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MEMORANDUM

DATE: September 5, 2012

FROM: Mark Woodke, START-3 Chemist, E & E, Seattle, Washington MW

TO: Jeff Fetters, START-3 Project Manager, Seattle, Washington

SUBJ: **Organic Data Summary Check,**
Fourth Avenue and Gamble Parking Lot Site, Anchorage, Alaska

REF: TDD: 12-01-0004 PAN: 002233.0757.01SI

The data summary check of 20 soil samples collected from the Fourth Avenue and Gamble Parking Lot site located in Anchorage, Alaska, has been completed. Analyses for Volatile Organic Compounds (VOCs) were performed by Liberty Analytical Corporation, Cary, North Carolina.

The samples were numbered:

JRYY6	JRYY7	JRYY8	JRYY9	JRYZ0	JRYZ1
JRYZ2	JRYZ3	JRYZ4	JRYZ5	JRYZ6	JRYZ7
JRYZ8	JRYZ9	JRZ00	JRZ01	JRZ02	JRZ03
JRZ05	JRZ07				

No discrepancies were noted.

Acetone results in samples JRZ03 and JRZ05 were qualified as estimated quantities with a high bias (JH) based on associated trip blank results. Other positive sample results less than the Contract Required Quantitation Limit (CRQL) were not additionally qualified based on field blank results.

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 Sixth Avenue
Seattle, Washington 98101

Date: September 5, 2012

Reply to: Raymond Wu
Attn of: OEA-095

MEMORANDUM

Subject: Data Validation Report for the Volatile analyses of soil samples collected from the 4th Avenue Gambell Parking Lot Site
Case Number: 42677 SDG: JRYY6

From: Raymond Wu, QA Chemist 9/5/12
Office of Environmental Assessment (OEA - 095), USEPA Region 10

To: Brandon Perkins, EPA Task Order Project Officer
Office of Environmental Clean-up (ECL-112), USEPA Region 10

CC: Renee Nordeen, Project Manager
Ecology & Environment, Inc.

The quality assurance (QA) review of the analytical data generated from the analysis of twenty soil samples collected from the above referenced site has been completed. These samples were analyzed for VOC in accordance with the USEPA Contract Laboratory Program (CLP) Statement of Work (SOW) for Multi-Media, Multi-Concentration Organic Analyses (SOM01.2) by Liberty Analytical, located in Cary, North Carolina.

All sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic & Manual Process (S4VEM). The validations were conducted and appropriate qualifiers were applied according to the Quality Control Specifications outlined in the Quality Assurance Project Plan for 4th Avenue Gambell Parking Lot Site (in Anchorage, AK) dated June 2012, the technical specifications of USEPA CLP SOW for Organic Data Review, the Contract Laboratory Program's National Functional Guidelines for Organic Data Review and the Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use (EPA-540-R08-005). Some of the data quality elements were qualified based on the professional judgment of the reviewer.

A summary of samples evaluated in this validation report and the pertinent dates for sample collection, sample receipt at the laboratory, extraction, and analyses is attached along with the validated data.

The conclusions presented herein are based on the information provided for the review.

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I. QUALITY CONTROL RESULTS SUMMARY

Volatile Organic VOA Analysis		
Quality Control Test	Outliers?	Evaluation Criteria
Blanks	Y*	Non-detect or < 5X Blank†
Initial Calibration	Y*	RRF < 0.05 or ≤ 30% RSD
Continuing Calibration Verification	Y*	RRF < 0.05 or Open: ≤ 25% D, Close: ≤ 50% D
	Y*	Not run in appropriate frequency
Deuterated Monitoring Compounds	Y*	Varies by Compound
Internal Standards	Y*	50 – 200% of 12-hour standard

*See the Manual/Electronic Data Review Results section below for outliers and qualification of affected data.
†10X Blank for solvents & 5X for TCLs.
(Note: RRF = Relative Response Factor, RSD = Relative Standard Deviation, D = Difference)

II. DATA QUALIFICATIONS

Summary of Validation Qualifiers Applied:

Please find them in the "Sample Summary Report Section" of this report.

Data Qualifiers

The following is a list of validation qualifiers applied to the sample result(s) when needed to indicate associated out-of-control QA/QC results.

Data Qualifiers		
	U	The analyte was not detected at or above the reported result.
	J	The analyte was positively identified. The associated numerical result is an estimate.
	UJ	The analyte was not detected at or above the reported estimated result. The associated numerical value is an estimate of the quantitation limit of the analyte in this sample.
	R	The data are unusable for all purposes.
	N	There is evidence the analyte is present in this sample.
	JN	There is evidence that the analyte is present. The associated numerical result is an estimate.

For site assessment and investigations, the following bias qualifiers are applied to the data in addition to the above data qualifiers when necessary to allow for data analysis and interpretation using Pre-Score software calculations for National Priority Listing Hazard Rankling Scoring (NPL-HRS).

Bias Qualifiers		
	L	Low bias.
	H	High bias.
	Q	The result is estimated because the concentration is below the Contract Required Quantitation Limits (CRQLs).
	K	Unknown Bias

Attachments:

Sample Summary Report
Analytical Sample Listing (Report #6)

