PM
<b>MOISURE CONTENT D2216</b>						Analyst: PL
Percent Moisture	11.3	1.0		wt%	1	10/19/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range

**Adirondack Environmental Services, Inc**

Date: 19-Oct-06

**CLIENT:** Shaw Environmental & Infrastructure**Client Sample ID:** EX-AOI5-007B**Work Order:** 061018045**Collection Date:** 10/18/2006**Project:** Army Depot**Lab Sample ID:** 061018045-007**PO#:****Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS SW6010B</b>						Analyst: <b>SM</b>
( Prep: SW3050A - 10/19/2006 )						
Aluminum	15800	56.3		µg/g-dry	10	10/19/2006 5:43:00 PM
Iron	29700	28.2		µg/g-dry	10	10/19/2006 5:43:00 PM
Nickel	6.69	2.82		µg/g-dry	1	10/19/2006 4:27:00 PM
<b>MOISURE CONTENT D2216</b>						Analyst: <b>PL</b>
Percent Moisture	11.2	1.0		wt%	1	10/19/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentitively Identified Compound-Estimated Conc.  
E - Value above quantitation range

**Adirondack Environmental Services, Inc**

Date: 19-Oct-06

CLIENT: Shaw Environmental &amp; Infrastructure

Client Sample ID: EX-AOI5-008B

Work Order: 061018045

Collection Date: 10/18/2006

Project: Army Depot

Lab Sample ID: 061018045-008

PO#:

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS SW6010B</b>						Analyst: SM
( Prep: SW3050A - 10/19/2006 )						
Aluminum	15800	57.1		µg/g-dry	10	10/19/2006 5:54:00 PM
Iron	31500	28.5		µg/g-dry	10	10/19/2006 5:54:00 PM
Nickel	5.07	2.85		µg/g-dry	1	10/19/2006 4:45:00 PM
<b>MOISURE CONTENT D2216</b>						Analyst: PL
Percent Moisture	12.4	1.0		wt%	1	10/19/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentitively Identified Compound-Estimated Conc.  
E - Value above quantitation range

**Adirondack Environmental Services, Inc**

Date: 19-Oct-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 061018045  
**Project:** Army Depot  
**PO#:**

**Client Sample ID:** EX-AOI5-010B  
**Collection Date:** 10/18/2006  
**Lab Sample ID:** 061018045-009  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS SW6010B**

Analyst: SM

( Prep: SW3050A - 10/19/2006 )

Aluminum	10300	57.9		µg/g-dry	10	10/19/2006 5:58:00 PM
Iron	18600	29.0		µg/g-dry	10	10/19/2006 5:58:00 PM
Nickel	< 2.90	2.90		µg/g-dry	1	10/19/2006 4:51:00 PM

**MOISURE CONTENT D2216**

Analyst: PL

Percent Moisture	13.7	1.0		wt%	1	10/19/2006
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**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentitively Identified Compound-Estimated Conc.  
E - Value above quantitation range

**Adirondack Environmental Services, Inc**

Date: 19-Oct-06

**CLIENT:** Shaw Environmental & Infrastructure  
**Work Order:** 061018045  
**Project:** Army Depot  
**PO#:**

**Client Sample ID:** EX-AOI5-012  
**Collection Date:** 10/18/2006  
**Lab Sample ID:** 061018045-010  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS SW6010B</b>						
( Prep: SW3050A - 10/19/2006 )						Analyst: <b>SM</b>
Aluminum	12600	57.3		µg/g-dry	10	10/19/2006 6:01:00 PM
Iron	26000	28.7		µg/g-dry	10	10/19/2006 6:01:00 PM
Nickel	7.59	2.87		µg/g-dry	1	10/19/2006 4:54:00 PM
<b>MOISURE CONTENT D2216</b>						
						Analyst: <b>PL</b>
Percent Moisture	12.8	1.0		wt%	1	10/19/2006

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentatively Identified Compound-Estimated Conc.  
E - Value above quantitation range





314 North Pearl Street  
Albany, New York 12207  
518-434-4546/434-0891 FAX

## CHAIN OF CUSTODY RECORD

Experience is the solution

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: <u>Shaw Environmental</u>		Address: <u>Findlay, Ohio</u>	
Send Report To: <u>Guy Giallardo</u>		Project Name (Location): <u>Schdy Army Depot</u>	Samplers: (Names): <u>M. Puglisi</u>
Client Phone No: <u>419-425-6080</u>	Client Fax No:	PO Number:	Samplers: (Signature): <u>[Signature]</u>

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type			Number of Cont's	Analysis Required
				Matrix	Comp	Grab		
001	EX-A0I5-001B	10-18-06	11:20	(A) S		X	1	metals - Ni, Fe, Al only
002	EX-A0I5-002B		11:30	(A) P			1	
003	EX-A0I5-003B (ms/msl)		11:35	(A) P			3	
004	EX-A0I5-004B		11:50	(A) P			1	
005	EX-A0I5-005B		11:55	(A) P			1	
006	EX-A0I5-006B		12:03	(A) P			1	
007	EX-A0I5-007B		12:10	(A) P			1	
008	EX-A0I5-008B		12:15	(A) P			1	
009	EX-A0I5-010B		12:24	(A) P			1	
010	EX-A0I5-012		12:00	(A) P			1	
				A				
				P				
				A				
				P				
				A				
				P				

AES Work Order #: <u>061018045</u>		CC Report To / Special Instructions/Remarks: <u>24 hr. TAT</u>	
Turnaround Time Request: <input checked="" type="checkbox"/> 1 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> Normal <input type="checkbox"/> 2 Day <input type="checkbox"/> 5 Day			
Relinquished by: (Signature) <u>[Signature]</u>	Received by: (Signature)	Date/Time	
Relinquished by: (Signature)	Received by: (Signature)	Date/Time	
Relinquished by: (Signature)	Received for Laboratory by: <u>[Signature]</u>	Date/Time <u>10/18/06 12:59</u>	
TEMPERATURE Ambient or <u>Chilled</u> <u>17°C</u>	PROPERLY PRESERVED <u>Y</u> <u>N</u>	RECEIVED WITHIN HOLDING TIMES <u>Y</u> <u>N</u>	
Notes:	Notes:	Notes:	

WHITE - Lab Copy

YELLOW - Sampler Copy

PINK - Generator Copy

Adirondack Environmental Services, Inc.



**Experience is the solution**

314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

## **TERMS, CONDITIONS & LIMITATIONS**

All Services rendered by **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

- (a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.
- (b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed as irrevocably waived.
- (c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.
- (d) In no event shall **Adirondack Environmental Services, Inc.**, its employees agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.
- (e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**
- (f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.