Sample Summary Report

Case No:	42677	Contract:	EPWI1032	SDG No:	JRYY6	Lab Code:	LIBRTY
Sample Number:	JRYY6	Method:	VOA_Low_Med	Matrix:	Soil	MA Number:	DEFAULT
Sample Location:	12284630	pH:		Sample Date:	07122012	Sample Time:	08:35:00
% Moisture :	3.18			% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	4.3	ug/kg	1.0	U	U	Yes	S4VEM
Chloromethane	4.3	ug/kg	1.0	U	U	Yes	S4VEM
Vinyl chloride	4.3	ug/kg	1.0	U	U	Yes	S4VEM
Bromomethane	4.3	ug/kg	1.0	U	U	Yes	S4VEM
Chloroethane	4.3	ug/kg	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	4.3	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	4.3	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	4.3	ug/kg	1.0	U	U	Yes	S4VEM
Acetone	8.7	ug/kg	1.0	J	U	Yes	S4VEM
Carbon Disulfide	4.3	ug/kg	1.0	U	U	Yes	S4VEM
Methyl acetate	4.3	ug/kg	1.0	U	U	Yes	S4VEM
Methylene chloride	4.3	ug/kg	1.0	U	U	Yes	S4VEM
trans-1,2-Dichloroethene	4.3	ug/kg	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	4.3	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	4.3	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	4.3	ug/kg	1.0	U	U	Yes	S4VEM
2-Butanone	8.7	ug/kg	1.0	U	U	Yes	S4VEM
Bromochloromet hane	4.3	ug/kg	1.0	U	U	Yes	S4VEM
Chloroform	4.3	ug/kg	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	4.3	ug/kg	1.0	U	U	Yes	S4VEM
Cyclohexane	4.3	ug/kg	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	4.3	ug/kg	1.0	U	U	Yes	S4VEM
Benzene	4.3	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	4.3	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dioxane	87	ug/kg	1.0	U	R	No	S4VEM
Trichloroethene	4.3	ug/kg	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Methylcyclohexane	4.3	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	4.3	ug/kg	1.0	U	U	Yes	S4VEM
Bromodichloromethane	4.3	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	4.3	ug/kg	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	8.7	ug/kg	1.0	U	U	Yes	S4VEM
Toluene	0.87	ug/kg	1.0	J	JQ	Yes	S4VEM
trans-1,3-Dichloropropene	4.3	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	4.3	ug/kg	1.0	U	U	Yes	S4VEM
Tetrachloroethene	0.50	ug/kg	1.0	J	JQ	Yes	S4VEM
2-Hexanone	8.7	ug/kg	1.0	U	U	Yes	S4VEM
Dibromochloromethane	4.3	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	4.3	ug/kg	1.0	U	U	Yes	S4VEM
Chlorobenzene	4.3	ug/kg	1.0	U	U	Yes	S4VEM
Ethylbenzene	4.3	ug/kg	1.0	U	U	Yes	S4VEM
o-Xylene	4.3	ug/kg	1.0	U	U	Yes	S4VEM
m,p-Xylene	4.3	ug/kg	1.0	U	U	Yes	S4VEM
Styrene	4.3	ug/kg	1.0	U	U	Yes	S4VEM
Bromoform	4.3	ug/kg	1.0	U	U	Yes	S4VEM
Isopropylbenzene	4.3	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	4.3	ug/kg	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	4.3	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	4.3	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	4.3	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	4.3	ug/kg	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	4.3	ug/kg	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	4.3	ug/kg	1.0	U	U	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRYY6	Lab Code: LIBRTY
Sample Number: JRYY7	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: 12284631	pH:	Sample Date: 07122012	Sample Time: 08:53:00
% Moisture : 3.69		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	4.5	ug/kg	1.0	U	U	Yes	S4VEM
Chloromethane	4.5	ug/kg	1.0	U	U	Yes	S4VEM
Vinyl chloride	4.5	ug/kg	1.0	U	U	Yes	S4VEM
Bromomethane	4.5	ug/kg	1.0	U	U	Yes	S4VEM
Chloroethane	4.5	ug/kg	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	4.5	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	4.5	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	4.5	ug/kg	1.0	U	U	Yes	S4VEM
Acetone	8.9	ug/kg	1.0	J	U	Yes	S4VEM
Carbon Disulfide	4.5	ug/kg	1.0	U	U	Yes	S4VEM
Methyl acetate	4.5	ug/kg	1.0	U	U	Yes	S4VEM
Methylene chloride	4.5	ug/kg	1.0	JB	U	Yes	S4VEM
trans-1,2-Dichloroethene	4.5	ug/kg	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	4.5	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	4.5	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	4.5	ug/kg	1.0	U	U	Yes	S4VEM
2-Butanone	8.9	ug/kg	1.0	U	U	Yes	S4VEM
Bromochloromet hane	4.5	ug/kg	1.0	U	U	Yes	S4VEM
Chloroform	4.5	ug/kg	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	4.5	ug/kg	1.0	U	U	Yes	S4VEM
Cyclohexane	4.5	ug/kg	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	4.5	ug/kg	1.0	U	U	Yes	S4VEM
Benzene	4.5	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	4.5	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dioxane	89	ug/kg	1.0	U	R	No	S4VEM
Trichloroethene	4.5	ug/kg	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	4.5	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	4.5	ug/kg	1.0	U	U	Yes	S4VEM
Bromodichlorom	4.5	ug/kg	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	4.5	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	4.5	ug/kg	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	8.9	ug/kg	1.0	U	U	Yes	S4VEM
Toluene	0.76	ug/kg	1.0	J	JQ	Yes	S4VEM
trans-1,3-Dichloropropene	4.5	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	4.5	ug/kg	1.0	U	U	Yes	S4VEM
Tetrachloroethene	0.57	ug/kg	1.0	J	JQ	Yes	S4VEM
2-Hexanone	8.9	ug/kg	1.0	U	U	Yes	S4VEM
Dibromochloromethane	4.5	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	4.5	ug/kg	1.0	U	U	Yes	S4VEM
Chlorobenzene	4.5	ug/kg	1.0	U	U	Yes	S4VEM
Ethylbenzene	4.5	ug/kg	1.0	U	U	Yes	S4VEM
o-Xylene	4.5	ug/kg	1.0	U	U	Yes	S4VEM
m,p-Xylene	4.5	ug/kg	1.0	U	U	Yes	S4VEM
Styrene	4.5	ug/kg	1.0	U	U	Yes	S4VEM
Bromoform	4.5	ug/kg	1.0	U	U	Yes	S4VEM
Isopropylbenzene	4.5	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	4.5	ug/kg	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	4.5	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	4.5	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	4.5	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	4.5	ug/kg	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	4.5	ug/kg	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	4.5	ug/kg	1.0	U	U	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRYY6	Lab Code: LIBRTY
Sample Number: JRYY8	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: 12284632	pH:	Sample Date: 07122012	Sample Time: 08:59:00
% Moisture : 6.68		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	6.2	ug/kg	1.0	U	U	Yes	S4VEM
Chloromethane	6.2	ug/kg	1.0	U	U	Yes	S4VEM
Vinyl chloride	6.2	ug/kg	1.0	U	U	Yes	S4VEM
Bromomethane	6.2	ug/kg	1.0	U	U	Yes	S4VEM
Chloroethane	6.2	ug/kg	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	6.2	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1-Dichloroethene	6.2	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	6.2	ug/kg	1.0	U	UJK	Yes	S4VEM
Acetone	24	ug/kg	1.0		U	Yes	S4VEM
Carbon Disulfide	6.2	ug/kg	1.0	U	U	Yes	S4VEM
Methyl acetate	6.2	ug/kg	1.0	U	UJK	Yes	S4VEM
Methylene chloride	6.2	ug/kg	1.0	JB	U	Yes	S4VEM
trans-1,2-Dichloroethene	6.2	ug/kg	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	6.2	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1-Dichloroethane	6.2	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	6.2	ug/kg	1.0	U	U	Yes	S4VEM
2-Butanone	12	ug/kg	1.0	U	U	Yes	S4VEM
Bromochloromet hane	6.2	ug/kg	1.0	U	U	Yes	S4VEM
Chloroform	6.2	ug/kg	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	6.2	ug/kg	1.0	U	UJK	Yes	S4VEM
Cyclohexane	6.2	ug/kg	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	6.2	ug/kg	1.0	U	UJK	Yes	S4VEM
Benzene	6.2	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	6.2	ug/kg	1.0	U	UJK	Yes	S4VEM
1,4-Dioxane	120	ug/kg	1.0	U	R	No	S4VEM
Trichloroethene	6.2	ug/kg	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	6.2	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	6.2	ug/kg	1.0	U	U	Yes	S4VEM
Bromodichlorom	6.2	ug/kg	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	6.2	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	6.2	ug/kg	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	12	ug/kg	1.0	U	U	Yes	S4VEM
Toluene	10	ug/kg	1.0			Yes	S4VEM
trans-1,3-Dichloropropene	6.2	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	6.2	ug/kg	1.0	U	U	Yes	S4VEM
Tetrachloroethene	180	ug/kg	1.0			Yes	S4VEM
2-Hexanone	12	ug/kg	1.0	U	U	Yes	S4VEM
Dibromochloromethane	6.2	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	6.2	ug/kg	1.0	U	UJK	Yes	S4VEM
Chlorobenzene	6.2	ug/kg	1.0	U	U	Yes	S4VEM
Ethylbenzene	6.2	ug/kg	1.0	U	U	Yes	S4VEM
o-Xylene	6.2	ug/kg	1.0	U	U	Yes	S4VEM
m,p-Xylene	6.2	ug/kg	1.0	U	U	Yes	S4VEM
Styrene	6.2	ug/kg	1.0	U	U	Yes	S4VEM
Bromoform	6.2	ug/kg	1.0	U	U	Yes	S4VEM
Isopropylbenzene	6.2	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	6.2	ug/kg	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	6.2	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	6.2	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	6.2	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	6.2	ug/kg	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	6.2	ug/kg	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	6.2	ug/kg	1.0	U	U	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRYY6	Lab Code: LIBRTY
Sample Number: JRYY9	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: 12284633	pH:	Sample Date: 07122012	Sample Time: 09:04:00
% Moisture : 4.14		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Chloromethane	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Vinyl chloride	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Bromomethane	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Chloroethane	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	6.0	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	6.0	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Acetone	12	ug/kg	1.0		U	Yes	S4VEM
Carbon Disulfide	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Methyl acetate	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Methylene chloride	6.0	ug/kg	1.0	JB	U	Yes	S4VEM
trans-1,2-Dichloroethene	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	6.0	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	6.0	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	6.0	ug/kg	1.0	U	U	Yes	S4VEM
2-Butanone	12	ug/kg	1.0	U	U	Yes	S4VEM
Bromochloromet hane	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Chloroform	6.0	ug/kg	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Cyclohexane	0.55	ug/kg	1.0	J	JQ	Yes	S4VEM
Carbon tetrachloride	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Benzene	6.0	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2-Dichloroethane	6.0	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dioxane	120	ug/kg	1.0	U	R	No	S4VEM
Trichloroethene	6.0	ug/kg	1.0	U	UJK	Yes	S4VEM
Methylcyclohexa ne	6.0	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2-Dichloropropane	6.0	ug/kg	1.0	U	UJK	Yes	S4VEM
Bromodichlorom	6.0	ug/kg	1.0	U	UJK	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	6.0	ug/kg	1.0	U	UJK	Yes	S4VEM
cis-1,3-Dichloropropene	6.0	ug/kg	1.0	U	UJK	Yes	S4VEM
4-Methyl-2-pentanone	12	ug/kg	1.0	U	U	Yes	S4VEM
Toluene	3.9	ug/kg	1.0	J	JQ	Yes	S4VEM
trans-1,3-Dichloropropene	6.0	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1,2-Trichloroethane	6.0	ug/kg	1.0	U	UJK	Yes	S4VEM
Tetrachloroethene	800	ug/kg	1.0	E	JK	Yes	S4VEM
2-Hexanone	12	ug/kg	1.0	U	U	Yes	S4VEM
Dibromochloromethane	6.0	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Chlorobenzene	6.0	ug/kg	1.0	U	UJK	Yes	S4VEM
Ethylbenzene	6.0	ug/kg	1.0	U	UJK	Yes	S4VEM
o-Xylene	6.0	ug/kg	1.0	U	UJK	Yes	S4VEM
m,p-Xylene	6.0	ug/kg	1.0	U	UJK	Yes	S4VEM
Styrene	6.0	ug/kg	1.0	U	UJK	Yes	S4VEM
Bromoform	6.0	ug/kg	1.0	U	U	Yes	S4VEM
Isopropylbenzene	6.0	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1,2,2-Tetrachloroethane	6.0	ug/kg	1.0	U	UJK	Yes	S4VEM
1,3-Dichlorobenzene	6.0	ug/kg	1.0	U	UJK	Yes	S4VEM
1,4-Dichlorobenzene	6.0	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2-Dichlorobenzene	6.0	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2-Dibromo-3-chloropropane	6.0	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2,4-Trichlorobenzene	6.0	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2,3-Trichlorobenzene	6.0	ug/kg	1.0	U	UJK	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRYY6	Lab Code: LIBRTY
Sample Number: JRYY9ME	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location:	pH:	Sample Date: 07122012	Sample Time: 09:04:00
% Moisture : 4.14		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	250	ug/kg	1.0	U	R	No	S4VEM
Chloromethane	250	ug/kg	1.0	U	R	No	S4VEM
Vinyl chloride	250	ug/kg	1.0	U	R	No	S4VEM
Bromomethane	250	ug/kg	1.0	U	R	No	S4VEM
Chloroethane	250	ug/kg	1.0	U	R	No	S4VEM
Trichlorofluorom ethane	250	ug/kg	1.0	U	R	No	S4VEM
1,1-Dichloroethene	250	ug/kg	1.0	U	R	No	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	250	ug/kg	1.0	U	R	No	S4VEM
Acetone	490	ug/kg	1.0	JB	R	No	S4VEM
Carbon Disulfide	250	ug/kg	1.0	U	R	No	S4VEM
Methyl acetate	250	ug/kg	1.0	U	R	No	S4VEM
Methylene chloride	190	ug/kg	1.0	J	R	No	S4VEM
trans-1,2-Dichloroethene	250	ug/kg	1.0	U	R	No	S4VEM
Methyl tert-butyl ether	250	ug/kg	1.0	U	R	No	S4VEM
1,1-Dichloroethane	250	ug/kg	1.0	U	R	No	S4VEM
cis-1,2-Dichloroethene	250	ug/kg	1.0	U	R	No	S4VEM
2-Butanone	490	ug/kg	1.0	U	R	No	S4VEM
Bromochloromet hane	250	ug/kg	1.0	U	R	No	S4VEM
Chloroform	250	ug/kg	1.0	U	R	No	S4VEM
1,1,1-Trichloroethane	250	ug/kg	1.0	U	R	No	S4VEM
Cyclohexane	250	ug/kg	1.0	U	R	No	S4VEM
Carbon tetrachloride	250	ug/kg	1.0	U	R	No	S4VEM
Benzene	250	ug/kg	1.0	U	R	No	S4VEM
1,2-Dichloroethane	250	ug/kg	1.0	U	R	No	S4VEM
1,4-Dioxane	4900	ug/kg	1.0	U	R	No	S4VEM
Trichloroethene	250	ug/kg	1.0	U	R	No	S4VEM
Methylcyclohexa ne	250	ug/kg	1.0	U	R	No	S4VEM
1,2-Dichloropropane	250	ug/kg	1.0	U	R	No	S4VEM
Bromodichlorom	250	ug/kg	1.0	U	R	No	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	250	ug/kg	1.0	U	R	No	S4VEM
cis-1,3-Dichloropropene	250	ug/kg	1.0	U	R	No	S4VEM
4-Methyl-2-pentanone	490	ug/kg	1.0	U	R	No	S4VEM
Toluene	250	ug/kg	1.0	U	R	No	S4VEM
trans-1,3-Dichloropropene	250	ug/kg	1.0	U	R	No	S4VEM
1,1,2-Trichloroethane	250	ug/kg	1.0	U	R	No	S4VEM
Tetrachloroethene	250	ug/kg	1.0	U	R	No	S4VEM
2-Hexanone	490	ug/kg	1.0	U	R	No	S4VEM
Dibromochloromethane	250	ug/kg	1.0	U	R	No	S4VEM
1,2-Dibromoethane	250	ug/kg	1.0	U	R	No	S4VEM
Chlorobenzene	250	ug/kg	1.0	U	R	No	S4VEM
Ethylbenzene	250	ug/kg	1.0	U	R	No	S4VEM
o-Xylene	250	ug/kg	1.0	U	R	No	S4VEM
m,p-Xylene	250	ug/kg	1.0	U	R	No	S4VEM
Styrene	250	ug/kg	1.0	U	R	No	S4VEM
Bromoform	250	ug/kg	1.0	U	R	No	S4VEM
Isopropylbenzene	250	ug/kg	1.0	U	R	No	S4VEM
1,1,2,2-Tetrachloroethane	250	ug/kg	1.0	U	R	No	S4VEM
1,3-Dichlorobenzene	250	ug/kg	1.0	U	R	No	S4VEM
1,4-Dichlorobenzene	250	ug/kg	1.0	U	R	No	S4VEM
1,2-Dichlorobenzene	250	ug/kg	1.0	U	R	No	S4VEM
1,2-Dibromo-3-chloropropane	250	ug/kg	1.0	U	R	No	S4VEM
1,2,4-Trichlorobenzene	250	ug/kg	1.0	U	R	No	S4VEM
1,2,3-Trichlorobenzene	250	ug/kg	1.0	U	R	No	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRYY6	Lab Code: LIBRTY
Sample Number: JRYZ0	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: 12284634	pH:	Sample Date: 07122012	Sample Time: 09:12:00
% Moisture : 5.27		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	4.7	ug/kg	1.0	U	UJK	Yes	S4VEM
Chloromethane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Vinyl chloride	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Bromomethane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Chloroethane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	4.7	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1-Dichloroethene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Acetone	13	ug/kg	1.0	B	U	Yes	S4VEM
Carbon Disulfide	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Methyl acetate	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Methylene chloride	4.7	ug/kg	1.0	U	U	Yes	S4VEM
trans-1,2-Dichloroethene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	4.7	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
2-Butanone	9.5	ug/kg	1.0	U	U	Yes	S4VEM
Bromochloromet hane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Chloroform	4.7	ug/kg	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Cyclohexane	4.7	ug/kg	1.0	JB	U	Yes	S4VEM
Carbon tetrachloride	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Benzene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dioxane	95	ug/kg	1.0	U	R	No	S4VEM
Trichloroethene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	4.7	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Bromodichlorom	4.7	ug/kg	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	9.5	ug/kg	1.0	U	U	Yes	S4VEM
Toluene	0.60	ug/kg	1.0	J	JQ	Yes	S4VEM
trans-1,3-Dichloropropene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Tetrachloroethene	3.1	ug/kg	1.0	J	JQ	Yes	S4VEM
2-Hexanone	9.5	ug/kg	1.0	U	U	Yes	S4VEM
Dibromochloromethane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Chlorobenzene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Ethylbenzene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
o-Xylene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
m,p-Xylene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Styrene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Bromoform	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Isopropylbenzene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	4.7	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2-Dichlorobenzene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	4.7	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2,3-Trichlorobenzene	4.7	ug/kg	1.0	U	U	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRYY6	Lab Code: LIBRTY
Sample Number: JRYZ1	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: 12284635	pH:	Sample Date: 07122012	Sample Time: 09:20:00
% Moisture : 2.78		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.3	ug/kg	1.0	U	U	Yes	S4VEM
Chloromethane	5.3	ug/kg	1.0	U	U	Yes	S4VEM
Vinyl chloride	5.3	ug/kg	1.0	U	U	Yes	S4VEM
Bromomethane	5.3	ug/kg	1.0	U	U	Yes	S4VEM
Chloroethane	5.3	ug/kg	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	5.3	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	5.3	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.3	ug/kg	1.0	U	U	Yes	S4VEM
Acetone	29	ug/kg	1.0			Yes	S4VEM
Carbon Disulfide	5.3	ug/kg	1.0	U	U	Yes	S4VEM
Methyl acetate	5.3	ug/kg	1.0	U	U	Yes	S4VEM
Methylene chloride	5.3	ug/kg	1.0	JB	U	Yes	S4VEM
trans-1,2-Dichloroethene	5.3	ug/kg	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	5.3	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	5.3	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	5.3	ug/kg	1.0	U	U	Yes	S4VEM
2-Butanone	11	ug/kg	1.0	U	U	Yes	S4VEM
Bromochloromet hane	5.3	ug/kg	1.0	U	U	Yes	S4VEM
Chloroform	5.3	ug/kg	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	5.3	ug/kg	1.0	U	U	Yes	S4VEM
Cyclohexane	5.3	ug/kg	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	5.3	ug/kg	1.0	U	U	Yes	S4VEM
Benzene	5.3	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	5.3	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dioxane	110	ug/kg	1.0	U	R	No	S4VEM
Trichloroethene	5.3	ug/kg	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	5.3	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	5.3	ug/kg	1.0	U	U	Yes	S4VEM
Bromodichlorom	5.3	ug/kg	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5.3	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	5.3	ug/kg	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	11	ug/kg	1.0	U	U	Yes	S4VEM
Toluene	13	ug/kg	1.0			Yes	S4VEM
trans-1,3-Dichloropropene	5.3	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	5.3	ug/kg	1.0	U	U	Yes	S4VEM
Tetrachloroethene	620	ug/kg	1.0	E	JK	Yes	S4VEM
2-Hexanone	11	ug/kg	1.0	U	U	Yes	S4VEM
Dibromochloromethane	5.3	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	5.3	ug/kg	1.0	U	U	Yes	S4VEM
Chlorobenzene	5.3	ug/kg	1.0	U	UJK	Yes	S4VEM
Ethylbenzene	5.3	ug/kg	1.0	U	U	Yes	S4VEM
o-Xylene	5.3	ug/kg	1.0	U	U	Yes	S4VEM
m,p-Xylene	5.3	ug/kg	1.0	U	U	Yes	S4VEM
Styrene	5.3	ug/kg	1.0	U	U	Yes	S4VEM
Bromoform	5.3	ug/kg	1.0	U	U	Yes	S4VEM
Isopropylbenzene	5.3	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	5.3	ug/kg	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	5.3	ug/kg	1.0	U	UJK	Yes	S4VEM
1,4-Dichlorobenzene	5.3	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2-Dichlorobenzene	5.3	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.3	ug/kg	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	5.3	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2,3-Trichlorobenzene	5.3	ug/kg	1.0	U	UJK	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRYY6	Lab Code: LIBRTY
Sample Number: JRYZ1ME	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location:	pH:	Sample Date: 07122012	Sample Time: 09:20:00
% Moisture : 2.78		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	260	ug/kg	1.0	U	R	No	S4VEM
Chloromethane	260	ug/kg	1.0	U	R	No	S4VEM
Vinyl chloride	260	ug/kg	1.0	U	R	No	S4VEM
Bromomethane	260	ug/kg	1.0	U	R	No	S4VEM
Chloroethane	260	ug/kg	1.0	U	R	No	S4VEM
Trichlorofluorom ethane	260	ug/kg	1.0	U	R	No	S4VEM
1,1-Dichloroethene	260	ug/kg	1.0	U	R	No	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	260	ug/kg	1.0	U	R	No	S4VEM
Acetone	520	ug/kg	1.0	JB	R	No	S4VEM
Carbon Disulfide	260	ug/kg	1.0	U	R	No	S4VEM
Methyl acetate	260	ug/kg	1.0	U	R	No	S4VEM
Methylene chloride	210	ug/kg	1.0	J	R	No	S4VEM
trans-1,2-Dichloroethene	260	ug/kg	1.0	U	R	No	S4VEM
Methyl tert-butyl ether	260	ug/kg	1.0	U	R	No	S4VEM
1,1-Dichloroethane	260	ug/kg	1.0	U	R	No	S4VEM
cis-1,2-Dichloroethene	260	ug/kg	1.0	U	R	No	S4VEM
2-Butanone	520	ug/kg	1.0	U	R	No	S4VEM
Bromochloromet hane	260	ug/kg	1.0	U	R	No	S4VEM
Chloroform	260	ug/kg	1.0	U	R	No	S4VEM
1,1,1-Trichloroethane	260	ug/kg	1.0	U	R	No	S4VEM
Cyclohexane	260	ug/kg	1.0	U	R	No	S4VEM
Carbon tetrachloride	260	ug/kg	1.0	U	R	No	S4VEM
Benzene	260	ug/kg	1.0	U	R	No	S4VEM
1,2-Dichloroethane	260	ug/kg	1.0	U	R	No	S4VEM
1,4-Dioxane	5200	ug/kg	1.0	U	R	No	S4VEM
Trichloroethene	260	ug/kg	1.0	U	R	No	S4VEM
Methylcyclohexa ne	260	ug/kg	1.0	U	R	No	S4VEM
1,2-Dichloropropane	260	ug/kg	1.0	U	R	No	S4VEM
Bromodichlorom	260	ug/kg	1.0	U	R	No	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	260	ug/kg	1.0	U	R	No	S4VEM
cis-1,3-Dichloropropene	260	ug/kg	1.0	U	R	No	S4VEM
4-Methyl-2-pentanone	520	ug/kg	1.0	U	R	No	S4VEM
Toluene	260	ug/kg	1.0	U	R	No	S4VEM
trans-1,3-Dichloropropene	260	ug/kg	1.0	U	R	No	S4VEM
1,1,2-Trichloroethane	260	ug/kg	1.0	U	R	No	S4VEM
Tetrachloroethene	260	ug/kg	1.0	U	R	No	S4VEM
2-Hexanone	520	ug/kg	1.0	U	R	No	S4VEM
Dibromochloromethane	260	ug/kg	1.0	U	R	No	S4VEM
1,2-Dibromoethane	260	ug/kg	1.0	U	R	No	S4VEM
Chlorobenzene	260	ug/kg	1.0	U	R	No	S4VEM
Ethylbenzene	260	ug/kg	1.0	U	R	No	S4VEM
o-Xylene	260	ug/kg	1.0	U	R	No	S4VEM
m,p-Xylene	260	ug/kg	1.0	U	R	No	S4VEM
Styrene	260	ug/kg	1.0	U	R	No	S4VEM
Bromoform	260	ug/kg	1.0	U	R	No	S4VEM
Isopropylbenzene	260	ug/kg	1.0	U	R	No	S4VEM
1,1,2,2-Tetrachloroethane	260	ug/kg	1.0	U	R	No	S4VEM
1,3-Dichlorobenzene	260	ug/kg	1.0	U	R	No	S4VEM
1,4-Dichlorobenzene	260	ug/kg	1.0	U	R	No	S4VEM
1,2-Dichlorobenzene	260	ug/kg	1.0	U	R	No	S4VEM
1,2-Dibromo-3-chloropropane	260	ug/kg	1.0	U	R	No	S4VEM
1,2,4-Trichlorobenzene	260	ug/kg	1.0	U	R	No	S4VEM
1,2,3-Trichlorobenzene	260	ug/kg	1.0	U	R	No	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRYY6	Lab Code: LIBRTY
Sample Number: JRYZ2	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: 12284636	pH:	Sample Date: 07122012	Sample Time: 09:31:00
% Moisture : 3.08		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	4.6	ug/kg	1.0	U	U	Yes	S4VEM
Chloromethane	4.6	ug/kg	1.0	U	U	Yes	S4VEM
Vinyl chloride	4.6	ug/kg	1.0	U	U	Yes	S4VEM
Bromomethane	4.6	ug/kg	1.0	U	U	Yes	S4VEM
Chloroethane	4.6	ug/kg	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	4.6	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	4.6	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	4.6	ug/kg	1.0	U	U	Yes	S4VEM
Acetone	9.2	ug/kg	1.0	J	U	Yes	S4VEM
Carbon Disulfide	4.6	ug/kg	1.0	U	U	Yes	S4VEM
Methyl acetate	4.6	ug/kg	1.0	U	U	Yes	S4VEM
Methylene chloride	4.6	ug/kg	1.0	JB	U	Yes	S4VEM
trans-1,2-Dichloroethene	4.6	ug/kg	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	4.6	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	4.6	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	4.6	ug/kg	1.0	U	U	Yes	S4VEM
2-Butanone	9.2	ug/kg	1.0	U	U	Yes	S4VEM
Bromochloromet hane	4.6	ug/kg	1.0	U	U	Yes	S4VEM
Chloroform	4.6	ug/kg	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	4.6	ug/kg	1.0	U	U	Yes	S4VEM
Cyclohexane	4.6	ug/kg	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	4.6	ug/kg	1.0	U	U	Yes	S4VEM
Benzene	4.6	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	4.6	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dioxane	92	ug/kg	1.0	U	R	No	S4VEM
Trichloroethene	4.6	ug/kg	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	4.6	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	4.6	ug/kg	1.0	U	U	Yes	S4VEM
Bromodichlorom	4.6	ug/kg	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	4.6	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	4.6	ug/kg	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	9.2	ug/kg	1.0	U	U	Yes	S4VEM
Toluene	1.1	ug/kg	1.0	J	JQ	Yes	S4VEM
trans-1,3-Dichloropropene	4.6	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	4.6	ug/kg	1.0	U	U	Yes	S4VEM
Tetrachloroethene	8.9	ug/kg	1.0			Yes	S4VEM
2-Hexanone	9.2	ug/kg	1.0	U	U	Yes	S4VEM
Dibromochloromethane	4.6	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	4.6	ug/kg	1.0	U	U	Yes	S4VEM
Chlorobenzene	4.6	ug/kg	1.0	U	U	Yes	S4VEM
Ethylbenzene	4.6	ug/kg	1.0	U	U	Yes	S4VEM
o-Xylene	4.6	ug/kg	1.0	U	U	Yes	S4VEM
m,p-Xylene	4.6	ug/kg	1.0	U	U	Yes	S4VEM
Styrene	4.6	ug/kg	1.0	U	U	Yes	S4VEM
Bromoform	4.6	ug/kg	1.0	U	U	Yes	S4VEM
Isopropylbenzene	4.6	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	4.6	ug/kg	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	4.6	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	4.6	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	4.6	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	4.6	ug/kg	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	4.6	ug/kg	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	4.6	ug/kg	1.0	U	U	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRYY6	Lab Code: LIBRTY
Sample Number: JRYZ2RE	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location:	pH:	Sample Date: 07122012	Sample Time: 09:31:00
% Moisture : 3.08		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.1	ug/kg	1.0	U	R	No	S4VEM
Chloromethane	5.1	ug/kg	1.0	U	R	No	S4VEM
Vinyl chloride	5.1	ug/kg	1.0	U	R	No	S4VEM
Bromomethane	5.1	ug/kg	1.0	U	R	No	S4VEM
Chloroethane	5.1	ug/kg	1.0	U	R	No	S4VEM
Trichlorofluorom ethane	5.1	ug/kg	1.0	U	R	No	S4VEM
1,1-Dichloroethene	5.1	ug/kg	1.0	U	R	No	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.1	ug/kg	1.0	U	R	No	S4VEM
Acetone	10	ug/kg	1.0	B	R	No	S4VEM
Carbon Disulfide	5.1	ug/kg	1.0	U	R	No	S4VEM
Methyl acetate	5.1	ug/kg	1.0	U	R	No	S4VEM
Methylene chloride	5.1	ug/kg	1.0	U	R	No	S4VEM
trans-1,2-Dichloroethene	5.1	ug/kg	1.0	U	R	No	S4VEM
Methyl tert-butyl ether	5.1	ug/kg	1.0	U	R	No	S4VEM
1,1-Dichloroethane	5.1	ug/kg	1.0	U	R	No	S4VEM
cis-1,2-Dichloroethene	5.1	ug/kg	1.0	U	R	No	S4VEM
2-Butanone	10	ug/kg	1.0	U	R	No	S4VEM
Bromochloromet hane	5.1	ug/kg	1.0	U	R	No	S4VEM
Chloroform	5.1	ug/kg	1.0	U	R	No	S4VEM
1,1,1-Trichloroethane	5.1	ug/kg	1.0	U	R	No	S4VEM
Cyclohexane	5.1	ug/kg	1.0	JB	R	No	S4VEM
Carbon tetrachloride	5.1	ug/kg	1.0	U	R	No	S4VEM
Benzene	5.1	ug/kg	1.0	U	R	No	S4VEM
1,2-Dichloroethane	5.1	ug/kg	1.0	U	R	No	S4VEM
1,4-Dioxane	100	ug/kg	1.0	U	R	No	S4VEM
Trichloroethene	5.1	ug/kg	1.0	U	R	No	S4VEM
Methylcyclohexa ne	5.1	ug/kg	1.0	U	R	No	S4VEM
1,2-Dichloropropane	5.1	ug/kg	1.0	U	R	No	S4VEM
Bromodichlorom	5.1	ug/kg	1.0	U	R	No	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5.1	ug/kg	1.0	U	R	No	S4VEM
cis-1,3-Dichloropropene	5.1	ug/kg	1.0	U	R	No	S4VEM
4-Methyl-2-pentanone	10	ug/kg	1.0	U	R	No	S4VEM
Toluene	0.60	ug/kg	1.0	J	R	No	S4VEM
trans-1,3-Dichloropropene	5.1	ug/kg	1.0	U	R	No	S4VEM
1,1,2-Trichloroethane	5.1	ug/kg	1.0	U	R	No	S4VEM
Tetrachloroethene	4.3	ug/kg	1.0	J	R	No	S4VEM
2-Hexanone	10	ug/kg	1.0	U	R	No	S4VEM
Dibromochloromethane	5.1	ug/kg	1.0	U	R	No	S4VEM
1,2-Dibromoethane	5.1	ug/kg	1.0	U	R	No	S4VEM
Chlorobenzene	5.1	ug/kg	1.0	U	R	No	S4VEM
Ethylbenzene	5.1	ug/kg	1.0	U	R	No	S4VEM
o-Xylene	5.1	ug/kg	1.0	U	R	No	S4VEM
m,p-Xylene	5.1	ug/kg	1.0	U	R	No	S4VEM
Styrene	5.1	ug/kg	1.0	U	R	No	S4VEM
Bromoform	5.1	ug/kg	1.0	U	R	No	S4VEM
Isopropylbenzene	5.1	ug/kg	1.0	U	R	No	S4VEM
1,1,2,2-Tetrachloroethane	5.1	ug/kg	1.0	U	R	No	S4VEM
1,3-Dichlorobenzene	5.1	ug/kg	1.0	U	R	No	S4VEM
1,4-Dichlorobenzene	5.1	ug/kg	1.0	U	R	No	S4VEM
1,2-Dichlorobenzene	5.1	ug/kg	1.0	U	R	No	S4VEM
1,2-Dibromo-3-chloropropane	5.1	ug/kg	1.0	U	R	No	S4VEM
1,2,4-Trichlorobenzene	5.1	ug/kg	1.0	U	R	No	S4VEM
1,2,3-Trichlorobenzene	5.1	ug/kg	1.0	U	R	No	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRYY6	Lab Code: LIBRTY
Sample Number: JRYZ3	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: 12284637	pH:	Sample Date: 07122012	Sample Time: 09:36:00
% Moisture : 2.89		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.5	ug/kg	1.0	U	UJK	Yes	S4VEM
Chloromethane	5.5	ug/kg	1.0	U	U	Yes	S4VEM
Vinyl chloride	5.5	ug/kg	1.0	U	U	Yes	S4VEM
Bromomethane	5.5	ug/kg	1.0	U	U	Yes	S4VEM
Chloroethane	5.5	ug/kg	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	5.5	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1-Dichloroethene	5.5	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.5	ug/kg	1.0	U	U	Yes	S4VEM
Acetone	11	ug/kg	1.0	B	U	Yes	S4VEM
Carbon Disulfide	5.5	ug/kg	1.0	U	U	Yes	S4VEM
Methyl acetate	5.5	ug/kg	1.0	U	U	Yes	S4VEM
Methylene chloride	0.72	ug/kg	1.0	J	JQ	Yes	S4VEM
trans-1,2-Dichloroethene	5.5	ug/kg	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	5.5	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	5.5	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	5.5	ug/kg	1.0	U	U	Yes	S4VEM
2-Butanone	11	ug/kg	1.0	U	U	Yes	S4VEM
Bromochloromet hane	5.5	ug/kg	1.0	U	U	Yes	S4VEM
Chloroform	5.5	ug/kg	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	5.5	ug/kg	1.0	U	U	Yes	S4VEM
Cyclohexane	5.5	ug/kg	1.0	JB	U	Yes	S4VEM
Carbon tetrachloride	5.5	ug/kg	1.0	U	U	Yes	S4VEM
Benzene	5.5	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	5.5	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dioxane	110	ug/kg	1.0	U	R	No	S4VEM
Trichloroethene	5.5	ug/kg	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	5.5	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	5.5	ug/kg	1.0	U	U	Yes	S4VEM
Bromodichlorom	5.5	ug/kg	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5.5	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	5.5	ug/kg	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	11	ug/kg	1.0	U	U	Yes	S4VEM
Toluene	0.61	ug/kg	1.0	J	JQ	Yes	S4VEM
trans-1,3-Dichloropropene	5.5	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	5.5	ug/kg	1.0	U	U	Yes	S4VEM
Tetrachloroethene	5.5	ug/kg	1.0			Yes	S4VEM
2-Hexanone	11	ug/kg	1.0	U	U	Yes	S4VEM
Dibromochloromethane	5.5	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	5.5	ug/kg	1.0	U	U	Yes	S4VEM
Chlorobenzene	5.5	ug/kg	1.0	U	U	Yes	S4VEM
Ethylbenzene	5.5	ug/kg	1.0	U	U	Yes	S4VEM
o-Xylene	5.5	ug/kg	1.0	U	U	Yes	S4VEM
m,p-Xylene	5.5	ug/kg	1.0	U	U	Yes	S4VEM
Styrene	5.5	ug/kg	1.0	U	U	Yes	S4VEM
Bromoform	5.5	ug/kg	1.0	U	U	Yes	S4VEM
Isopropylbenzene	5.5	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	5.5	ug/kg	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	5.5	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	5.5	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2-Dichlorobenzene	5.5	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.5	ug/kg	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	5.5	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2,3-Trichlorobenzene	5.5	ug/kg	1.0	U	U	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRYY6	Lab Code: LIBRTY
Sample Number: JRYZ4	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: 12284638	pH:	Sample Date: 07122012	Sample Time: 09:47:00
% Moisture : 11.67		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
Chloromethane	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
Vinyl chloride	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
Bromomethane	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
Chloroethane	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
Trichlorofluorom ethane	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1-Dichloroethene	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
Acetone	9.8	ug/kg	1.0	U	UJK	Yes	S4VEM
Carbon Disulfide	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
Methyl acetate	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
Methylene chloride	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
trans-1,2-Dichloroethene	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
Methyl tert-butyl ether	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1-Dichloroethane	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
cis-1,2-Dichloroethene	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
2-Butanone	9.8	ug/kg	1.0	U	UJK	Yes	S4VEM
Bromochloromet hane	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
Chloroform	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1,1-Trichloroethane	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
Cyclohexane	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
Carbon tetrachloride	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
Benzene	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2-Dichloroethane	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
1,4-Dioxane	98	ug/kg	1.0	U	UJK	No	S4VEM
Trichloroethene	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
Methylcyclohexa ne	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2-Dichloropropane	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
Bromodichlorom	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
cis-1,3-Dichloropropene	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
4-Methyl-2-pentanone	9.8	ug/kg	1.0	U	UJK	Yes	S4VEM
Toluene	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
trans-1,3-Dichloropropene	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1,2-Trichloroethane	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
Tetrachloroethene	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
2-Hexanone	9.8	ug/kg	1.0	U	UJK	Yes	S4VEM
Dibromochloromethane	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2-Dibromoethane	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
Chlorobenzene	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
Ethylbenzene	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
o-Xylene	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
m,p-Xylene	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
Styrene	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
Bromoform	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
Isopropylbenzene	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1,2,2-Tetrachloroethane	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
1,3-Dichlorobenzene	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
1,4-Dichlorobenzene	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2-Dichlorobenzene	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2-Dibromo-3-chloropropane	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2,4-Trichlorobenzene	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2,3-Trichlorobenzene	4.9	ug/kg	1.0	U	UJK	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRYY6	Lab Code: LIBRTY
Sample Number: JRYZ5	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: 12284639	pH:	Sample Date: 07122012	Sample Time: 10:02:00
% Moisture : 16.13		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	4.9	ug/kg	1.0	U	U	Yes	S4VEM
Chloromethane	4.9	ug/kg	1.0	U	U	Yes	S4VEM
Vinyl chloride	4.9	ug/kg	1.0	U	U	Yes	S4VEM
Bromomethane	4.9	ug/kg	1.0	U	U	Yes	S4VEM
Chloroethane	4.9	ug/kg	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	4.9	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	4.9	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	4.9	ug/kg	1.0	U	U	Yes	S4VEM
Acetone	9.8	ug/kg	1.0	J	U	Yes	S4VEM
Carbon Disulfide	4.9	ug/kg	1.0	U	U	Yes	S4VEM
Methyl acetate	4.9	ug/kg	1.0	U	U	Yes	S4VEM
Methylene chloride	4.9	ug/kg	1.0	JB	U	Yes	S4VEM
trans-1,2-Dichloroethene	4.9	ug/kg	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	4.9	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	4.9	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	4.9	ug/kg	1.0	U	U	Yes	S4VEM
2-Butanone	9.8	ug/kg	1.0	U	U	Yes	S4VEM
Bromochloromet hane	4.9	ug/kg	1.0	U	U	Yes	S4VEM
Chloroform	4.9	ug/kg	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	4.9	ug/kg	1.0	U	U	Yes	S4VEM
Cyclohexane	4.9	ug/kg	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	4.9	ug/kg	1.0	U	U	Yes	S4VEM
Benzene	4.9	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	4.9	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dioxane	98	ug/kg	1.0	U	R	No	S4VEM
Trichloroethene	4.9	ug/kg	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	4.9	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	4.9	ug/kg	1.0	U	U	Yes	S4VEM
Bromodichlorom	4.9	ug/kg	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	4.9	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	4.9	ug/kg	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	9.8	ug/kg	1.0	U	U	Yes	S4VEM
Toluene	0.59	ug/kg	1.0	J	JQ	Yes	S4VEM
trans-1,3-Dichloropropene	4.9	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	4.9	ug/kg	1.0	U	U	Yes	S4VEM
Tetrachloroethene	4.9	ug/kg	1.0	U	U	Yes	S4VEM
2-Hexanone	9.8	ug/kg	1.0	U	U	Yes	S4VEM
Dibromochloromethane	4.9	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	4.9	ug/kg	1.0	U	U	Yes	S4VEM
Chlorobenzene	4.9	ug/kg	1.0	U	U	Yes	S4VEM
Ethylbenzene	4.9	ug/kg	1.0	U	U	Yes	S4VEM
o-Xylene	4.9	ug/kg	1.0	U	U	Yes	S4VEM
m,p-Xylene	4.9	ug/kg	1.0	U	U	Yes	S4VEM
Styrene	4.9	ug/kg	1.0	U	U	Yes	S4VEM
Bromoform	4.9	ug/kg	1.0	U	U	Yes	S4VEM
Isopropylbenzene	4.9	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	4.9	ug/kg	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	4.9	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	4.9	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	4.9	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	4.9	ug/kg	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	4.9	ug/kg	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	4.9	ug/kg	1.0	U	U	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRYY6	Lab Code: LIBRTY
Sample Number: JRYZ6	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: 12284640	pH:	Sample Date: 07122012	Sample Time: 11:58:00
% Moisture : 3.32		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.4	ug/kg	1.0	U	U	Yes	S4VEM
Chloromethane	5.4	ug/kg	1.0	U	U	Yes	S4VEM
Vinyl chloride	5.4	ug/kg	1.0	U	U	Yes	S4VEM
Bromomethane	5.4	ug/kg	1.0	U	U	Yes	S4VEM
Chloroethane	5.4	ug/kg	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	5.4	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	5.4	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.4	ug/kg	1.0	U	U	Yes	S4VEM
Acetone	16	ug/kg	1.0		U	Yes	S4VEM
Carbon Disulfide	5.4	ug/kg	1.0	U	U	Yes	S4VEM
Methyl acetate	5.4	ug/kg	1.0	U	U	Yes	S4VEM
Methylene chloride	5.4	ug/kg	1.0	JB	U	Yes	S4VEM
trans-1,2-Dichloroethene	5.4	ug/kg	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	5.4	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	5.4	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	5.4	ug/kg	1.0	U	U	Yes	S4VEM
2-Butanone	11	ug/kg	1.0	U	U	Yes	S4VEM
Bromochloromet hane	5.4	ug/kg	1.0	U	U	Yes	S4VEM
Chloroform	5.4	ug/kg	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	5.4	ug/kg	1.0	U	U	Yes	S4VEM
Cyclohexane	5.4	ug/kg	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	5.4	ug/kg	1.0	U	U	Yes	S4VEM
Benzene	5.4	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	5.4	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dioxane	110	ug/kg	1.0	U	R	No	S4VEM
Trichloroethene	5.4	ug/kg	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	5.4	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	5.4	ug/kg	1.0	U	U	Yes	S4VEM
Bromodichlorom	5.4	ug/kg	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5.4	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	5.4	ug/kg	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	11	ug/kg	1.0	U	U	Yes	S4VEM
Toluene	0.72	ug/kg	1.0	J	JQ	Yes	S4VEM
trans-1,3-Dichloropropene	5.4	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	5.4	ug/kg	1.0	U	U	Yes	S4VEM
Tetrachloroethene	5.4	ug/kg	1.0	U	U	Yes	S4VEM
2-Hexanone	11	ug/kg	1.0	U	U	Yes	S4VEM
Dibromochloromethane	5.4	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	5.4	ug/kg	1.0	U	U	Yes	S4VEM
Chlorobenzene	5.4	ug/kg	1.0	U	U	Yes	S4VEM
Ethylbenzene	5.4	ug/kg	1.0	U	U	Yes	S4VEM
o-Xylene	5.4	ug/kg	1.0	U	U	Yes	S4VEM
m,p-Xylene	5.4	ug/kg	1.0	U	U	Yes	S4VEM
Styrene	5.4	ug/kg	1.0	U	U	Yes	S4VEM
Bromoform	5.4	ug/kg	1.0	U	U	Yes	S4VEM
Isopropylbenzene	5.4	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	5.4	ug/kg	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	5.4	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	5.4	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	5.4	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.4	ug/kg	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	5.4	ug/kg	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	5.4	ug/kg	1.0	U	U	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRYY6	Lab Code: LIBRTY
Sample Number: JRYZ7	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: 12284641	pH:	Sample Date: 07122012	Sample Time: 12:03:00
% Moisture : 2.72		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.1	ug/kg	1.0	U	U	Yes	S4VEM
Chloromethane	5.1	ug/kg	1.0	U	U	Yes	S4VEM
Vinyl chloride	5.1	ug/kg	1.0	U	U	Yes	S4VEM
Bromomethane	5.1	ug/kg	1.0	U	U	Yes	S4VEM
Chloroethane	5.1	ug/kg	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	5.1	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	5.1	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.1	ug/kg	1.0	U	U	Yes	S4VEM
Acetone	12	ug/kg	1.0		U	Yes	S4VEM
Carbon Disulfide	5.1	ug/kg	1.0	U	U	Yes	S4VEM
Methyl acetate	5.1	ug/kg	1.0	U	U	Yes	S4VEM
Methylene chloride	5.1	ug/kg	1.0	JB	U	Yes	S4VEM
trans-1,2-Dichloroethene	5.1	ug/kg	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	5.1	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	5.1	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	5.1	ug/kg	1.0	U	U	Yes	S4VEM
2-Butanone	10	ug/kg	1.0	U	U	Yes	S4VEM
Bromochloromet hane	5.1	ug/kg	1.0	U	U	Yes	S4VEM
Chloroform	5.1	ug/kg	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	5.1	ug/kg	1.0	U	U	Yes	S4VEM
Cyclohexane	5.1	ug/kg	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	5.1	ug/kg	1.0	U	U	Yes	S4VEM
Benzene	5.1	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	5.1	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dioxane	100	ug/kg	1.0	U	R	No	S4VEM
Trichloroethene	5.1	ug/kg	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	5.1	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	5.1	ug/kg	1.0	U	U	Yes	S4VEM
Bromodichlorom	5.1	ug/kg	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5.1	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	5.1	ug/kg	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	10	ug/kg	1.0	U	U	Yes	S4VEM
Toluene	0.74	ug/kg	1.0	J	JQ	Yes	S4VEM
trans-1,3-Dichloropropene	5.1	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	5.1	ug/kg	1.0	U	U	Yes	S4VEM
Tetrachloroethene	5.1	ug/kg	1.0	U	U	Yes	S4VEM
2-Hexanone	10	ug/kg	1.0	U	U	Yes	S4VEM
Dibromochloromethane	5.1	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	5.1	ug/kg	1.0	U	U	Yes	S4VEM
Chlorobenzene	5.1	ug/kg	1.0	U	U	Yes	S4VEM
Ethylbenzene	5.1	ug/kg	1.0	U	U	Yes	S4VEM
o-Xylene	5.1	ug/kg	1.0	U	U	Yes	S4VEM
m,p-Xylene	5.1	ug/kg	1.0	U	U	Yes	S4VEM
Styrene	5.1	ug/kg	1.0	U	U	Yes	S4VEM
Bromoform	5.1	ug/kg	1.0	U	U	Yes	S4VEM
Isopropylbenzene	5.1	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	5.1	ug/kg	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	5.1	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	5.1	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	5.1	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.1	ug/kg	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	5.1	ug/kg	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	5.1	ug/kg	1.0	U	U	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRYY6	Lab Code: LIBRTY
Sample Number: JRYZ8	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: 12284642	pH:	Sample Date: 07122012	Sample Time: 12:10:00
% Moisture : 2.13		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	7.1	ug/kg	1.0	U	U	Yes	S4VEM
Chloromethane	7.1	ug/kg	1.0	U	U	Yes	S4VEM
Vinyl chloride	7.1	ug/kg	1.0	U	U	Yes	S4VEM
Bromomethane	7.1	ug/kg	1.0	U	U	Yes	S4VEM
Chloroethane	7.1	ug/kg	1.0	U	U	Yes	S4VEM
Trichlorofluoromethane	7.1	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1-Dichloroethene	7.1	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	7.1	ug/kg	1.0	U	UJK	Yes	S4VEM
Acetone	14	ug/kg	1.0		U	Yes	S4VEM
Carbon Disulfide	7.1	ug/kg	1.0	U	U	Yes	S4VEM
Methyl acetate	7.1	ug/kg	1.0	U	UJK	Yes	S4VEM
Methylene chloride	7.1	ug/kg	1.0	JB	U	Yes	S4VEM
trans-1,2-Dichloroethene	7.1	ug/kg	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	7.1	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1-Dichloroethane	7.1	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	7.1	ug/kg	1.0	U	U	Yes	S4VEM
2-Butanone	14	ug/kg	1.0	U	U	Yes	S4VEM
Bromochloromethane	7.1	ug/kg	1.0	U	U	Yes	S4VEM
Chloroform	7.1	ug/kg	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	7.1	ug/kg	1.0	U	UJK	Yes	S4VEM
Cyclohexane	7.1	ug/kg	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	7.1	ug/kg	1.0	U	UJK	Yes	S4VEM
Benzene	7.1	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	7.1	ug/kg	1.0	U	UJK	Yes	S4VEM
1,4-Dioxane	140	ug/kg	1.0	U	R	No	S4VEM
Trichloroethene	7.1	ug/kg	1.0	U	UJK	Yes	S4VEM
Methylcyclohexane	7.1	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	7.1	ug/kg	1.0	U	U	Yes	S4VEM
Bromodichlorom	7.1	ug/kg	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	7.1	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	7.1	ug/kg	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	14	ug/kg	1.0	U	U	Yes	S4VEM
Toluene	5.3	ug/kg	1.0	J	JQ	Yes	S4VEM
trans-1,3-Dichloropropene	7.1	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	7.1	ug/kg	1.0	U	U	Yes	S4VEM
Tetrachloroethene	7.1	ug/kg	1.0	U	UJK	Yes	S4VEM
2-Hexanone	14	ug/kg	1.0	U	U	Yes	S4VEM
Dibromochloromethane	7.1	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	7.1	ug/kg	1.0	U	UJK	Yes	S4VEM
Chlorobenzene	7.1	ug/kg	1.0	U	U	Yes	S4VEM
Ethylbenzene	7.1	ug/kg	1.0	U	UJK	Yes	S4VEM
o-Xylene	7.1	ug/kg	1.0	U	UJK	Yes	S4VEM
m,p-Xylene	7.1	ug/kg	1.0	U	UJK	Yes	S4VEM
Styrene	7.1	ug/kg	1.0	U	UJK	Yes	S4VEM
Bromoform	7.1	ug/kg	1.0	U	U	Yes	S4VEM
Isopropylbenzene	7.1	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1,2,2-Tetrachloroethane	7.1	ug/kg	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	7.1	ug/kg	1.0	U	UJ	Yes	S4VEM
1,4-Dichlorobenzene	7.1	ug/kg	1.0	U	UJ	Yes	S4VEM
1,2-Dichlorobenzene	7.1	ug/kg	1.0	U	UJ	Yes	S4VEM
1,2-Dibromo-3-chloropropane	7.1	ug/kg	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	7.1	ug/kg	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	7.1	ug/kg	1.0	U	U	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRYY6	Lab Code: LIBRTY
Sample Number: JRYZ9	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: 12284643	pH:	Sample Date: 07122012	Sample Time: 12:17:00
% Moisture : 3.27		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Chloromethane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Vinyl chloride	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Bromomethane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Chloroethane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Acetone	14	ug/kg	1.0		U	Yes	S4VEM
Carbon Disulfide	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Methyl acetate	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Methylene chloride	4.8	ug/kg	1.0	JB	U	Yes	S4VEM
trans-1,2-Dichloroethene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	4.8	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
2-Butanone	9.6	ug/kg	1.0	U	U	Yes	S4VEM
Bromochloromet hane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Chloroform	4.8	ug/kg	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Cyclohexane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Benzene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dioxane	96	ug/kg	1.0	U	R	No	S4VEM
Trichloroethene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	4.8	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Bromodichlorom	4.8	ug/kg	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	9.6	ug/kg	1.0	U	U	Yes	S4VEM
Toluene	0.80	ug/kg	1.0	J	JQ	Yes	S4VEM
trans-1,3-Dichloropropene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Tetrachloroethene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
2-Hexanone	9.6	ug/kg	1.0	U	U	Yes	S4VEM
Dibromochloromethane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Chlorobenzene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Ethylbenzene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
o-Xylene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
m,p-Xylene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Styrene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Bromoform	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Isopropylbenzene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	4.8	ug/kg	1.0	U	U	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRYY6	Lab Code: LIBRTY
Sample Number: JRZ00	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: 12284797	pH:	Sample Date: 07142012	Sample Time: 11:51:00
% Moisture : 9.87		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Chloromethane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Vinyl chloride	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Bromomethane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Chloroethane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Acetone	22	ug/kg	1.0			Yes	S4VEM
Carbon Disulfide	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Methyl acetate	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Methylene chloride	4.7	ug/kg	1.0	JB	U	Yes	S4VEM
trans-1,2-Dichloroethene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	4.7	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
2-Butanone	9.5	ug/kg	1.0	U	U	Yes	S4VEM
Bromochloromet hane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Chloroform	4.7	ug/kg	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Cyclohexane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Benzene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dioxane	95	ug/kg	1.0	U	R	No	S4VEM
Trichloroethene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	4.7	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Bromodichlorom	4.7	ug/kg	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	9.5	ug/kg	1.0	U	U	Yes	S4VEM
Toluene	0.64	ug/kg	1.0	J	JQ	Yes	S4VEM
trans-1,3-Dichloropropene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Tetrachloroethene	3.9	ug/kg	1.0	J	JQ	Yes	S4VEM
2-Hexanone	9.5	ug/kg	1.0	U	U	Yes	S4VEM
Dibromochloromethane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Chlorobenzene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Ethylbenzene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
o-Xylene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
m,p-Xylene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Styrene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Bromoform	4.7	ug/kg	1.0	U	U	Yes	S4VEM
Isopropylbenzene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	4.7	ug/kg	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	4.7	ug/kg	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	4.7	ug/kg	1.0	U	U	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRYY6	Lab Code: LIBRTY
Sample Number: JRZ01	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: 12284798	pH:	Sample Date: 07142012	Sample Time: 12:08:00
% Moisture : 20.35		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.1	ug/kg	1.0	U	R	No	S4VEM
Chloromethane	5.1	ug/kg	1.0	U	R	No	S4VEM
Vinyl chloride	5.1	ug/kg	1.0	U	R	No	S4VEM
Bromomethane	5.1	ug/kg	1.0	U	R	No	S4VEM
Chloroethane	5.1	ug/kg	1.0	U	R	No	S4VEM
Trichlorofluorom ethane	5.1	ug/kg	1.0	U	R	No	S4VEM
1,1-Dichloroethene	5.1	ug/kg	1.0	U	R	No	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.1	ug/kg	1.0	U	R	No	S4VEM
Acetone	28	ug/kg	1.0		R	No	S4VEM
Carbon Disulfide	5.1	ug/kg	1.0	U	R	No	S4VEM
Methyl acetate	5.1	ug/kg	1.0	U	R	No	S4VEM
Methylene chloride	5.1	ug/kg	1.0	U	R	No	S4VEM
trans-1,2-Dichloroethene	5.1	ug/kg	1.0	U	R	No	S4VEM
Methyl tert-butyl ether	5.1	ug/kg	1.0	U	R	No	S4VEM
1,1-Dichloroethane	5.1	ug/kg	1.0	U	R	No	S4VEM
cis-1,2-Dichloroethene	5.1	ug/kg	1.0	U	R	No	S4VEM
2-Butanone	10	ug/kg	1.0	U	R	No	S4VEM
Bromochloromet hane	5.1	ug/kg	1.0	U	R	No	S4VEM
Chloroform	5.1	ug/kg	1.0	U	R	No	S4VEM
1,1,1-Trichloroethane	5.1	ug/kg	1.0	U	R	No	S4VEM
Cyclohexane	5.1	ug/kg	1.0	U	R	No	S4VEM
Carbon tetrachloride	5.1	ug/kg	1.0	U	R	No	S4VEM
Benzene	5.1	ug/kg	1.0	U	R	No	S4VEM
1,2-Dichloroethane	5.1	ug/kg	1.0	U	R	No	S4VEM
1,4-Dioxane	100	ug/kg	1.0	U	R	No	S4VEM
Trichloroethene	5.1	ug/kg	1.0	U	R	No	S4VEM
Methylcyclohexa ne	5.1	ug/kg	1.0	U	R	No	S4VEM
1,2-Dichloropropane	5.1	ug/kg	1.0	U	R	No	S4VEM
Bromodichlorom	5.1	ug/kg	1.0	U	R	No	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5.1	ug/kg	1.0	U	R	No	S4VEM
cis-1,3-Dichloropropene	5.1	ug/kg	1.0	U	R	No	S4VEM
4-Methyl-2-pentanone	10	ug/kg	1.0	U	R	No	S4VEM
Toluene	1.5	ug/kg	1.0	J	R	No	S4VEM
trans-1,3-Dichloropropene	5.1	ug/kg	1.0	U	R	No	S4VEM
1,1,2-Trichloroethane	5.1	ug/kg	1.0	U	R	No	S4VEM
Tetrachloroethene	4.9	ug/kg	1.0	J	R	No	S4VEM
2-Hexanone	10	ug/kg	1.0	U	R	No	S4VEM
Dibromochloromethane	5.1	ug/kg	1.0	U	R	No	S4VEM
1,2-Dibromoethane	5.1	ug/kg	1.0	U	R	No	S4VEM
Chlorobenzene	5.1	ug/kg	1.0	U	R	No	S4VEM
Ethylbenzene	5.1	ug/kg	1.0	U	R	No	S4VEM
o-Xylene	5.1	ug/kg	1.0	U	R	No	S4VEM
m,p-Xylene	5.1	ug/kg	1.0	U	R	No	S4VEM
Styrene	5.1	ug/kg	1.0	U	R	No	S4VEM
Bromoform	5.1	ug/kg	1.0	U	R	No	S4VEM
Isopropylbenzene	5.1	ug/kg	1.0	U	R	No	S4VEM
1,1,2,2-Tetrachloroethane	5.1	ug/kg	1.0	U	R	No	S4VEM
1,3-Dichlorobenzene	5.1	ug/kg	1.0	U	R	No	S4VEM
1,4-Dichlorobenzene	5.1	ug/kg	1.0	U	R	No	S4VEM
1,2-Dichlorobenzene	5.1	ug/kg	1.0	U	R	No	S4VEM
1,2-Dibromo-3-chloropropane	5.1	ug/kg	1.0	U	R	No	S4VEM
1,2,4-Trichlorobenzene	5.1	ug/kg	1.0	U	R	No	S4VEM
1,2,3-Trichlorobenzene	5.1	ug/kg	1.0	U	R	No	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRYY6	Lab Code: LIBRTY
Sample Number: JRZ01RE	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location:	pH:	Sample Date: 07142012	Sample Time: 12:08:00
% Moisture : 20.35		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
Chloromethane	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
Vinyl chloride	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
Bromomethane	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
Chloroethane	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
Trichlorofluorom ethane	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1-Dichloroethene	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.8	ug/kg	1.0	U.	UJK	Yes	S4VEM
Acetone	92	ug/kg	1.0	B	U	Yes	S4VEM
Carbon Disulfide	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
Methyl acetate	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
Methylene chloride	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
trans-1,2-Dichloroethene	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
Methyl tert-butyl ether	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1-Dichloroethane	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
cis-1,2-Dichloroethene	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
2-Butanone	12	ug/kg	1.0	U	UJK	Yes	S4VEM
Bromochloromet hane	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
Chloroform	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1,1-Trichloroethane	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
Cyclohexane	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
Carbon tetrachloride	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
Benzene	0.68	ug/kg	1.0	J	JQ	Yes	S4VEM
1,2-Dichloroethane	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
1,4-Dioxane	120	ug/kg	1.0	U	R	No	S4VEM
Trichloroethene	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
Methylcyclohexa ne	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2-Dichloropropane	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
Bromodichlorom	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
cis-1,3-Dichloropropene	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
4-Methyl-2-pentanone	12	ug/kg	1.0	U	UJK	Yes	S4VEM
Toluene	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
trans-1,3-Dichloropropene	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1,2-Trichloroethane	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
Tetrachloroethene	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
2-Hexanone	12	ug/kg	1.0	U	UJK	Yes	S4VEM
Dibromochloromethane	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2-Dibromoethane	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
Chlorobenzene	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
Ethylbenzene	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
o-Xylene	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
m,p-Xylene	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
Styrene	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
Bromoform	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
Isopropylbenzene	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1,2,2-Tetrachloroethane	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
1,3-Dichlorobenzene	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
1,4-Dichlorobenzene	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2-Dichlorobenzene	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2,4-Trichlorobenzene	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2,3-Trichlorobenzene	5.8	ug/kg	1.0	U	UJK	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRYY6	Lab Code: LIBRTY
Sample Number: JRZ02	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: 12294640	pH:	Sample Date: 07162012	Sample Time: 12:15:00
% Moisture : 3.48		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	7.7	ug/kg	1.0	U	U	Yes	S4VEM
Chloromethane	7.7	ug/kg	1.0	U	U	Yes	S4VEM
Vinyl chloride	7.7	ug/kg	1.0	U	U	Yes	S4VEM
Bromomethane	7.7	ug/kg	1.0	U	U	Yes	S4VEM
Chloroethane	7.7	ug/kg	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	7.7	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	7.7	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	7.7	ug/kg	1.0	U	U	Yes	S4VEM
Acetone	24	ug/kg	1.0		U	Yes	S4VEM
Carbon Disulfide	7.7	ug/kg	1.0	U	U	Yes	S4VEM
Methyl acetate	7.7	ug/kg	1.0	U	U	Yes	S4VEM
Methylene chloride	7.7	ug/kg	1.0	JB	U	Yes	S4VEM
trans-1,2-Dichloroethene	7.7	ug/kg	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	7.7	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	7.7	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	7.7	ug/kg	1.0	U	U	Yes	S4VEM
2-Butanone	15	ug/kg	1.0	U	U	Yes	S4VEM
Bromochloromet hane	7.7	ug/kg	1.0	U	U	Yes	S4VEM
Chloroform	7.7	ug/kg	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	7.7	ug/kg	1.0	U	U	Yes	S4VEM
Cyclohexane	7.7	ug/kg	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	7.7	ug/kg	1.0	U	U	Yes	S4VEM
Benzene	7.7	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	7.7	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dioxane	150	ug/kg	1.0	U	R	No	S4VEM
Trichloroethene	7.7	ug/kg	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	7.7	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	7.7	ug/kg	1.0	U	U	Yes	S4VEM
Bromodichlorom	7.7	ug/kg	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	7.7	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	7.7	ug/kg	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	15	ug/kg	1.0	U	U	Yes	S4VEM
Toluene	1.6	ug/kg	1.0	J	JQ	Yes	S4VEM
trans-1,3-Dichloropropene	7.7	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	7.7	ug/kg	1.0	U	U	Yes	S4VEM
Tetrachloroethene	7.7	ug/kg	1.0	U	U	Yes	S4VEM
2-Hexanone	15	ug/kg	1.0	U	U	Yes	S4VEM
Dibromochloromethane	7.7	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	7.7	ug/kg	1.0	U	U	Yes	S4VEM
Chlorobenzene	7.7	ug/kg	1.0	U	U	Yes	S4VEM
Ethylbenzene	7.7	ug/kg	1.0	U	U	Yes	S4VEM
o-Xylene	7.7	ug/kg	1.0	U	U	Yes	S4VEM
m,p-Xylene	7.7	ug/kg	1.0	U	U	Yes	S4VEM
Styrene	7.7	ug/kg	1.0	U	U	Yes	S4VEM
Bromoform	7.7	ug/kg	1.0	U	U	Yes	S4VEM
Isopropylbenzene	7.7	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	7.7	ug/kg	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	7.7	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	7.7	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	7.7	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	7.7	ug/kg	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	7.7	ug/kg	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	7.7	ug/kg	1.0	U	U	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRYY6	Lab Code: LIBRTY
Sample Number: JRZ02MS	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location:	pH:	Sample Date: 07162012	Sample Time: 12:15:00
% Moisture : 3.48		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1-Dichloroethene	42	ug/kg	1.0		R	Yes	S4VEM
Dichlorodifluoromethane	4.6	ug/kg	1.0	U	R	Yes	S4VEM
Chloromethane	4.6	ug/kg	1.0	U	R	Yes	S4VEM
Benzene	42	ug/kg	1.0		R	Yes	S4VEM
Trichloroethene	39	ug/kg	1.0		R	Yes	S4VEM
Vinyl chloride	4.6	ug/kg	1.0	U	R	Yes	S4VEM
Bromomethane	4.6	ug/kg	1.0	U	R	Yes	S4VEM
Toluene	43	ug/kg	1.0		R	Yes	S4VEM
Chloroethane	4.6	ug/kg	1.0	U	R	Yes	S4VEM
Chlorobenzene	37	ug/kg	1.0		R	Yes	S4VEM
Trichlorofluoromethane	4.6	ug/kg	1.0	U	R	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	4.6	ug/kg	1.0	U	R	Yes	S4VEM
Acetone	9.2	ug/kg	1.0		R	Yes	S4VEM
Carbon Disulfide	4.6	ug/kg	1.0	U	R	Yes	S4VEM
Methyl acetate	4.6	ug/kg	1.0	U	R	Yes	S4VEM
Methylene chloride	4.6	ug/kg	1.0	JB	R	Yes	S4VEM
trans-1,2-Dichloroethene	4.6	ug/kg	1.0	U	R	Yes	S4VEM
Methyl tert-butyl ether	4.6	ug/kg	1.0	U	R	Yes	S4VEM
1,1-Dichloroethane	4.6	ug/kg	1.0	U	R	Yes	S4VEM
cis-1,2-Dichloroethene	4.6	ug/kg	1.0	U	R	Yes	S4VEM
2-Butanone	9.2	ug/kg	1.0	U	R	Yes	S4VEM
Bromochloromethane	4.6	ug/kg	1.0	U	R	Yes	S4VEM
Chloroform	4.6	ug/kg	1.0	U	R	Yes	S4VEM
1,1,1-Trichloroethane	4.6	ug/kg	1.0	U	R	Yes	S4VEM
Cyclohexane	4.6	ug/kg	1.0	U	R	Yes	S4VEM
Carbon tetrachloride	4.6	ug/kg	1.0	U	R	Yes	S4VEM
1,2-Dichloroethane	4.6	ug/kg	1.0	U	R	Yes	S4VEM
1,4-Dioxane	92	ug/kg	1.0	U	R	Yes	S4VEM
Methylcyclohexane	4.6	ug/kg	1.0	U	R	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,2-Dichloropropane	4.6	ug/kg	1.0	U	R	Yes	S4VEM
Bromodichloromethane	4.6	ug/kg	1.0	U	R	Yes	S4VEM
cis-1,3-Dichloropropene	4.6	ug/kg	1.0	U	R	Yes	S4VEM
4-Methyl-2-pentanone	9.2	ug/kg	1.0	U	R	Yes	S4VEM
trans-1,3-Dichloropropene	4.6	ug/kg	1.0	U	R	Yes	S4VEM
1,1,2-Trichloroethane	4.6	ug/kg	1.0	U	R	Yes	S4VEM
Tetrachloroethene	4.6	ug/kg	1.0	U	R	Yes	S4VEM
2-Hexanone	9.2	ug/kg	1.0	U	R	Yes	S4VEM
Dibromochloromethane	4.6	ug/kg	1.0	U	R	Yes	S4VEM
1,2-Dibromoethane	4.6	ug/kg	1.0	U	R	Yes	S4VEM
Ethylbenzene	4.6	ug/kg	1.0	U	R	Yes	S4VEM
o-Xylene	4.6	ug/kg	1.0	U	R	Yes	S4VEM
m,p-Xylene	4.6	ug/kg	1.0	U	R	Yes	S4VEM
Styrene	4.6	ug/kg	1.0	U	R	Yes	S4VEM
Bromoform	4.6	ug/kg	1.0	U	R	Yes	S4VEM
Isopropylbenzene	4.6	ug/kg	1.0	U	R	Yes	S4VEM
1,1,2,2-Tetrachloroethane	4.6	ug/kg	1.0	U	R	Yes	S4VEM
1,3-Dichlorobenzene	4.6	ug/kg	1.0	U	R	Yes	S4VEM
1,4-Dichlorobenzene	4.6	ug/kg	1.0	U	R	Yes	S4VEM
1,2-Dichlorobenzene	4.6	ug/kg	1.0	U	R	Yes	S4VEM
1,2-Dibromo-3-chloropropane	4.6	ug/kg	1.0	U	R	Yes	S4VEM
1,2,4-Trichlorobenzene	4.6	ug/kg	1.0	U	R	Yes	S4VEM
1,2,3-Trichlorobenzene	4.6	ug/kg	1.0	U	R	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRYY6	Lab Code: LIBRTY
Sample Number: JRZ02MSD	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location:	pH:	Sample Date: 07162012	Sample Time: 12:15:00
% Moisture : 3.48		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1-Dichloroethene	53	ug/kg	1.0		R	Yes	S4VEM
Dichlorodifluoromethane	4.9	ug/kg	1.0	U	R	Yes	S4VEM
Chloromethane	4.9	ug/kg	1.0	U	R	Yes	S4VEM
Benzene	52	ug/kg	1.0		R	Yes	S4VEM
Vinyl chloride	4.9	ug/kg	1.0	U	R	Yes	S4VEM
Trichloroethene	47	ug/kg	1.0		R	Yes	S4VEM
Toluene	52	ug/kg	1.0		R	Yes	S4VEM
Bromomethane	4.9	ug/kg	1.0	U	R	Yes	S4VEM
Chloroethane	4.9	ug/kg	1.0	U	R	Yes	S4VEM
Chlorobenzene	43	ug/kg	1.0		R	Yes	S4VEM
Trichlorofluoromethane	4.9	ug/kg	1.0	U	R	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	4.9	ug/kg	1.0	U	R	Yes	S4VEM
Acetone	9.7	ug/kg	1.0		R	Yes	S4VEM
Carbon Disulfide	4.9	ug/kg	1.0	U	R	Yes	S4VEM
Methyl acetate	4.9	ug/kg	1.0	U	R	Yes	S4VEM
Methylene chloride	4.9	ug/kg	1.0	JB	R	Yes	S4VEM
trans-1,2-Dichloroethene	4.9	ug/kg	1.0	U	R	Yes	S4VEM
Methyl tert-butyl ether	4.9	ug/kg	1.0	U	R	Yes	S4VEM
1,1-Dichloroethane	4.9	ug/kg	1.0	U	R	Yes	S4VEM
cis-1,2-Dichloroethene	4.9	ug/kg	1.0	U	R	Yes	S4VEM
2-Butanone	9.7	ug/kg	1.0	U	R	Yes	S4VEM
Bromochloromethane	4.9	ug/kg	1.0	U	R	Yes	S4VEM
Chloroform	4.9	ug/kg	1.0	U	R	Yes	S4VEM
1,1,1-Trichloroethane	4.9	ug/kg	1.0	U	R	Yes	S4VEM
Cyclohexane	4.9	ug/kg	1.0	U	R	Yes	S4VEM
Carbon tetrachloride	4.9	ug/kg	1.0	U	R	Yes	S4VEM
1,2-Dichloroethane	4.9	ug/kg	1.0	U	R	Yes	S4VEM
1,4-Dioxane	97	ug/kg	1.0	U	R	Yes	S4VEM
Methylcyclohexane	4.9	ug/kg	1.0	U	R	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,2-Dichloropropane	4.9	ug/kg	1.0	U	R	Yes	S4VEM
Bromodichloromethane	4.9	ug/kg	1.0	U	R	Yes	S4VEM
cis-1,3-Dichloropropene	4.9	ug/kg	1.0	U	R	Yes	S4VEM
4-Methyl-2-pentanone	9.7	ug/kg	1.0	U	R	Yes	S4VEM
trans-1,3-Dichloropropene	4.9	ug/kg	1.0	U	R	Yes	S4VEM
1,1,2-Trichloroethane	4.9	ug/kg	1.0	U	R	Yes	S4VEM
Tetrachloroethene	4.9	ug/kg	1.0	U	R	Yes	S4VEM
2-Hexanone	9.7	ug/kg	1.0	U	R	Yes	S4VEM
Dibromochloromethane	4.9	ug/kg	1.0	U	R	Yes	S4VEM
1,2-Dibromoethane	4.9	ug/kg	1.0	U	R	Yes	S4VEM
Ethylbenzene	4.9	ug/kg	1.0	U	R	Yes	S4VEM
o-Xylene	4.9	ug/kg	1.0	U	R	Yes	S4VEM
m,p-Xylene	4.9	ug/kg	1.0	U	R	Yes	S4VEM
Styrene	4.9	ug/kg	1.0	U	R	Yes	S4VEM
Bromoform	4.9	ug/kg	1.0	U	R	Yes	S4VEM
Isopropylbenzene	4.9	ug/kg	1.0	U	R	Yes	S4VEM
1,1,2,2-Tetrachloroethane	4.9	ug/kg	1.0	U	R	Yes	S4VEM
1,3-Dichlorobenzene	4.9	ug/kg	1.0	U	R	Yes	S4VEM
1,4-Dichlorobenzene	4.9	ug/kg	1.0	U	R	Yes	S4VEM
1,2-Dichlorobenzene	4.9	ug/kg	1.0	U	R	Yes	S4VEM
1,2-Dibromo-3-chloropropane	4.9	ug/kg	1.0	U	R	Yes	S4VEM
1,2,4-Trichlorobenzene	4.9	ug/kg	1.0	U	R	Yes	S4VEM
1,2,3-Trichlorobenzene	4.9	ug/kg	1.0	U	R	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRYY6	Lab Code: LIBRTY
Sample Number: JRZ03	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: 12294641	pH:	Sample Date: 07162012	Sample Time: 12:21:00
% Moisture : 3.14		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
Chloromethane	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
Vinyl chloride	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
Bromomethane	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
Chloroethane	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
Trichlorofluorom ethane	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1-Dichloroethene	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
Acetone	14	ug/kg	1.0		JH	Yes	S4VEM
Carbon Disulfide	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
Methyl acetate	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
Methylene chloride	5.7	ug/kg	1.0	JB	U	Yes	S4VEM
trans-1,2-Dichloroethene	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
Methyl tert-butyl ether	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1-Dichloroethane	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
cis-1,2-Dichloroethene	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
2-Butanone	11	ug/kg	1.0	U	UJK	Yes	S4VEM
Bromochloromet hane	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
Chloroform	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1,1-Trichloroethane	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
Cyclohexane	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
Carbon tetrachloride	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
Benzene	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2-Dichloroethane	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
1,4-Dioxane	110	ug/kg	1.0	U	R	No	S4VEM
Trichloroethene	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
Methylcyclohexa ne	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2-Dichloropropane	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
Bromodichlorom	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
cis-1,3-Dichloropropene	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
4-Methyl-2-pentanone	11	ug/kg	1.0	U	UJK	Yes	S4VEM
Toluene	1.2	ug/kg	1.0	J	JQ	Yes	S4VEM
trans-1,3-Dichloropropene	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1,2-Trichloroethane	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
Tetrachloroethene	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
2-Hexanone	11	ug/kg	1.0	U	UJK	Yes	S4VEM
Dibromochloromethane	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2-Dibromoethane	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
Chlorobenzene	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
Ethylbenzene	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
o-Xylene	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
m,p-Xylene	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
Styrene	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
Bromoform	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
Isopropylbenzene	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1,2,2-Tetrachloroethane	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
1,3-Dichlorobenzene	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
1,4-Dichlorobenzene	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2-Dichlorobenzene	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2,4-Trichlorobenzene	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2,3-Trichlorobenzene	5.7	ug/kg	1.0	U	UJK	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRYY6	Lab Code: LIBRTY
Sample Number: JRZ05	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: 12294643	pH:	Sample Date: 07162012	Sample Time: 12:37:00
% Moisture : 4.20		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
Chloromethane	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
Vinyl chloride	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
Bromomethane	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
Chloroethane	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
Trichlorofluorom ethane	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1-Dichloroethene	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
Acetone	15	ug/kg	1.0		JH	Yes	S4VEM
Carbon Disulfide	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
Methyl acetate	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
Methylene chloride	4.4	ug/kg	1.0	JB	UJK	Yes	S4VEM
trans-1,2-Dichloroethene	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
Methyl tert-butyl ether	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1-Dichloroethane	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
cis-1,2-Dichloroethene	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
2-Butanone	87	ug/kg	1.0	U	R	No	S4VEM
Bromochloromet hane	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
Chloroform	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1,1-Trichloroethane	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
Cyclohexane	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
Carbon tetrachloride	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
Benzene	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2-Dichloroethane	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
1,4-Dioxane	87	ug/kg	1.0	U	UJK	Yes	S4VEM
Trichloroethene	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
Methylcyclohexa ne	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2-Dichloropropane	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
Bromodichlorom	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
cis-1,3-Dichloropropene	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
4-Methyl-2-pentanone	8.7	ug/kg	1.0	U	UJK	Yes	S4VEM
Toluene	1.1	ug/kg	1.0	J	JQ	Yes	S4VEM
trans-1,3-Dichloropropene	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1,2-Trichloroethane	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
Tetrachloroethene	0.89	ug/kg	1.0	J	JQ	Yes	S4VEM
2-Hexanone	8.7	ug/kg	1.0	U	UJK	Yes	S4VEM
Dibromochloromethane	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2-Dibromoethane	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
Chlorobenzene	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
Ethylbenzene	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
o-Xylene	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
m,p-Xylene	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
Styrene	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
Bromoform	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
Isopropylbenzene	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1,2,2-Tetrachloroethane	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
1,3-Dichlorobenzene	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
1,4-Dichlorobenzene	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2-Dichlorobenzene	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2-Dibromo-3-chloropropane	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2,4-Trichlorobenzene	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2,3-Trichlorobenzene	4.4	ug/kg	1.0	U	UJK	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRYY6	Lab Code: LIBRTY
Sample Number: JRZ07	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location: 12294645	pH:	Sample Date: 07162012	Sample Time: 12:52:00
% Moisture : 4.08		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.8	ug/kg	1.0	U	R	No	S4VEM
Chloromethane	5.8	ug/kg	1.0	U	R	No	S4VEM
Vinyl chloride	5.8	ug/kg	1.0	U	R	No	S4VEM
Bromomethane	5.8	ug/kg	1.0	U	R	No	S4VEM
Chloroethane	5.8	ug/kg	1.0	U	R	No	S4VEM
Trichlorofluorom ethane	5.8	ug/kg	1.0	U	R	No	S4VEM
1,1-Dichloroethene	5.8	ug/kg	1.0	U	R	No	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.8	ug/kg	1.0	U	R	No	S4VEM
Acetone	12	ug/kg	1.0		R	No	S4VEM
Carbon Disulfide	5.8	ug/kg	1.0	U	R	No	S4VEM
Methyl acetate	5.8	ug/kg	1.0	U	R	No	S4VEM
Methylene chloride	5.8	ug/kg	1.0	JB	R	No	S4VEM
trans-1,2-Dichloroethene	5.8	ug/kg	1.0	U	R	No	S4VEM
Methyl tert-butyl ether	5.8	ug/kg	1.0	U	R	No	S4VEM
1,1-Dichloroethane	5.8	ug/kg	1.0	U	R	No	S4VEM
cis-1,2-Dichloroethene	5.8	ug/kg	1.0	U	R	No	S4VEM
2-Butanone	12	ug/kg	1.0	U	R	No	S4VEM
Bromochloromet hane	5.8	ug/kg	1.0	U	R	No	S4VEM
Chloroform	5.8	ug/kg	1.0	U	R	No	S4VEM
1,1,1-Trichloroethane	5.8	ug/kg	1.0	U	R	No	S4VEM
Cyclohexane	5.8	ug/kg	1.0	U	R	No	S4VEM
Carbon tetrachloride	5.8	ug/kg	1.0	U	R	No	S4VEM
Benzene	5.8	ug/kg	1.0	U	R	No	S4VEM
1,2-Dichloroethane	5.8	ug/kg	1.0	U	R	No	S4VEM
1,4-Dioxane	120	ug/kg	1.0	U	R	No	S4VEM
Trichloroethene	5.8	ug/kg	1.0	U	R	No	S4VEM
Methylcyclohexa ne	5.8	ug/kg	1.0	U	R	No	S4VEM
1,2-Dichloropropane	5.8	ug/kg	1.0	U	R	No	S4VEM
Bromodichlorom	5.8	ug/kg	1.0	U	R	No	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5.8	ug/kg	1.0	U	R	No	S4VEM
cis-1,3-Dichloropropene	5.8	ug/kg	1.0	U	R	No	S4VEM
4-Methyl-2-pentanone	12	ug/kg	1.0	U	R	No	S4VEM
Toluene	2.9	ug/kg	1.0	J	R	No	S4VEM
trans-1,3-Dichloropropene	5.8	ug/kg	1.0	U	R	No	S4VEM
1,1,2-Trichloroethane	5.8	ug/kg	1.0	U	R	No	S4VEM
Tetrachloroethene	140	ug/kg	1.0		R	No	S4VEM
2-Hexanone	12	ug/kg	1.0	U	R	No	S4VEM
Dibromochloromethane	5.8	ug/kg	1.0	U	R	No	S4VEM
1,2-Dibromoethane	5.8	ug/kg	1.0	U	R	No	S4VEM
Chlorobenzene	5.8	ug/kg	1.0	U	R	No	S4VEM
Ethylbenzene	5.8	ug/kg	1.0	U	R	No	S4VEM
o-Xylene	5.8	ug/kg	1.0	U	R	No	S4VEM
m,p-Xylene	5.8	ug/kg	1.0	U	R	No	S4VEM
Styrene	5.8	ug/kg	1.0	U	R	No	S4VEM
Bromoform	5.8	ug/kg	1.0	U	R	No	S4VEM
Isopropylbenzene	5.8	ug/kg	1.0	U	R	No	S4VEM
1,1,2,2-Tetrachloroethane	5.8	ug/kg	1.0	U	R	No	S4VEM
1,3-Dichlorobenzene	5.8	ug/kg	1.0	U	R	No	S4VEM
1,4-Dichlorobenzene	5.8	ug/kg	1.0	U	R	No	S4VEM
1,2-Dichlorobenzene	5.8	ug/kg	1.0	U	R	No	S4VEM
1,2-Dibromo-3-chloropropane	5.8	ug/kg	1.0	U	R	No	S4VEM
1,2,4-Trichlorobenzene	5.8	ug/kg	1.0	U	R	No	S4VEM
1,2,3-Trichlorobenzene	5.8	ug/kg	1.0	U	R	No	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRYY6	Lab Code: LIBRTY
Sample Number: JRZ07RE	Method: VOA_Low_Med	Matrix: Soil	MA Number: DEFAULT
Sample Location:	pH:	Sample Date: 07162012	Sample Time: 12:52:00
% Moisture : 4.08		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	4.8	ug/kg	1.0	U	UJK	Yes	S4VEM
Chloromethane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Vinyl chloride	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Bromomethane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Chloroethane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	4.8	ug/kg	1.0	U	UJK	Yes	S4VEM
1,1-Dichloroethene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Acetone	26	ug/kg	1.0	B	U	Yes	S4VEM
Carbon Disulfide	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Methyl acetate	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Methylene chloride	0.76	ug/kg	1.0	J	JQ	Yes	S4VEM
trans-1,2-Dichloroethene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	4.8	ug/kg	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
2-Butanone	9.6	ug/kg	1.0	U	U	Yes	S4VEM
Bromochloromet hane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Chloroform	4.8	ug/kg	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Cyclohexane	4.8	ug/kg	1.0	JB	U	Yes	S4VEM
Carbon tetrachloride	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Benzene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dioxane	96	ug/kg	1.0	U	R	Yes	S4VEM
Trichloroethene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	4.8	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Bromodichlorom	4.8	ug/kg	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	9.6	ug/kg	1.0	U	U	Yes	S4VEM
Toluene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
trans-1,3-Dichloropropene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Tetrachloroethene	1.3	ug/kg	1.0	J	JQ	Yes	S4VEM
2-Hexanone	9.6	ug/kg	1.0	U	U	Yes	S4VEM
Dibromochloromethane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Chlorobenzene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Ethylbenzene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
o-Xylene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
m,p-Xylene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Styrene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Bromoform	4.8	ug/kg	1.0	U	U	Yes	S4VEM
Isopropylbenzene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	4.8	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2-Dichlorobenzene	4.8	ug/kg	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	4.8	ug/kg	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	4.8	ug/kg	1.0	U	UJK	Yes	S4VEM
1,2,3-Trichlorobenzene	4.8	ug/kg	1.0	U	U	Yes	S4VEM